March 13, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Denial of application for exploration loan in the amount of $10,000.00
Docket No. DMA 2172X - Manganese
Golden Century Industries, Inc.
Blackbird Manganese property
Lander County, Nevada

The denial of the subject application by this Division is based on the following information:

1. This property is 51 miles by road south of Battle Mountain, Nevada. The manganese occurs as surface oxides veining, replacing and staining a strongly folded chert and shale, and was probably originally deposited as a carbonate or hydrous silicate. By weathering and surface oxidation the average grade of the surface material has been raised to from 10 to 15 per cent manganese. It is unusual for the oxides to extend to depths of from 10 to 30 feet.

2. The outcrop covers an elliptical area 250 feet long and 115 feet wide. From this area 22 samples were cut by the Bureau of Mines, with results varying from 4.0 to 32.8 per cent manganese, the average being 12.32 per cent manganese, 4.0 per cent iron, 0.06 per cent phosphorous and 67.0 per cent silica.

3. A metallurgical test showed that 64 per cent of the contained manganese could be recovered in a sinter assaying 41.40 per cent manganese, which is below "metallurgical grade".

4. On a direct selling basis (to Geneva), 12 per cent ore would be worth only $7.20 f.o.b. Battle Mountain. Some ore could probably be hand sorted to a grade sufficiently high to pay mining and handling costs.

5. The drilling of 5 holes to a depth of from 200 to 300 feet each is not compatible with the observed geology of this type of mineralization.

6. The Commodity Divisions note that the possibility of "discovery of larger amounts and higher grades are only fair to poor", and that "in view of the low grade and limited extent" --- the drilling program --- "does not seem warranted".

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

QLBrewer'lm
3/13/52

cc: Admn. Reading File
Docket
✓ G. C. Selfridge
Q. L. Brewer

MAR 17 1952

Golden Century Industries, Inc.
Mr. K. L. Stoker, President
413 Darling Building
Salt Lake City 1, Utah

Re: Docket No. DMA 217XX - Manganese
Black Mud Claim
Lander County, Nevada

Dear Mr. Stoker:

Your application for an exploration loan and other information referring to the above noted property available to us in Washington have been carefully reviewed.

The information indicates that, geologically, there is little probability of making a significant mineral discovery. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Program, and for your activity in this instance.

Sincerely yours,

C. O. Mittenden

Acting Administrator
Defense Minerals Exploration
Administration

Q. L. Brewer:lm
3/13/52

cc: Admn. Reading File
Docket
H. B. Melcher, US BM
M. D. Grittenden, USGS
Field Team Reg. III
G. C. Selfridge
Q. L. Brewer

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2172

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

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
CODE 340

To:	Ferro Alloys	Date	10-18-51
To:	Operating Comm	Date	3-14-52
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

aec

DO NOT DETACH

CONTROLLED DOCUMENT

FILE COPY
SURNAME:

Brewer
Selfridge
Johnson
Thayer
Hutchinson

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

Golden Century Industries, Inc.
Mr. K. L. Steker, President
413 Darling Building
Salt Lake City 1, Utah

Re: Docket No. DMA 2172X - Manganese
Black Bird Claim
Lander County, Nevada

Dear Mr. Steker:

Your application for an exploration loan and other information referring to the above noted property available to us in Washington have been carefully reviewed.

The information indicates that, geologically, there is little probability of making a significant mineral discovery. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Program, and for your activity in this instance.

Sincerely yours,

C. O. Mittenderf (fw) 3/17

Acting Administrator
Defense Minerals Exploration
Administration

Q. L. Brewer'lm
3/13/52

cc: Admn. Reading File
Docket
N. B. Melcher, US BM
M. D. Grittenden, USGS
Field Team Reg. III
G. C. Selfridge
Q. L. Brewer

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

March 13, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Denial of application for exploration loan in the amount of $10,000.00
Docket No. DMA 2172X - Manganese
Golden Century Industries, Inc.
Blackbird Manganese property
Lander County, Nevada

The denial of the subject application by this Division is based on the following information:

1. This property is 51 miles by road south of Battle Mountain, Nevada. The manganese occurs as surface oxides veining, replacing and staining a strongly folded chert and shale, and was probably originally deposited as a carbonate or hydrous silicate. By weathering and surface oxidation the average grade of the surface material has been raised to from 10 to 15 per cent manganese. It is unusual for the oxides to extend to depths of from 10 to 30 feet.

2. The outcrop covers an elliptical area 250 feet long and 115 feet wide. From this area 22 samples were cut by the Bureau of Mines, with results varying from 4.0 to 32.8 per cent manganese, the average being 12.32 per cent manganese, 4.0 per cent iron, 0.06 per cent phosphorous and 67.0 per cent silica.

3. A metallurgical test showed that 64 per cent of the contained manganese could be recovered in a sinter assaying 41.40 per cent manganese, which is below "metallurgical grade".

4. On a direct selling basis (to Geneva), 12 per cent ore would be worth only $7.20 f.o.b. Battle Mountain. Some ore could probably be hand sorted to a grade sufficiently high to pay mining and handling costs.

5. The drilling of 5 holes to a depth of from 200 to 300 feet each is not compatible with the observed geology of this type of mineralization.

6. The Commodity Divisions note that the possibility of "discovery of larger amounts and higher grades are only fair to poor", and that "in view of the low grade and limited extent" --- the drilling program --- "does not seem warranted".

G. C. Selfridge.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

Docket 400
FILE COPY
SURNAME:

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

Brewer
Selfridge

March 13, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Denial of application for exploration loan in the amount of $10,000.00
Docket No. DMA 2172X - Manganese
Golden Century Industries, Inc.
Blackbird Manganese property
Lander County, Nevada

The denial of the subject application by this Division is based on the following information:

1. This property is 51 miles by road south of Battle Mountain, Nevada. The manganese occurs as surface oxides veining, replacing and staining a strongly folded chert and shale, and was probably originally deposited as a carbonate or hydrous silicate. By weathering and surface oxidation the average grade of the surface material has been raised to from 10 to 15 per cent manganese. It is unusual for the oxides to extend to depths of from 10 to 30 feet.

2. The outcrop covers an elliptical area 250 feet long and 115 feet wide. From this area 22 samples were cut by the Bureau of Mines, with results varying from 4.0 to 32.8 per cent manganese, the average being 12.32 per cent manganese, 4.0 per cent iron, 0.06 per cent phosphorous and 67.0 per cent silica.

3. A metallurgical test showed that 64 per cent of the contained manganese could be recovered in a sinter assaying 41.40 per cent manganese, which is below "metallurgical grade".

4. On a direct selling basis (to Geneva), 12 per cent ore would be worth only $7.20 f.o.b. Battle Mountain. Some ore could probably be hand sorted to a grade sufficiently high to pay mining and handling costs.

5. The drilling of 5 holes to a depth of from 200 to 300 feet each is not compatible with the observed geology of this type of mineralization.

6. The Commodity Divisions note that the possibility of "discovery of larger amounts and higher grades are only fair to poor", and that "in view of the low grade and limited extent" --- the drilling program --- "does not seem warranted".

cc 3/17

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

QLBrewer'lm
3/13/52

cc: Admn. Reading File
Docket
G. C. Selfridge
Q. L. Brewer

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

March 11, 1952

Memorandum

To: G. C. Selfridge, DMEA

From: Norwood B. Melcher, Ferrous Metals & Alloys Br.

Subject: DMA 2172 - Golden Century Industries, Inc., Blackbird Claims, Lander County, Nevada - Manganese

As stated in R.I. 4780, Concentration of Oxide Manganese Ores from Lander County, Nev., by T. F. Mitchell, R. R. Wells, and W. G. Sandell, the Bureau of Mines examined and obtained samples of ore from two properties in the vicinity of Battle Mountain, Lander County, Nev. In addition, samples from three claims in the Carico Lake region, Lander County, were submitted by private interests. As the ores were too low in grade to be acceptable for the direct production of ferromanganese, their amenability to concentration by ore dressing was investigated.

Chemical analyses of samples from the different properties were as follows:

	Assay, percent								
Property	Mn	Fe	SiO_2	Insol.	P	Al_2O_3	Zn	Pb	CaO
Black Rock									
Upper bench	22.0	2.7	49.6	54.6	0.12	5.6	Nil	0.24	0.7
Lower bench	22.2	1.5	54.8	56.9	.06	2.0	Nil	.24	.3
Black Eagle	26.0	1.4	50.6	51.9	.06	3.5	-	Tr.	.3
Black Bird	12.2	4.0	67.0	71.9	.01	1.4	Tr.	Nil	.7
Indian Springs	19.1	1.9	61.2	62.0	.03	1.0	.04	Nil	1.4
Walker(Black Rock)	30.6	2.8	35.0	38.0	.06	1.7	.04	.25	1.6

In the case of the Blackbird ore, the combined tabling and flotation concentrates, when sintered, assayed 41.4 percent manganese and contained 63.5 percent of the manganese in the ore.

In view of the low grade of the ore and its probable limited extent, the expenditure of $10,000. for drilling, $2,500 of which is to be contributed by the company, does not seem warranted.

Norwood B. Melcher

2/15/52

Walker
S.M. ~~[illegible]~~ Rm.
2465. ~~2608~~

This property was examined late in October, 1951 by the US BM, Region III, in connection with an application for an access Road.

Examining Engineer for US BM — Glenn G. Gentry.

22 Samples of surface exposures were taken and assayed.

Suggest the access Road Report be studied Prior to further Action

G.G.

Get access Road Report
From S.M. Walker
Room 2465

Mr. Melcher

1-17-68.

Mr. Melcher:

Herewith, please find Docket No. 2172-Pin, together with copy of Judge's opinion.

Will you kindly favor this office with your opinion on the property in question.

Quentin N Burns + George Jeffridge

Ph 5284

Rm 3538

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George B. Holderer DATE: November 5, 1951

FROM : Max D. Crittenden, Jr.

SUBJECT: DMA-2172, Golden Century Industries, Inc.
Blackbird Claims, Lander County, Nevada.

The above company wishes to spend approximately $10,000 to diamond (?) drill the Blackbird manganese property in Lander County, Nevada. The company anticipates that there will be 5 or 6 holes, costing $6.00 per foot. This indicates that they estimate the holes to average 200 to 300 feet in depth. The company expects that there will be no costs except direct drilling costs.

The manganese deposits of this area were examined by the Geological Survey early in World War II, and 3 of them (the better ones) were drilled by the Bureau of Mines. This property was so low grade and remote that it was not explored at that time.

The Blackbird property is in the eastern foothills of the range west of Carico Valley, 51 miles by road south of Battle Mountain. Manganese-bearing chert crops out over an area 100 x 300 feet on the top of a small hill.

The manganese occurs as surface oxides, veining, replacing, and staining strongly folded chert and shale. The manganese was originally deposited with the chert as $MnCo_3$ or hydrous silicates, but the grade was only a few percent Mn. Under the influence of weathering and surface oxidation the manganese has been concentrated and converted to oxides and as a result, the average grade of the surface material has been raised to 10-15 percent manganese. It is unusual, however, the oxides extend to depths of more than 10 to 30 feet.

A 500-lb. sample taken by the Bureau of Mines assayed 12.2 percent Mn. Subsequent testing showed that the material was difficult to mill. Flotation yielded a 64 percent recovery of the manganese in a product assaying only 35-40 percent when sintered. This apparently precludes the use of these ores as a source of metallurgical grade concentrates.

The present operator apparently hopes to sell the mine run ore to Geneva who will buy it F.O.B. Battle Mountain for 60 cents a unit. Ore assaying 12 percent would be worth only $7.20 per ton; the haul of 50 miles would use up most of this. Probably 15 percent ore is about the minimum that could be handled profitably.

The work to date of the examination (11-4-42) indicated only a few thousand tons of material averaging 10-15 percent Mn. Prospects for the discovery of larger amounts and higher grades are only fair to poor.

George B. Holderer

November 5, 1951

Max D. Crittenden, Jr.

DMA-2172, Golden Century Industries, Inc.
Blackbird Claims, Lander County, Nevada.

The above company wishes to spend approximately $10,000 to diamond (?) drill the Blackbird manganese property in Lander County, Nevada. The company anticipates that there will be 5 or 6 holes, costing $6.00 per foot. This indicates that they estimate the holes to average 200 to 300 feet in depth. The company expects that there will be no costs except direct drilling costs.

The manganese deposits of this area were examined by the Geological Survey early in World War II, and 3 of them (the better ones) were drilled by the Bureau of Mines. This property was so low grade and remote that it was not explored at that time.

The Blackbird property is in the eastern foothills of the range west of Carico Valley, 51 miles by road south of Battle Mountain. Manganese-bearing chert crops out over an area 100 x 300 feet on the top of a small hill.

The manganese occurs as surface oxides veining, replacing, and staining strongly folded chert and shale. The manganese was originally deposited with the chert as $MnCo_3$ or hydrous silicates, but the grade was only a few percent Mn. Under the influence of weathering and surface oxidation the manganese has been concentrated and converted to oxides and as a result, the average grade of the surface material has been raised to 10-15 percent manganese. It is unusual, however, the oxides extend to depths of more than 10 to 30 feet.

A 500-lb. sample taken by the Bureau of Mines assayed 12.2 percent Mn. Subsequent testing showed that the material was difficult to mill. Flotation yielded a 64 percent recovery of the manganese in a product assaying only 35-40 percent when sintered. This apparently precludes the use of these ores as a source of metallurgical grade concentrates.

The present operator apparently hopes to sell the mine run ore to Geneva who will buy it F.O.B. Battle Mountain for 60 cents a unit. Ore assaying 12 percent would be worth only $7.20 per ton; the haul of 50 miles would use up most of this. Probably 15 percent ore is about the minimum that could be handled profitably.

The work to date of the examination (11-4-42) indicated only a few thousand tons of material averaging 10-15 percent Mn. Prospects for the discovery of larger amounts and higher grades are only fair to poor.

MDCrittenden:gt

GOLDEN CENTURY INDUSTRIES, Inc.

TELEPHONE 9-1911

413 DARLING BUILDING
SALT LAKE CITY 1, UTAH

October 22, 1951

A I R M A I L

Subject: DMA-2172
Re: Exploration

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

Attn: Robert E. Adams, Chief
Reports andRecords Unit

Gentlemen:

Reference is made to your letter of Oct. 18, 1951 wherein you request information as to the amount of money desired in our recent application which has been designated DMA-2172.

Our program for diamond drilling our deposit of manganese calls for an expenditure of ten thousand dollars. Under the Government participation plan of 75%-25%, this would necessitate the Government furnishing $7,500, with our participation of $2,500.

Trusting that this answers the question contained in your recent letter, we remain,

Sincerely yours,

GOLDEN CENTURY INDUSTRIES, INC.

By K. L. Stoker
K. L. Stoker
President

KLS:fl

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
OCT 24 8 42 AM '51

October 22, 1951

A I R M A I L

Subject: DMA-2172
Re: Exploration

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

Attn: Robert E. Adams, Chief
Reports andRecords Unit

Gentlemen:

Reference is made to your letter of Oct. 18, 1951 wherein you request information as to the amount of money desired in our recent application which has been designated DMA-2172.

Our program for diamond drilling our deposit of manganese calls for an expenditure of ten thousand dollars. Under the Government participation plan of 75%-25%, this would necessitate the Government furnishing $7,500, with our participation of $2,500.

Trusting that this answers the question contained in your recent letter, we remain,

Sincerely yours,

GOLDEN CENTURY INDUSTRIES, INC.

By K. L. Stoker
K. L. Stoker
President

KLS:fl

October 22, 1951

A I R M A I L

Subject: DMA-2172
Re: Exploration

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

Attn: Robert E. Adams, Chief
Reports andRecords Unit

Gentlemen:

Reference is made to your letter of Oct. 13, 1951 wherein you request information as to the amount of money desired in our recent application which has been designated DMA-2172.

Our program for diamond drilling our deposit of manganese calls for an expenditure of ten thousand dollars. Under the Government participation plan of 75%-25%, this would necessitate the Government furnishing $7,500, with our participation of $2,500.

Trusting that this answers the question contained in your recent letter, we remain,

Sincerely yours,

GOLDEN CENTURY INDUSTRIES, INC.

By K. L. Stoker
K. L. Stoker
President

KLS:fl

October 22, 1951

A I R M A I L

Subject: DMA-2172
Re: Exploration

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

Attn: Robert E. Adams, Chief
Reports andRecords Unit

Gentlemen:

Reference is made to your letter of Oct. 18, 1951 wherein you request information as to the amount of money desired in our recent application which has been designated DMA-2172.

Our program for diamond drilling our deposit of manganese calls for an expenditure of ten thousand dollars. Under the Government participation plan of 75%-25%, this would necessitate the Government furnishing $7,500, with our participation of $2,500.

Trusting that this answers the question contained in your recent letter, we remain,

Sincerely yours,

GOLDEN CENTURY INDUSTRIES, INC.

By K. L. Stoker
K. L. Stoker
President

KLS:fl

October 18, 1951

Mr. K. L. Stoker
Golden Century Industries, Inc.
413 Darling Building
Salt Lake City 1, Utah

Subject: DMA-2172
Re: Exploration

My dear Mr. Stoker:

This will acknowledge receipt of your application dated October 15, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2172 and referred to the Ferro Alloys Branch.

Kindly refer to DMA-2172 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

P. S. Please send amount requested

DEPARTMENT OF THE INTERIOR
RECEIVED
OCT 3 1951
Defense Minerals Administration,
Production Expansion Division.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
OCT 3 2 13 PM '51

October 2, 1951

OFFICIAL FILE COPY

To	Init.	Date
~~Geo~~	~~J.~~	~~10-3~~
~~Cattendon~~		~~10/11~~
210	File	11-1-51

A I R M A I L

Senator Henry C. Dworshak
Senate Office Building
Washington, D. C.

Dear Senator Dworshak:

We are indeed grateful for your letter of Sept. 25, 1951, and the letter enclosed therein written by Mr. C. O. Wittenberg for the Acting Administrator of the Defense Minerals Administration. ?

We are enclosing herewith two reports on the Black Eagle manganese deposit, which I previously wrote to you about, written by two prominent engineers and geologists of this locality. You can see by these reports that the Government, in its survey, has certainly slipped up in the tonnage estimates on the Black Eagle deposit. These two men, Mr. Earl B. Young and Mr. J. J. Beeson, are very reputable engineers and their reports cannot be questioned.

In regard to the Carico Lake deposit, if a Government engineer was on that property, it was previous to the time that any development work was done. There is an outcropping that is 150 wide and 300 feet in length. It protrudes above the surface of the ground a good 60 feet. We have explored this deposit to some depth and we find the grade of the manganese to improve as it goes deeper. We have sent numerous samples from this deposit to the Geneva Steel Company of Provo, Utah, and their average has been better that 18% manganese. These samples were taken from the surface of the ground practically, and when a little depth was obtained, the average has increased.

If the Government engineers were on the Carico Lake property, it was, as I said before, previous to any development, and the only samples they could have obtained would have been from the surface which is covered with a silica capping similar to the Black Diablo deposit nearby. This deposit, the Black Diablo, has produced over 200,000 tons of ore averaging better than 26%. It is absurd and shocking to me that the Government would put out any information in regard to a deposit of ore without first determining the extent of that deposit either by shafting or drilling.

I would appreciate it if you would take this matter up again with the Defense Minerals Administration and call

their attention to this information. If we cannot secure Government assistance in putting in a concentrating plant or purchasing depot, we shall go ahead and do it ourselves in some manner.

I am retaining the letter from Mr. Mittendorf because I believe I can use it at a future date to prove how inadequate some of these Government examinations are.

Best regards.

Sincerely yours,

K. L. Stoker

K. L. Stoker FL.
President

KLS:fl
Encls.

cc: Mr. C. O. Mittendorf

GEOLOGY

From Cecil Rood Report

Due to the absence of underground development, only the surface exposures of the deposit could be examined and sampled. The surface exposures indicate the ore to be principally composed of the black manganese oxides, probably classified as the minerals psilomelane and pyrolusite, with psilomelane predominating. Considerable chert was noted and the ore bearing material is considered to be high in silica.

The footwall material is not well exposed but has the appearance of shales. The hanging wall material was only found, in place, at the northeast end of the deposit and was considered to be an altered andesite which has a thin coating of lime along the faces.

This hanging wall structure appears to be dipping to the west and underlying the ore deposit.

The general strike of the deposit is approximately N. 25° W. and dips of 50° E. to 65° E., were noted. The deposit is somewhat elliptical in shape and is exposed for an approximate length of 250 feet. The greatest depth is 35 feet and the maximum width is 115 feet. Tonnages have been estimated by the examining engineer as follows:

Measured ore:	None
Indicated ore:	25,000 tons
Inferred ore:	44,000 tons
	69,000 tons

The mathematical average of 22 samples taken by the examining engineer is as follows:

Percent		
Mn	SiO_2	Fe
12.32	70.18	3.74

Further underground exploration will be required in order to define any downward extension of the ore body.

SAMPLING

Sample No.	%,Mn	%,Fe	%,SiO_2	Location
BM-151	10.6	4.30	72.92	General chip sample over about to tons of broken and sorted ore, ready for shipment. This ore is located at the north end and at the bottom of the west face of the deposit.
152	11.7	4.30	70.91	Grab sample of broken ore at the toe of the west slope, north end. Sample length 32 ft. This ore broken at start of mining operations.
153	8.3	4.60	76.18	Grab sample of broken ore on slope 10 ft. above BM-152. Length of sample 35 ft.
154	14.5	4.75	63.40	Channel sample of ore exposure at south-end of BM-153, length of cut 10.8 ft.
155	20.8	4.65	55.22	Channel sample of ore exposure 6 ft. above BM-154, length of cut 11 ft.
156	8.8	4.00	77.15	Channel sample of ore exposure at north-west end of deposit and 12 ft. below crest of hill, length of cut 11 ft.
157	15.2	3.40	66.18	Beginning at south end of BM-156, channel sample 11 ft. long and 4 ft. below top of outcrop.
158	4.0	5.05	83.16	Beginning at south end of BM-157, channel sample 12 ft. long and 4 ft. below top of outcrop.
159	9.7	3.35	74.80	West end and south side of Trench No. 1, channel sample, length of sample 7 ft.
160	15.0	3.05	62.74	North face of Trench No. 1, channel sample, length of sample 10 ft.
161	8.0	3.85	77.01	North face of Trench No. 1, channel sample, length of sample 7 ft.
162	4.1	4.00	84.72	North face of Trench No. 1, channel sample, length of sample 8 ft.
163	32.8	2.50	36.74	North face of ore exposure in shallow pit No. 1 about 55 feet S.W. of BM-159, length of channel sample 6 ft. 2 inches.
164	15.3	3.05	66.38	East face of winze at south end of ore exposure, length of channel sample 7 ft.
165	9.2	3.60	76.73	West face of ore exposure at east side of winze, length of sample 15 ft.
166	8.6	3.30	79.20	Chip sample of outcrop on surface in area south of reference point "B".
167	7.5	4.85	78.94	Chip sample of outcrop on surface in area between reference points "B" and "A".

Sample No.	%,Mn	%,Fe	%,SiO_2	Location
BM-168	12.4	3.15	70.55	Shovel sample fromdump from open cut and winze at south end of exposure.
169	18.5	3.25	59.70	Grab sample from about 7 tons of ore from dump at Test Pit No. 1.
170	13.1	2.55	68.38	Grab sample from about 5 tons of ore from dump at Test Pit No. 2.
171	10.3	3.50	74.43	Grab sample of broken ore and chip sample of ore exposure in north end of Trench No. 2. Length of sample 40 ft.
172	12.6	3.15	68.50	Grab sample of broken ore and chip sample of ore exposure in south end of Trench No. 1. Length of sample 60 ft.

MINE DEVELOPMENT

The development of the mine has been very limited as will be noted from figure 3. On the northwest corner of the deposit, represented by sample Nos. 154, 155, 156, 157, and 158, the mining company had started breaking ore and hand sorting in order to maintain the best grade for shipment.

At the time of the examination, no workmen were employed at the mine. Former miners were employed in driving trucks on the road improvement program.

Note: Excerpt from access road mine examination data by USBM, Region III as of November 8, 1951, pages 5, 6, and 7.

CONCLUSIONS

According to the present plans of the mining company, they expect to continue improving the mine access road with their own men and equipment and with as much assistance as possible from the Lander County Road Commission. In this manner they expect to have the road in good operating condition by Dec. 1, 1951 and on or before that date expect to resume mining operations.

The mine is entirely undeveloped and further exploration will be required to determine whether or not an acceptable grade of ore can be obtained.

The economics of the operation cannot be ascertained until such time as the actual mining, sorting and shipments of ore have been conducted for at least 90 days.

RECOMMENDATIONS

Due to the low grade of the ore as indicated by the 22 samples taken by the examining engineer, the applicants request for access road improvement is not recommended.

Note: Excerpt from access road mine examination data by USBM, Region III as of November 8, 1951, page 12.

GEOLOGY

From Access Road Report

Due to the absence of underground development, only the surface exposures of the deposit could be examined and sampled. The surface exposures indicate the ore to be principally composed of the black manganese oxides, probably classified as the minerals psilomelane and pyrolusite, with psilomelane predominating. Considerable chert was noted and the ore bearing material is considered to be high in silica.

The footwall material is not well exposed but has the appearance of shales. The hanging wall material was only found, in place, at the northeast end of the deposit and was considered to be an altered andesite which has a thin coating of lime along the faces.

This hanging wall structure appears to be dipping to the west and underlying the ore deposit.

The general strike of the deposit is approximately N. 25° W. and dips of 50° E. to 65° E., were noted. The deposit is somewhat elliptical in shape and is exposed for an approximate length of 250 feet. The greatest depth is 35 feet and the maximum width is 115 feet. Tonnages have been estimated by the examining engineer as follows:

Measured ore:	None
Indicated ore:	25,000 tons
Inferred ore:	44,000 tons
	69,000 tons

The mathematical average of 22 samples taken by the examining engineer is as follows:

Percent		
Mn	SiO_2	Fe
12.32	70.18	3.74

Further underground exploration will be required in order to define any downward extension of the ore body.

SAMPLING

Sample No.	%,Mn	%,Fe	%,SiO_2	Location
BM-151	10.6	4.30	72.92	General chip sample over about to tons of broken and sorted ore, ready for shipment. This ore is located at the north end and at the bottom of the west face of the deposit.
152	11.7	4.30	70.91	Grab sample of broken ore at the toe of the west slope, north end. Sample length 32 ft. This ore broken at start of mining operations.
153	8.3	4.60	76.18	Grab sample of broken ore on slope 10 ft. above BM-152. Length of sample 35 ft.
154	14.5	4.75	63.40	Channel sample of ore exposure at south-end of BM-153, length of cut 10.8 ft.
155	20.8	4.65	55.22	Channel sample of ore exposure 6 ft. above BM-154, length of cut 11 ft.
156	8.8	4.00	77.15	Channel sample of ore exposure at north-west end of deposit and 12 ft. below crest of hill, length of cut 11 ft.
157	15.2	3.40	66.18	Beginning at south end of BM-156, channel sample 11 ft. long and 4 ft. below top of outcrop.
158	4.0	5.05	83.16	Beginning at south end of BM-157, channel sample 12 ft. long and 4 ft. below top of outcrop.
159	9.7	3.35	74.80	West end and south side of Trench No. 1, channel sample, length of sample 7 ft.
160	15.0	3.05	62.74	North face of Trench No. 1, channel sample, length of sample 10 ft.
161	8.0	3.85	77.01	North face of Trench No. 1, channel sample, length of sample 7 ft.
162	4.1	4.00	84.72	North face of Trench No. 1, channel sample, length of sample 8 ft.
163	32.8	2.50	36.74	North face of ore exposure in shallow pit No. 1 about 55 feet S.W. of BM-159, length of channel sample 6 ft. 2 inches.
164	15.3	3.05	66.38	East face of winze at south end of ore exposure, length of channel sample 7 ft.
165	9.2	3.60	76.73	West face of ore exposure at east side of winze, length of sample 15 ft.
166	8.6	3.30	79.20	Chip sample of outcrop on surface in area south of reference point "B".
167	7.5	4.85	78.94	Chip sample of outcrop on surface in area between reference points "B" and "A".

Sample No.	%Mn	%Fe	%SiO_2	Location
RM-168	12.4	3.15	70.55	Shovel sample fromdump from open cut and winze at south end of exposure.
169	18.5	3.25	59.70	Grab sample from about 7 tons of ore from dump at Test Pit No. 1.
170	13.1	2.55	68.38	Grab sample from about 5 tons of ore from dump at Test Pit No. 2.
171	10.3	3.50	74.43	Grab sample of broken ore and chip sample of ore exposure in north end of Trench No. 2. Length of sample 40 ft.
172	12.6	3.15	68.50	Grab sample of broken ore and chip sample of ore exposure in south end of Trench No. 1. Length of sample 60 ft.

MINE DEVELOPMENT

The development of the mine has been very limited as will be noted from figure 3. On the northwest corner of the deposit, represented by sample Nos. 154, 155, 156, 157, and 158, the mining company had started breaking ore and hand sorting in order to maintain the best grade for shipment.

At the time of the examination, no workmen were employed at the mine. Former miners were employed in driving trucks on the road improvement program.

Note: Excerpt from access road mine examination data by USBM, Region III as of November 8, 1951, pages 5, 6, and 7.

CONCLUSIONS

According to the present plans of the mining company, they expect to continue improving the mine access road with their own men and equipment and with as much assistance as possible from the Lander County Road Commission. In this manner they expect to have the road in good operating condition by Dec. 1, 1951 and on or before that date expect to resume mining operations.

The mine is entirely undeveloped and further exploration will be required to determine whether or not an acceptable grade of ore can be obtained.

The economics of the operation cannot be ascertained until such time as the actual mining, sorting and shipments of ore have been conducted for at least 90 days.

RECOMMENDATIONS

Due to the low grade of the ore as indicated by the 22 samples taken by the examining engineer, the applicants request for access road improvement is not recommended.

Note: Excerpt from access road mine examination data by USBM, Region III as of November 8, 1951, page 12.

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. AmA-2172

Date received 10-17-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 17 1951

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Name and address of applicant

Date Oct. 15, 1951

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.
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.

GOLDEN CENTURY INDUSTRIES, INC. 413 Darling Building Salt Lake City 1, Utah Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
K. L. Stoker Ut. 1652 Blaine Ave., SLC,	Pres. "D"	$6,000	$20,000	475,000			
S. Bruce Hanks 1743 S. 20 E., SLC, Ut.	Sec-Treas. "D"	$2,500	$20,000	75,000			
H. Earl Lewis Pocatello, Idaho	Vice-Pres. "D"	None	$15,000	20,000			
Edward Farley Pocatello, Idaho	Stockholder	"	$25,000	75,000			
Dr. W. J. Weese Ontario, Oregon	"	"	$100,000	44,000			
Frank Dean Carlin, Nevada	Supt.	$7,200	$10,000	87,000			
Charles Lewis Pocatello, Idaho	Stockholder	None	$15,000	40,000			
John D. Carter Salt Lake City, Utah	"	"	$35,000	36,000			
	Total		x x x x x			x x x x x	x x x x x
		Total $15,700		852,000			

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	$250,000	$160,000	$ .10	1,600,000	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.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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.

(*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)					
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.

GOLDEN CENTURY INDUSTRIES, INC.
(Name of company)

By K. L. Stoker
(Signature of authorized official)

K. L. Stoker
President
(Title)

October 15, 1951
(Date)

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

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

GOLDEN CENTURY INDUSTRIES, INC.
418 Darling Building
Salt Lake City 1, Utah

Form MF-100 General Technical Data

1. Materials produced:
   (a) Manganese
   (b) None

2. Surface trenching and three shallow test pits ranging from 4 to 10 feet in depth.

3. (a) 50 miles to the northwest.
   (b) Carico Lake.
   (c)
   (d) Lander County, State of Nevada

4. (a) No.
   (b) Lessee.

5. None. Estimated date when production will begin - Dec. 1951.

6. Experience of operators:
   (a) Golden Century Industries, Inc. has been in the mining business during the last year and one-half, having been incorporated under the State Laws of Idaho, Apr. 18, 1950. During this period the applicant has been active in gold placer deposits in Idaho, including one which contained monazite.

   At the present time the applicant is developing the Copper King Mine thirteen miles northwest of Carlin, Nev. This operation has been paid for by the applicant and consists of 218 feet of shaft work and over 1,000 feet of crosscutting. Shipments of copper ore to the Garfield, Utah, smelter of the A.S.&R. Co. will commence within the next 60 days.

   During the last twelve months the applicant has been making examinations of manganese deposits in the vicinity of Battle Mountain, Nevada. Considerable testing and prospecting has been done to determine the value of the several different properties under examination. The Carico Lake deposit, for which this application is being made, is considered the most likely of these properties.

   (b) Mr. Frank Dean, a practical miner, is in active charge of the Golden Century Industries, Inc. properties in Nevada. During World War II Mr. Dean was in charge of the Western Alloys operation at the Black Eagle and Black Rock manganese deposits. These two properties, especially the Black Rock, produced quite a tonnage of manganese ore during that period. Mr. Dean was actively employed as Manager for the Western Alloys Company for three and one-half years.

Form MF-100

6. (b) Cont'd.
Previous to that time, and over a period of approximately 20 years, Mr. Dean has been in the mining business, either leasing and developing properties or working for several different companies whose headquarters were mostly in Salt Lake City, Utah.

7. History:
(a) This manganese property was never worked because of its inaccessibility and because the grade was not sufficiently high to justify interest in previous years. Due to recent road developments and the strategic importance of manganese, this property has taken on new interest. No work was done on this outcropping of manganese previous to its acquisition by Golden Century Industries, Inc.

There is a silica capping which has discouraged to a certain extent the former owners or lessees. It has been found that beneath this silica capping there is considerable ore of a grade averaging 18% or better in manganese. Due to the silica content this ore has not been of any commercial value previous to the present new developments in concentration of similar ores. It is only recently that the local market, Geneva Steel Company of Provo, Utah, has been interested in ores running as low as 20% manganese. Geneva is now offering 60 cents per unit f.o.b. Battle Mountain on 20% manganese ore. Previously, the silica content of the ore was penalized, but this is not the case now.

(b) None

(c) Mr. J. J. Beeson of this city examined this deposit in 1948. He reports that he was favorably impressed with the outcrop showing, but the manganese content of samples taken by him from the surface was not sufficiently high to justify any work at that time. No written report was made by him.

8 and 9. Answered on form.

10 and 11. Do not apply.

12. Ore or Mineral Reserves:
Accompanying this application is a map showing the dimensions of the outcrop of the Carico Lake manganese deposit. This outcrop protrudes above the surrounding rock about 50 feet. No work has been done to determine the extent downward of this ore body. The surrounding rock is shale, and from the appearance of the outcrop, the ore body gets larger as it trends downward. We are desirous of obtaining information as to the depth of this ore.

Form MF-100

13. Access Roads:
It is 51 miles to Battle Mountain, Nevada, 41 miles of which is over a main traveled highway which connects Austin, Nevada with Battle Mountain, Nevada. Twenty miles of this road is oiled, the balance is graveled. The remaining ten miles is fair country road and is now in the process of being improved.

14. Water Supply:
Water for drilling purposes and household use has to be hauled for a distance of two and one-half miles. This source is available the year round.

15. Power:
No electric power is available.

16. Labor:
Two miners have been employed during the last four months. Some shallow trenching and shafting have been done during this period.

17. Equipment and Facilities:
There are now at the property two buildings; one for living quarters is 60' x 20', the other, a workshed and machinery storage building, is 42' x 20'. These buildings have just recently been constructed and are in excellent condition.

There is now on the property one 105 cu. ft. Gardner-Denver portable compressor with drills, pipe, air hose and other necessary supplies for mining.

18. No.

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

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. DMA-2172
Metal or Mineral
Date Received 10-17-51
Amount $
Participation (Government %)

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Name and address of applicant

Date Oct. 15, 1951

If you have already filed MF-100, give date filed Oct. 15, 1951, type of assistance requested Loan for manganese exploration.

DMA Docket Number (if available) 2172

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.

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.

GOLDEN CENTURY INDUSTRIES, INC.
(Name of company)

By K. L. Stoker
(Signature of authorized official)
K. L. Stoker

October 15, 1951
(Date)

President
(Title)

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

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

FORM MF-103

1. (a) Accompanying this application is a map giving a description of the mining property involved in this request. Also designated on the map are the locations of drill holes which we desire to have drilled in order to determine the depth of this ore body and the manganese content thereof.

   (b) A copy of our lease accompanies this application.

   (c) A description of the property concerned in this request for Government participation is contained in the accompanying lease.

2. (a) Manganese.

   (b) As shown on the accompanying map, there is a large outcropping of manganese ore surrounded by shale rock. This outcropping protrudes above the surrounding country about 50 feet. There is a silica capping, beneath which there is found to be some very fine manganese ore.

   There is no geologic or engineering report on this property, however, Mr. J. J. Beeson, a geologist of Salt Lake City, Utah, inspected the property in 1948 and took samples of the outcropping. At that time there was practically no work done on the property and the percentage of manganese he obtained was low, averaging between 15 and 20 per cent. Recent work done by this Company has exposed a better grade of ore. It is the desire of this Company to determine the extent downward of this deposit and the value contained in manganese.

   What grade?

3. (a) It is desired to drill five or six holes on this deposit to determine the depth of the ore body. The total cost of this project will be approximately ten thousand dollars.

   (b) It will take 7 days to start the project and approximately 30 days to complete it.

4. The accompanying map shows the approximate locations of the proposed diamond drill holes.

5. All buildings on the property have just recently been constructed. They include a 60' x 20' ten-man barracks, which is sufficient for future needs, and a 42' x 20' storage and repair shop. No additional buildings or fixtures are contemplated.

6. None.

7. Gardner-Denver 105 cu. ft. portable compressor, no depreciation of which is to be deducted from the cost of the project.

8. It is contemplated that a contract will be given a local firm to do the drilling. It is estimated that this will cost approximately $6.00 per foot. There will be no charges made against this project except the direct contract for the drilling.

9. None.

10. (a) $2500.00

    (b) Yes

11. Previous sampling on the surface of this outcropping and work which has been done recently indicate that the average grade of the deposit will run between 16 and 20 per cent manganese, 50 per cent silica, with no arsenic, phosphorous, zinc, lead or other impurities.

is this any better than before, see preceding page?

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

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. DMA-2172
Metal or Mineral
Date Received 10-17-51
Amount $
Participation (Government %)

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Name and address of applicant

Date Oct. 15, 1951

If you have already filed MF-100, give date filed Oct. 15, 1951, type of assistance requested Loan for manganese exploration.

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.

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.

GOLDEN CENTURY INDUSTRIES, INC.
(Name of company)

By R. L. Stoker
(Signature of authorized official)
R. L. Stoker

October 15, 1951
(Date)

President
(Title)

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

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

GOLDEN-CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

FORM MF-103

1. (a) Accompanying this application is a map giving a description of the mining property involved in this request. Also designated on the map are the locations of drill holes which we desire to have drilled in order to determine the depth of this ore body and the manganese content thereof.

   (b) A copy of our lease accompanies this application.

   (c) A description of the property concerned in this request for Government participation is contained in the accompanying lease.

2. (a) Manganese.

   (b) As shown on the accompanying map, there is a large outcropping of manganese ore surrounded by shale rock. This outcropping protrudes above the surrounding country about 50 feet. There is a silica capping, beneath which there is found to be some very fine manganese ore.

   There is no geologic or engineering report on this property, however, Mr. J. J. Beeson, a geologist of Salt Lake City, Utah, inspected the property in 1948 and took samples of the outcropping. At that time there was practically no work done on the property and the percentage of manganese he obtained was low, averaging between 15 and 20 per cent. Recent work done by this Company has exposed a better grade of ore. It is the desire of this Company to determine the extent downward of this deposit and the value contained in manganese.

3. (a) It is desired to drill five or six holes on this deposit to determine the depth of the ore body. The total cost of this project will be approximately ten thousand dollars.

   (b) It will take 7 days to start the project and approximately 30 days to complete it.

4. The accompanying map shows the approximate locations of the proposed diamond drill holes.

5. All buildings on the property have just recently been constructed. They include a 60' x 20' ten-man barracks, which is sufficient for future needs, and a 42' x 20' storage and repair shop. No additional buildings or fixtures are contemplated.

6. None.

7. Gardner-Denver 105 cu. ft. portable compressor, no depreciation of which is to be deducted from the cost of the project.

8. It is contemplated that a contract will be given a local firm to do the drilling. It is estimated that this will cost approximately $6.00 per foot. There will be no charges made against this project except the direct contract for the drilling.

9. None.

10. (a) $2500.00

    (b) Yes

11. Previous sampling on the surface of this outcropping and work which has been done recently indicate that the average grade of the deposit will run between 16 and 20 per cent manganese, 50 per cent silica, with no arsenic, phosphorous, zinc, lead or other impurities.

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

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. DMA-212
Metal or Mineral
Date Received 10-17-51
Amount $
Participation (Government %)

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Name and address of applicant

Date Oct. 15, 1951

If you have already filed MF-100, give date filed Oct. 15, 1951, type of assistance requested Loan for manganese exploration.

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.

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.

GOLDEN CENTURY INDUSTRIES, INC.
(Name of company)

By K. L. Stoker
(Signature of authorized official)
K. L. Stoker

October 15, 1951
(Date)

President
(Title)

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

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

GOLDEN CENTURY INDUSTRIES,
413 Darling Building
Salt Lake City 1, Utah

FORM MF-103

1. (a) Accompanying this application is a map giving a description of the mining property involved in this request. Also designated on the map are the locations of drill holes which we desire to have drilled in order to determine the depth of this ore body and the manganese content thereof.

   (b) A copy of our lease accompanies this application.

   (c) A description of the property concerned in this request for Government participation is contained in the accompanying lease.

2. (a) Manganese.

   (b) As shown on the accompanying map, there is a large outcropping of manganese ore surrounded by shale rock. This outcropping protrudes above the surrounding country about 50 feet. There is a silica capping, beneath which there is found to be some very fine manganese ore.

   There is no geologic or engineering report on this property, however, Mr. J. J. Beeson, a geologist of Salt Lake City, Utah, inspected the property in 1948 and took samples of the outcropping. At that time there was practically no work done on the property and the percentage of manganese he obtained was low, averaging between 15 and 20 per cent. Recent work done by this Company has exposed a better grade of ore. It is the desire of this Company to determine the extent downward of this deposit and the value contained in manganese.

3. (a) It is desired to drill five or six holes on this deposit to determine the depth of the ore body. The total cost of this project will be approximately ten thousand dollars.

   (b) It will take 7 days to start the project and approximately 30 days to complete it.

4. The accompanying map shows the approximate locations of the proposed diamond drill holes.

5. All buildings on the property have just recently been constructed. They include a 60' x 20' ten-man barracks, which is sufficient for future needs, and a 42' x 20' storage and repair shop. No additional buildings or fixtures are contemplated.

6. None.

7. Gardner-Denver 105 cu. ft. portable compressor, no depreciation of which is to be deducted from the cost of the project.

8. It is contemplated that a contract will be given a local firm to do the drilling. It is estimated that this will cost approximately $6.00 per foot. There will be no charges made against this project except the direct contract for the drilling.

9. None.

10. (a) $2500.00

    (b) Yes

11. Previous sampling on the surface of this outcropping and work which has been done recently indicate that the average grade of the deposit will run between 16 and 20 per cent manganese, 50 per cent silica, with no arsenic, phosphorous, zinc, lead or other impurities.

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

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. DMA A-2172
Metal or Mineral
Date Received 10-17-51
Amount $
Participation (Government %)

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Name and address of applicant

Date Oct. 15, 1951

If you have already filed MF-100, give date filed Oct. 15, 1951, type of assistance requested Loan for manganese exploration.

DMA Docket Number (if available) 2172

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.

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.

GOLDEN CENTURY INDUSTRIES, INC.
(Name of company)

By K. L. Stoker
(Signature of authorized official)
K. L. Stoker

October 15, 1951
(Date)

President
(Title)

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

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

FORM MF-103

1. (a) Accompanying this application is a map giving a description of the mining property involved in this request. Also designated on the map are the locations of drill holes which we desire to have drilled in order to determine the depth of this ore body and the manganese content thereof.

   (b) A copy of our lease accompanies this application.

   (c) A description of the property concerned in this request for Government participation is contained in the accompanying lease.

2. (a) Manganese.

   (b) As shown on the accompanying map, there is a large outcropping of manganese ore surrounded by shale rock. This outcropping protrudes above the surrounding country about 50 feet. There is a silica capping, beneath which there is found to be some very fine manganese ore.

   There is no geologic or engineering report on this property, however, Mr. J. J. Beeson, a geologist of Salt Lake City, Utah, inspected the property in 1948 and took samples of the outcropping. At that time there was practically no work done on the property and the percentage of manganese he obtained was low, averaging between 15 and 20 per cent. Recent work done by this Company has exposed a better grade of ore. It is the desire of this Company to determine the extent downward of this deposit and the value contained in manganese.

3. (a) It is desired to drill five or six holes on this deposit to determine the depth of the ore body. The total cost of this project will be approximately ten thousand dollars.

   (b) It will take 7 days to start the project and approximately 30 days to complete it.

4. The accompanying map shows the approximate locations of the proposed diamond drill holes.

5. All buildings on the property have just recently been constructed. They include a 60' x 20' ten-man barracks, which is sufficient for future needs, and a 42' x 20' storage and repair shop. No additional buildings or fixtures are contemplated.

6. None.

7. Gardner-Denver 105 cu. ft. portable compressor, no depreciation of which is to be deducted from the cost of the project.

8. It is contemplated that a contract will be given a local firm to do the drilling. It is estimated that this will cost approximately $6.00 per foot. There will be no charges made against this project except the direct contract for the drilling.

9. None.

10. (a) $2500.00

    (b) Yes

11. Previous sampling on the surface of this outcropping and work which has been done recently indicate that the average grade of the deposit will run between 16 and 20 per cent manganese, 50 per cent silica, with no arsenic, phosphorous, zinc, lead or other impurities.

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

(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)					
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.

GOLDEN CENTURY INDUSTRIES, INC.
(Name of company)

By K. L. Stoker
(Signature of authorized official)

October 15, 1951
(Date)

K. L. Stoker
President
(Title)

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

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

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. Am4-2172

Date received 10-17-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 17 1951

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Name and address of applicant

Date Oct. 15, 1951

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.
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.

GOLDEN CENTURY INDUSTRIES, INC. 413 Darling Building Salt Lake City 1, Utah Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
K. L. Stoker Ut. 1652 Blaine Ave., SLC,	Pres. "D"	$6,000	$20,000	475,000			
S. Bruce Hanks 1743 S. 20 E., SLC, Ut.	Sec-Treas. "D"	$2,500	$20,000	75,000			
H. Earl Lewis Pocatello, Idaho	Vice-Pres. "D"	None	$15,000	20,000			
Edward Farley Pocatello, Idaho	Stockholder	"	$25,000	75,000			
Dr. W. J. Weese Ontario, Oregon	"	"	$100,000	44,000			
Frank Dean Carlin, Nevada	Supt.	$7,200	$10,000	87,000			
Charles Lewis Pocatello, Idaho	Stockholder	None	$15,000	40,000			
John D. Carter Salt Lake City, Utah	"	"	$35,000	36,000			
	Total		x x x x x			x x x x x	x x x x x
		Total $15,700		852,000			

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	$ 250,000	$ 160,000	$ .10	1,600,000	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.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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.

GOLDEN CENTURY INDUSTRIES, INC.
418 Darling Building
Salt Lake City 1, Utah

Form MF-100 General Technical Data

1. Materials produced:
   (a) Manganese
   (b) None

2. Surface trenching and three shallow test pits ranging from 4 to 10 feet in depth.

3. (a) 50 miles to the northwest.
   (b) Carico Lake.
   (c)
   (d) Lander County, State of Nevada

4. (a) No.
   (b) Lessee.

5. None. Estimated date when production will begin - Dec. 1951.

6. Experience of operators:
   (a) Golden Century Industries, Inc. has been in the mining business during the last year and one-half, having been incorporated under the State Laws of Idaho, Apr. 18, 1950. During this period the applicant has been active in gold placer deposits in Idaho, including one which contained monazite.

   At the present time the applicant is developing the Copper King Mine thirteen miles northwest of Carlin, Nev. This operation has been paid for by the applicant and consists of 218 feet of shaft work and over 1,000 feet of crosscutting. Shipments of copper ore to the Garfield, Utah, smelter of the A.S.&R. Co. will commence within the next 60 days.

   During the last twelve months the applicant has been making examinations of manganese deposits in the vicinity of Battle Mountain, Nevada. Considerable testing and prospecting has been done to determine the value of the several different properties under examination. The Carico Lake deposit, for which this application is being made, is considered the most likely of these properties.

   (b) Mr. Frank Dean, a practical miner, is in active charge of the Golden Century Industries, Inc. properties in Nevada. During World War II Mr. Dean was in charge of the Western Alloys operation at the Black Eagle and Black Rock manganese deposits. These two properties, especially the Black Rock, produced quite a tonnage of manganese ore during that period. Mr. Dean was actively employed as Manager for the Western Alloys Company for three and one-half years.

6. (b) Cont'd.
Previous to that time, and over a period of approximately 20 years, Mr. Dean has been in the mining business, either leasing and developing properties or working for several different companies whose headquarters were mostly in Salt Lake City, Utah.

7. History:
(a) This manganese property was never worked because of its inaccessibility and because the grade was not sufficiently high to justify interest in previous years. Due to recent road developments and the strategic importance of manganese, this property has taken on new interest. No work was done on this outcropping of manganese previous to its acquisition by Golden Century Industries, Inc.

There is a silica capping which has discouraged to a certain extent the former owners or lessees. It has been found that beneath this silica capping there is considerable ore of a grade averaging 18% or better in manganese. Due to the silica content this ore has not been of any commercial value previous to the present new developments in concentration of similar ores. It is only recently that the local market, Geneva Steel Company of Provo, Utah, has been interested in ores running as low as 20% manganese. Geneva is now offering 60 cents per unit f.o.b. Battle Mountain on 20% manganese ore. Previously, the silica content of the ore was penalized, but this is not the case now.

(b) None

(c) Mr. J. J. Beeson of this city examined this deposit in 1948. He reports that he was favorably impressed with the outcrop showing, but the manganese content of samples taken by him from the surface was not sufficiently high to justify any work at that time. No written report was made by him.

8 and 9. Answered on form.

10 and 11. Do not apply.

12. Ore or Mineral Reserves:
Accompanying this application is a map showing the dimensions of the outcrop of the Carico Lake manganese deposit. This outcrop protrudes above the surrounding rock about 50 feet. No work has been done to determine the extent downward of this ore body. The surrounding rock is shale, and from the appearance of the outcrop, the ore body gets larger as it trends downward. We are desirous of obtaining information as to the depth of this ore.

Form MF-100

13. Access Roads:
It is 51 miles to Battle Mountain, Nevada, 41 miles of which is over a main traveled highway which connects Austin, Nevada with Battle Mountain, Nevada. Twenty miles of this road is oiled, the balance is graveled. The remaining ten miles is fair country road and is now in the process of being improved.

14. Water Supply:
Water for drilling purposes and household use has to be hauled for a distance of two and one-half miles. This source is available the year round.

15. Power:
No electric power is available.

16. Labor:
Two miners have been employed during the last four months. Some shallow trenching and shafting have been done during this period.

17. Equipment and Facilities:
There are now at the property two buildings; one for living quarters is 60' x 20', the other, a workshed and machinery storage building, is 42' x 20'. These buildings have just recently been constructed and are in excellent condition.

There is now on the property one 105 cu. ft. Gardner-Denver portable compressor with drills, pipe, air hose and other necessary supplies for mining.

18. No.

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Form MF-103
(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. DMA-2172

Date received 10-17-V-1

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 17 1951

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Name and address of applicant

Date Oct 15, 1951

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.
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.

GOLDEN CENTURY INDUSTRIES, INC. 413 Darling Building Salt Lake City 1, Utah 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)
K. L. Stoker Ut. 1652 Blaine Ave., SLC,	Pres. "D"	$6,000	$20,000	475,000			
S. Bruce Hanks 1743 S. 20 E., SLC, Ut.	Sec-Treas. "D"	$2,500	$20,000	75,000			
H. Earl Lewis Pocatello, Idaho	Vice-Pres. "D"	None	$15,000	20,000			
Edward Farley Pocatello, Idaho	Stockholder	"	$25,000	75,000			
Dr. W. J. Weese Ontario, Oregon	"	"	$100,000	44,000			
Frank Dean Carlin, Nevada	Supt.	$7,200	$10,000	87,000			
Charles Lewis Pocatello, Idaho	Stockholder	None	$15,000	40,000			
John D. Carter Salt Lake City, Utah	"	"	$35,000	36,000			
	Total		x x x x x			x x x x x	x x x x x
		Total	$15,700	852,000			

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	$ 250,000	$ 160,000	$ .10	1,600,000	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.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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.

(*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)					
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.

GOLDEN CENTURY INDUSTRIES, INC.
(Name of company)

By K. L. Stoker
(Signature of authorized official)

October 15, 1951
(Date)

K. L. Stoker
President
(Title)

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

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Form MF-100 General Technical Data

1. Materials produced:
   (a) Manganese
   (b) None

2. Surface trenching and three shallow test pits ranging from 4 to 10 feet in depth.

3. (a) 50 miles to the northwest.
   (b) Carico Lake.
   (c)
   (d) Lander County, State of Nevada

4. (a) No.
   (b) Lessee.

5. None. Estimated date when production will begin - Dec. 1951.

6. Experience of operators:
   (a) Golden Century Industries, Inc. has been in the mining business during the last year and one-half, having been incorporated under the State Laws of Idaho, Apr. 18, 1950. During this period the applicant has been active in gold placer deposits in Idaho, including one which contained monazite.

   At the present time the applicant is developing the Copper King Mine thirteen miles northwest of Carlin, Nev. This operation has been paid for by the applicant and consists of 218 feet of shaft work and over 1,000 feet of crosscutting. Shipments of copper ore to the Garfield, Utah, smelter of the A.S.&R. Co. will commence within the next 60 days.

   During the last twelve months the applicant has been making examinations of manganese deposits in the vicinity of Battle Mountain, Nevada. Considerable testing and prospecting has been done to determine the value of the several different properties under examination. The Carico Lake deposit, for which this application is being made, is considered the most likely of these properties.

   (b) Mr. Frank Dean, a practical miner, is in active charge of the Golden Century Industries, Inc. properties in Nevada. During World War II Mr. Dean was in charge of the Western Alloys operation at the Black Eagle and Black Rock manganese deposits. These two properties, especially the Black Rock, produced quite a tonnage of manganese ore during that period. Mr. Dean was actively employed as Manager for the Western Alloys Company for three and one-half years.

6. (b) Cont'd.
Previous to that time, and over a period of approximately 20 years, Mr. Dean has been in the mining business, either leasing and developing properties or working for several different companies whose headquarters were mostly in Salt Lake City, Utah.

7. History:
(a) This manganese property was never worked because of its inaccessibility and because the grade was not sufficiently high to justify interest in previous years. Due to recent road developments and the strategic importance of manganese, this property has taken on new interest. No work was done on this outcropping of manganese previous to its acquisition by Golden Century Industries, Inc.

There is a silica capping which has discouraged to a certain extent the former owners or lessees. It has been found that beneath this silica capping there is considerable ore of a grade averaging 18% or better in manganese. Due to the silica content this ore has not been of any commercial value previous to the present new developments in concentration of similar ores. It is only recently that the local market, Geneva Steel Company of Provo, Utah, has been interested in ores running as low as 20% manganese. Geneva is now offering 60 cents per unit f.o.b. Battle Mountain on 20% manganese ore. Previously, the silica content of the ore was penalized, but this is not the case now.

(b) None

(c) Mr. J. J. Beeson of this city examined this deposit in 1948. He reports that he was favorably impressed with the outcrop showing, but the manganese content of samples taken by him from the surface was not sufficiently high to justify any work at that time. No written report was made by him.

8 and 9. Answered on form.

10 and 11. Do not apply.

12. Ore or Mineral Reserves:
Accompanying this application is a map showing the dimensions of the outcrop of the Carico Lake manganese deposit. This outcrop protrudes above the surrounding rock about 50 feet. No work has been done to determine the extent downward of this ore body. The surrounding rock is shale, and from the appearance of the outcrop, the ore body gets larger as it trends downward. We are desirous of obtaining information as to the depth of this ore.

Form MF-100

13. Access Roads:
It is 51 miles to Battle Mountain, Nevada, 41 miles of which is over a main traveled highway which connects Austin, Nevada with Battle Mountain, Nevada. Twenty miles of this road is oiled, the balance is graveled. The remaining ten miles is fair country road and is now in the process of being improved.

14. Water Supply:
Water for drilling purposes and household use has to be hauled for a distance of two and one-half miles. This source is available the year round.

15. Power:
No electric power is available.

16. Labor:
Two miners have been employed during the last four months. Some shallow trenching and shafting have been done during this period.

17. Equipment and Facilities:
There are now at the property two buildings; one for living quarters is 60' x 20', the other, a workshed and machinery storage building, is 42' x 20'. These buildings have just recently been constructed and are in excellent condition.

There is now on the property one 105 cu. ft. Gardner-Denver portable compressor with drills, pipe, air hose and other necessary supplies for mining.

18. No.

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Form MF-103
(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. DMA-2172

Date received 10-17-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 17 1951

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

Name and address of applicant

Date Oct. 15, 1951

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.
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.

GOLDEN CENTURY INDUSTRIES, INC. 413 Darling Building Salt Lake City 1, Utah 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)
K. L. Stoker Ut. 1652 Blaine Ave., SLC,	Pres. "D"	$6,000	$20,000	475,000			
S. Bruce Hanks 1743 S. 20 E., SLC, Ut.	Sec-Treas. "D"	$2,500	$20,000	75,000			
H. Earl Lewis Pocatello, Idaho	Vice-Pres. "D"	None	$15,000	20,000			
Edward Parley Pocatello, Idaho	Stockholder	"	$25,000	75,000			
Dr. W. J. Weese Ontario, Oregon	"	"	$100,000	44,000			
Frank Dean Carlin, Nevada	Supt.	$7,200	$10,000	37,000			
Charles Lewis Pocatello, Idaho	Stockholder	None	$15,000	40,000			
John D. Carter Salt Lake City, Utah	"	"	$35,000	36,000			
	Total	$15,700	x x x x x	852,000		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	$ 250,000	$ 160,000	$ .10	1,600,000	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.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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.

(*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)					
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.

GOLDEN CENTURY INDUSTRIES, INC.
(Name of company)

By K. E. Stoker
(Signature of authorized official)

October 15, 1951
(Date)

K.E. Stoker
President
(Title)

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

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

GOLDEN CENTURY INDUSTRIES, INC.
418 Dunning Building
Salt Lake City 1, Utah

Form MF-100 General Technical Data

1. Materials produced:
   (a) Manganese
   (b) None

2. Surface trenching and three shallow test pits ranging from 4 to 10 feet in depth.

3. (a) 50 miles to the northwest.
   (b) Carico Lake.
   (c)
   (d) Lander County, State of Nevada

4. (a) No.
   (b) Lessee.

5. None. Estimated date when production will begin - Dec. 1951.

6. Experience of operators:
   (a) Golden Century Industries, Inc. has been in the mining business during the last year and one-half, having been incorporated under the State Laws of Idaho, Apr. 18, 1950. During this period the applicant has been active in gold placer deposits in Idaho, including one which contained monazite.

   At the present time the applicant is developing the Copper King Mine thirteen miles northwest of Carlin, Nev. This operation has been paid for by the applicant and consists of 218 feet of shaft work and over 1,000 feet of crosscutting. Shipments of copper ore to the Garfield, Utah, smelter of the A.S.&R. Co. will commence within the next 60 days.

   During the last twelve months the applicant has been making examinations of manganese deposits in the vicinity of Battle Mountain, Nevada. Considerable testing and prospecting has been done to determine the value of the several different properties under examination. The Carico Lake deposit, for which this application is being made, is considered the most likely of these properties.

   (b) Mr. Frank Dean, a practical miner, is in active charge of the Golden Century Industries, Inc. properties in Nevada. During World War II Mr. Dean was in charge of the Western Alloys operation at the Black Eagle and Black Rock manganese deposits. These two properties, especially the Black Rock, produced quite a tonnage of manganese ore during that period. Mr. Dean was actively employed as Manager for the Western Alloys Company for three and one-half years.

6. (b) Cont'd.
Previous to that time, and over a period of approximately 20 years, Mr. Dean has been in the mining business, either leasing and developing properties or working for several different companies whose headquarters were mostly in Salt Lake City, Utah.

7. History:
(a) This manganese property was never worked because of its inaccessibility and because the grade was not sufficiently high to justify interest in previous years. Due to recent road developments and the strategic importance of manganese, this property has taken on new interest. No work was done on this outcropping of manganese previous to its acquisition by Golden Century Industries, Inc.

There is a silica capping which has discouraged to a certain extent the former owners or lessees. It has been found that beneath this silica capping there is considerable ore of a grade averaging 18% or better in manganese. Due to the silica content this ore has not been of any commercial value previous to the present new developments in concentration of similar ores. It is only recently that the local market, Geneva Steel Company of Provo, Utah, has been interested in ores running as low as 20% manganese. Geneva is now offering 60 cents per unit f.o.b. Battle Mountain on 20% manganese ore. Previously, the silica content of the ore was penalized, but this is not the case now.

(b) None

(c) Mr. J. J. Beeson of this city examined this deposit in 1948. He reports that he was favorably impressed with the outcrop showing, but the manganese content of samples taken by him from the surface was not sufficiently high to justify any work at that time. No written report was made by him.

8 and 9. Answered on form.

10 and 11. Do not apply.

12. Ore or Mineral Reserves:
Accompanying this application is a map showing the dimensions of the outcrop of the Carico Lake manganese deposit. This outcrop protrudes above the surrounding rock about 50 feet. No work has been done to determine the extent downward of this ore body. The surrounding rock is shale, and from the appearance of the outcrop, the ore body gets larger as it trends downward. We are desirous of obtaining information as to the depth of this ore.

Form MF-100

13. Access Roads:
It is 51 miles to Battle Mountain, Nevada, 41 miles of which is over a main traveled highway which connects Austin, Nevada with Battle Mountain, Nevada. Twenty miles of this road is oiled, the balance is graveled. The remaining ten miles is fair country road and is now in the process of being improved.

14. Water Supply:
Water for drilling purposes and household use has to be hauled for a distance of two and one-half miles. This source is available the year round.

15. Power:
No electric power is available.

16. Labor:
Two miners have been employed during the last four months. Some shallow trenching and shafting have been done during this period.

17. Equipment and Facilities:
There are now at the property two buildings; one for living quarters is 60' x 20', the other, a workshed and machinery storage building, is 42' x 20'. These buildings have just recently been constructed and are in excellent condition.

There is now on the property one 105 cu. ft. Gardner-Denver portable compressor with drills, pipe, air hose and other necessary supplies for mining.

18. No.

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

L E A S E

THIS LEASE, made the 24th day of February, 1951, by and between J. W. MINK and BOB HOLDREN, also known as ROBERT HOLDREN, of Elko, Nevada, the parties of the first part, hereinafter called the Lessors, and GOLDEN CENTURY INDUSTRIES, Incorporated, a corporation organized under the laws of the State of Idaho, party of the second part, hereinafter called the Lessee,

W I T N E S S E T H :

WHEREAS, the lessors are, and represent themselves to be, the purchasers of those certain Mining Claims situated in the County of Lander, State of Nevada, in the Carico Lake Mining District and more particularly known as Blackbird No. 1 and Blackbird No. 2, which said contract of purchase is as follows:

"THIS AGREEMENT, made and entered into this 26 day of December, 1950, by and between WILLIAM RAST and JOHN RAST and ROSE ABERASTURI of 527 California Avenue, Reno, Nevada, parties of the first part, and J. W. MINK and BOB HOLDREN of Elko, Nevada, parties of the second part,

W I T N E S S E T H :

The parties of the first part, for and in consideration of the sum of One Dollar ($1.00), to them in hand paid, the receipt whereof is hereby acknowledged, do hereby agree to sell and convey to the parties of the second part by good and sufficient deeds the following described mining claims and property, to-wit:

Blackbird No. 1
Blackbird No. 2

mining claims located in Lander County, Nevada, called the Carico Lake Mining District.

The total sum and purchase price to be paid therefor being the sum of Three Thousand Dollars ($3,000.00) payable as follows:

One Hundred Dollars ($100.00) per month on the 26 of each and every calendar month, commencing January 26, 1951, such payments to be made equally to parties of the first

NOTE: All terms of the lease as herein called for have been complied with. All advance royalty payments are up-to-date.

part, being Thirty Three Dollars and Thirty Three Cents to each of the parties of the first part, per month, for a period of six months. At the expiration of six months, there shall be paid in full to the parties of the first part the sum of Three Thousand Dollars ($3,000.00) at which time a good and sufficient deed shall be given to the parties of the second part.

The parties of the second part, their heirs, successors and assigns, may immediately upon the execution hereof, enter in and upon the mining properties hereinbefore described, and work and mine the same and extract the ores therein and sell and treat the same, or the product thereof, during the life of this agreement and so long as the payments herein provided for shall be made, yielding and paying a royalty of ten percent (10%) of the net smelter or mill returns to the parties of the first part, said royalties and above monthly payments to apply upon the purchase price.

It is further agreed that the lessors shall perform necessary work to cover any assessment or notify owners to the contrary in sufficient time for them to perform the work prior to July July 1, 1951.

All work performed upon the mining properties shall be done in a good and workmanlike manner.

The parties of the second part will at all times keep said claims, and the whole thereof, free and clear of liens and encumbrances, and operate the same in accordance with the laws of the State of Nevada, and pay any and all taxes which may be assessed or levied against the property during the life of this agreement, or until termination or release thereof.

This agreement, and all rights of the parties of the second part thereunder, may be assigned, and the parties of the second part reserve the right to work the ground in any manner they see fit.

The parties of the second part may surrender their rights under this agreement at any time upon giving thirty (30) days' notice of their intention so to do, all covenants and agreements on his part to the date of the notice having been fully kept and performed.

Notice shall be given to the parties of the first part by registered mail addressed to them at Reno, Nevada.

The parties of the first part will not forfeit this agreement, or attempt to terminate it, for failure on the part of the parties of the second part of their assigns to perform any of the agreements or covenants herein contained without first giving the parties of the second part thirty (30) days' written notice of default, and the parties of the second part or their assigns shall have said period of time to repair such default. Said notice of default shall be given by addressing the same by registered mail to the parties of the second part at

IN WITNESS WHEREOF, the parties hereto have executed

these presents the day and year first above written.

John Rast

William Rast

Rose Aberasturi
Parties of the First Part

J. W. Mink

Bob Moldren
Parties of the Second Part

WITNESS:
Norman A. Mink "

WHEREAS, the lessors are not in default under said contract of purchase, and the same is in full force and effect and the payment due on or before January 26, 1951 has been paid; that lessors have not assigned said contract or any interest therein and they are the owners of said contract.

WHEREAS, lessors warrant and represent that the owners of the above claims, subject to the above contract, are the following persons: William Rast, John Rast and Rose Aberasturi, herein called Owners, and that said claims are not subject to any lien or encumbrance and are free and clear of all defects and the assessment work for the year July 1, 1949 to July 1, 1950 has been duly made and proof of labor has been duly recorded with the County Recorder of Lander County, Nevada; that there are no intervening rights nor anyone claiming adverse possession or interest in and to said mining claims.

WHEREAS, it is the mutual desire of the parties to enter into this lease,

NOW, THEREFORE, the lessors, for and in consideration of the sum of ONE THOUSAND AND NO/100 DOLLARS ($1,000.00) paid to the lessors, and the rents, royalties and the cov enants and conditions herein expressed, and by the said lessee to be kept and performed, do by these presents grant, demise and let unto the lessee, and the said lessee does hereby hire and take

from the lessors, all of those certain mining claims situated in the Carico Lake Mining District, County of Lander, State of Nevada, and more particularly described as follows:

Blackbird No. 1;
Blackbird No. 2;

The terms, conditions and covenants of said lease are as follows:

(1) TERM. The lease shall be and is commencing with the date of the execution of this lease and ending the 28th day of February, 1961, midnight.

(2) PAYMENTS. The orighal payment of $1,000.00 has been paid to lessors, with the sum of $100.00 of said sum being paid to the above named owners applying on the lessors' contract of purchase. All future payments shall be made by lessee to the Nevada Bank of Commerce, Elko, Nevada, for the account of the lessors and the owners as hereinafter provided; after the owners have been paid in full, then the lessee shall make the payments to said Nevada Bank of Commerce, Elko, Nevada, until otherwise notified by lessors, in writing.

(3) Lessors and lessee shall pay all taxes on ore shipped in the proportion of the amount of payments received by lessors and owners bear to the net profit on ore mined. Lessee shall pay all taxes on personal property or buildings placed on the premises or used in connection with the mining and development of said claims.

(4) RENT AND ROYALTY. Lessee shall pay to said lessors and owners the following sums as advance royalty:

Five hundred dollars ($500.00) on or before March 15, 1951;
Five hundred dollars ($500.00) on or before April 15, 1951;
Five hundred dollars ($500.00) on or before May 15, 1951;
Two-thousand five hundred dollars ($2,500.00) on or before June 15, 1951.

The said payments shall be prorated between the owners and lessors as follows: the monthly payments due owners under said contract of purchase or royalty payments therein mentioned shall first be paid to owners as provided in said contract and the balance to the lessors; that during the above period, the lessee shall pay to the lessors a royalty of $1.00 per ton on all ore shipped from the said leased premises but giving credit to lessee the amount of fifty cents (50¢) per ton for all of the advance royalty payments paid previously by lessee to lessors and owners. In other words, initial payment and monthly payments are guaranteed minimum advance royalty payments and in the event of ore shipped, then advanced royalty payments to the extent of 50¢ per ton shall be deducted from the royalty of $1.00 per ton.

Then commencing with July 15, 1951 to and including January 15, 1952, the lessee shall pay to lessors the sum of $250.00 per month, as guaranteed minimum advance royalty payments, each monthly payment to be on or before the 15th day of each month. The same royalty payment of $1.00 per ton on all ore shipped from the premises with the 50¢ per ton credit on previous advance royalty payments also applying.

Then commencing with February 15, 1952 to and including the balance of the term, the lessee shall pay to lessors the sum of $500.00 per month as guaranteed minimum advance royalty payments, each payment to be made on or before the 15th day of each month. The same conditions shall apply concerning the payment of $1.00 per ton royalty on all ore shipped from the said leased premises with the 50¢ per ton credit on previous advance royalty payments also applying.

PROVIDED, HOWEVER, if the net profit to lessee shall

be less than $2.00 per ton on any ore shipped from the said leased premises, then the said royalty payment shall be seventy-five cents (75¢) per ton on such ore, with the credit of 50¢ per ton on previous advance royalty payments made by lessee to lessors. The net profit shall include the following costs and expenses of lessee:

Wages, employers share of S.S., unemployment taxes, industrial insurance, supplies, powder, small tools and equipment not usually depreciated, gas, oil, repairs and maintenance of equipment, shipping charged (which includes trucking or hauling), mill charges or smelter charges, cost of trucking supplies, tools and equipment to the premises.

The above expenses shall also include managerial salary and traveling expenses concerning the mining operations, but shall not include salaries of corporate officers or board of directors or allowance for depreciation on buildings, equipment and machinery or business fixtures of the type that are usually depreciated under Federal Income Taxes.

(5) The lessee shall provide lessor with monthly statements from the smelter or other place where the ore is shipped or sold, showing the price received for the same and the amount of ore so shipped from the leased premises. The said statements shall be furnished to lessors in care of said Nevada Bank of Commerce on or before the 15th day of the month following the shipment of ore and settlement for the same shall be made by lessee on or before the 10th day of the following month. Lessee reserves the right to require that all ore shipped from the premises shall go through Beowawe or other agreed point, and there weighed by a disinterested weight

master, but at the cost of the lessors.

(6) In the event that oil, gas or petroleum is discovered on the premises, then lessee shall pay to the lessors a royalty of 12½% of all oil, gas or petroleum that is placed into tanks or storage containers or pipe lines. The value of such oil, gas or other petroleum products shall be the value at the time of delivery into the tanks, storage containers or pipe line.

(7) The lessee has the exclusive right to go upon the leased property at any time and prospect for or mine any minerals or oil or petroleum. The lessee shall exercise ordinary care to timber any tunnels while the same are in operation. Lessee has the right to ship all minerals found on the said leased premises or to transport the oil, gas or petroleum found on the premises. The word "ship" or "transport" shall include hauling or other means of conveyance. All shipments or transportation being subject to the payments and royalties provided in the lease.

(8) The lessee shall pay its own costs of prospecting for, mining of or extracting from said ore, including all labor, utilities, supplies, equipment, machinery and buildings, shall keep all men insured underthe Nevada Industrial Insurance Act, comply with all Federal and State Laws concerning social security or unemployment insurance and laws. Lessee shall have the right to use any buildings, water or appurtenances on the premises and all ways or roads of lessors, but all repairs and maintenance of the same being that of lessee.

(9) Lessors have the right to sign Notice of Ownership and non-liability of owners for liens, work or material furnished to the premises, post the same on the property and record the same and the lessee shall allow the said copy at

all times to remain posted on the leased premises.

(10) Lessee shall annually on or before June 15 of each year complete all necessary assessment work or labor to hold the said mining claims and file a proof of labor with the County Recorder of Lander County, Nevada and furnish the lessors with a copy thereof.

(11) The lessees shall at all times comply with all federal, state, county and municipal laws.

(12) The lessors or their agents shall have the right at any time to inspect the premises or lessee's records of ore or petroleum shipments and if the net profit is claimed to fall below the $2.00 per ton to inspect all records of lessee during such shipments to ascertain the net profit.

(13) The lessors hereby warrant that lessors are entitled to the possession of said premises and have the right to grant this lease, and the lessee, performing the terms of this lease, shall have the right to the peaceful possession of said property, which peaceful possession the lessors shall protect and defend against all claims other than caused by lessee or growing out of lessee's acts. The lessee shall not permit any liens to attach to the saidproperty.

(14) Lessee may sublet the premises or assign this lease, but lessee shall be and remain liable on the lease and the covenants herein required of lessee. Provided, however, the lease shall not be assigned or the premises sublet to any receiver or trustee in bankruptcy nor attached nor execution levied thereon, in which event or any of said events this lease shall immediately without notice come to an end, at the option of the lessors, and lessors shall have the right to immediately take possession of the premises and retain all payments as liquidated damages or royalty.

(15) Upon any other breach other than set forth in paragraph (14) of this lease, the lessors shall give written notice to lessee, specifying with reasonable certainty, the breach or claimed default. The lessee shall within 30 days after receipt of said notice correct said alleged default or breach. If the said breach or default shall not be corrected within said 30 day period, then the lessors shall have a right to damages for said breach or default and without further notice at the option of lessors terminate this lease.

(16) The lessee shall have the right at any time to cancel this lease by giving written notice to lessors of such cancellation. The cancellation of the lease to take effect 30 days after the said written notice and lessee's removal from the leased premises.

(17) Any notice given to lessors shall be in writing and may be personally served on either of the lessors or sent by registered mail addressed to lessors in care of the Nevada Bank of Commerce, Elko, Nevada. The notice being deemed complete upon the date of the service of notice or the receipt by the Nevada Bank of Commerce of said notice.

(18) Any notice given to lessee shall be in writing and may be served personally on the manager of the lessee at the premises, or any officer of the defendant, or its resident agent of the State of Nevada or Idaho, or by mailing by registered mail addressed to defendant at its principal place of business in the State of Idaho. The notice being deemed complete upon the date of the service of notice or thereceipt by the defendant of said notice.

(19) The lessee shall have the right to place any equipment, machinery, building, fixtures or other property on the premises, but any such property shall not be deemed to be

attached to the land or premises or to become a part thereof but shall remain the property of the lessee and the lessee shall have the right to remove the said property on or before 90 days after the termination or cancellation of this lease or the expiration of the term of this lease.

(20) The singular shall include the plural, and this lease shall be binding upon and inure to the benefit of the lessors' heirs, executors, administrators or assigns, and the lessee's successors or assigns. The lessors have entered into this agreement as tenants in common, in equal shares, and jointly and severally.

(21) Lessee shall at the end of this lease, leave the premises cleaned of all debris or other matters that might interfere with mining of ore from the premises.

(22) In the event of any lawsuit or legal action by either party against the other party, then any judgment awarded in favor of either party shall include not only costs but a reasonable allowance for the attorney fees of the prevailing party.

IN WITNESS WHEREOF, the lessors have hereunto set their hands and the lessee has executed these presents on behalf of said corporation by the officer designated, who has been duly authorized by said corporation to execute this on behalf of said corporation.

J. Monick

Bob Hodson

LESSORS

GOLDEN CENTURY INDUSTRIES, INCORPORATED, A CORPORATION

By K. L. Stokes

Its President

STATE OF NEVALA)
SS
COUNTY OF ELKO)

On this 24th day of February, 1951, personally appeared before me, a Notary Public in and for the County of Elko, BOB HOLDREN, also known as ROBERT HOLDREN, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Elko, the day and year in this certificate first above written.

George F. Wright
NOTARY PUBLIC

STATE OF NEVADA)
SS
COUNTY OF WASHOE)S

On this 27th day of FEBRUARY, 1951, personally appeared before me, a Notary Public in and for the County of Washoe, J.W. MINK, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe, the day and year in this certificate first above written.

Geo. W. Lockey
NOTARY PUBLIC

STATE OF NEVADA,)
SS
COUNTY OF ELKO.)

On this 24th day of February, 1951, personally appeared before me, a Notary Public in and for said County, K. L. STOKER known to me to be the President of the corporation that executed the foregoing instrument, and upon oath did depose that he is the office of said corporation as above indicated; that he is acquainted with the seal of said corporation and that the seal affixed to said instrument is the corporate seal of said corporation; that the signature to said instrument was made by officer of said corporation as indicated after said signature; and that the said corporation executed the said instrument freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal at my office in said County, the day and year in this certificate first above written.

George F. Wright
NOTARY PUBLIC

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

L E A S E

THIS LEASE, made the 24th day of February, 1951, by and between J. W. MINK and BOB HOLDREN, also known as ROBERT HOLDREN, of Elko, Nevada, the parties of the first part, hereinafter called the Lessors, and GOLDEN CENTURY INDUSTRIES, Incorporated, a corporation organized under the laws of the State of Idaho, party of the second part, hereinafter called the Lessee,

W I T N E S S E T H :

WHEREAS, the lessors are, and represent themselves to be, the purchasers of those certain Mining Claims situated in the County of Lander, State of Nevada, in the Carico Lake Mining District and more particularly known as Blackbird No. 1 and Blackbird No. 2, which said contract of purchase is as follows:

"THIS AGREEMENT, made and entered into this 26 day of December, 1950, by and between WILLIAM RAST and JOHN RAST and ROSE ABERASTURI of 527 California Avenue, Reno, Nevada, parties of the first part, and J. W. MINK and BOB HOLDREN of Elko, Nevada, parties of the second part,

W I T N E S S E T H :

The parties of the first part, for and in consideration of the sum of One Dollar ($1.00), to them in hand paid, the receipt whereof is hereby acknowledged, do hereby agree to sell and convey to the parties of the second part by good and sufficient deeds the following described mining claims and property, to-wit:

Blackbird No. 1
Blackbird No. 2

mining claims located in Lander County, Nevada, called the Carico Lake Mining District.

The total sum and purchase price to be paid therefor being the sum of Three Thousand Dollars ($3,000.00) payable as follows:

One Hundred Dollars ($100.00) per month on the 26 of each and every calendar month, commencing January 26, 1951, such payments to be made equally to parties of the first

NOTE: All terms of the lease as herein called for have been complied with. All advance royalty payments are up-to-date.

part, being Thirty Three Dollars and Thirty Three Cents to each of the parties of the first part, per month, for a period of six months. At the expiration of six months, there shall be paid in full to the parties of the first part the sum of Three Thousand Dollars ($3,000.00) at which time a good and sufficient deed shall be given to the parties of the second part.

The parties of the second part, their heirs, successors and assigns, may immediately upon the execution hereof, enter in and upon the mining properties hereinbefore described, and work and mine the same and extract the ores therein and sell and treat the same, or the product thereof, during the life of this agreement and so long as the payments herein provided for shall be made, yielding and paying a royalty of ten percent (10%) of the net smelter or mill returns to the parties of the first part, said royalties and above monthly payments to apply upon the purchase price.

It is further agreed that the lessors shall perform necessary work to cover any assessment or notify owners to the contrary in sufficient time for them to perform the work prior to July July 1, 1951.

All work performed upon the mining properties shall be done in a good and workmanlike manner.

The parties of the second part will at all times keep said claims, and the whole thereof, free and clear of liens and encumbrances, and operate the same in accordance with the laws of the State of Nevada, and pay any and all taxes which may be assessed or levied against the property during the life of this agreement, or until termination or release thereof.

This agreement, and all rights of the parties of the second part thereunder, may be assigned, and the parties of the second part reserve the right to work the ground in any manner they see fit.

The parties of the second part may surrender their rights under this agreement at any time upon giving thirty (30) days' notice of their intention so to do, all covenants and agreements on his part to the date of the notice having been fully kept and performed.

Notice shall be given to the parties of the first part by registered mail addressed to them at Reno, Nevada.

The parties of the first part will not forfeit this agreement, or attempt to terminate it, for failure on the part of the parties of the second part of their assigns to perform any of the agreements or covenants herein contained without first giving the parties of the second part thirty (30) days' written notice of default, and the parties of the second part or their assigns shall have said period of time to repair such default. Said notice of default shall be given by addressing the same by registered mail to the parties of the second part at

IN WITNESS WHEREOF, the parties hereto have executed

these presents the day and year first above written.

John Rast

William Rast

Rose Aberasturi
Parties of the First Part

J. W. Mink

Bob Holdren
Parties of the Second Part

WITNESS:
Norman A. Mink "

WHEREAS, the lessors are not in default under said contract of purchase, and the same is in full force and effect and the payment due on or before January 26, 1951 has been paid; that lessors have not assigned said contract or any interest therein and they are the owners of said contract.

WHEREAS, lessors warrant and represent that the owners of the above claims, subject to the above contract, are the following persons: William Rast, John Rast and Rose Aberasturi, herein called Owners, and that said claims are not subject to any lien or encumbrance and are free and clear of all defects and the assessment work for the year July 1, 1949 to July 1, 1950 has been duly made and proof of labor has been duly recorded with the County Recorder of Lander County, Nevada; that there are no intervening rights nor anyone claiming adverse possession or interest in and to said mining claims.

WHEREAS, it is the mutual desire of the parties to enter into this lease,

NOW, THEREFORE, the lessors, for and in consideration of the sum of ONE THOUSAND AND NO/100 DOLLARS ($1,000.00) paid to the lessors, and the rents, royalties and the cov enants and conditions herein expressed, and by the said lessee to be kept and performed, do by these presents grant, demise and let unto the lessee, and the said lessee does hereby hire and take

from the lessors, all of those certain mining claims situated in the Carico Lake Mining District, County of Lander, State of Nevada, and more particularly described as follows:

Blackbird No. 1;
Blackbird No. 2;

The terms, conditions and covenants of said lease are as follows:

(1) TERM. The lease shall be and is commencing with the date of the execution of this lease and ending the 28th day of February, 1961, midnight.

(2) PAYMENTS. The original payment of $1,000.00 has been paid to lessors, with the sum of $100.00 of said sum being paid to the above named owners applying on the lessors' contract of purchase. All future payments shall be made by lessee to the Nevada Bank of Commerce, Elko, Nevada, for the account of the lessors and the owners as hereinafter provided; after the owners have been paid in full, then the lessee shall make the payments to said Nevada Bank of Commerce, Elko, Nevada, until otherwise notified by lessors, in writing.

(3) Lessors and lessee shall pay all taxes on ore shipped in the proportion of the amount of payments received by lessors and owners bear to the net profit on ore mined. Lessee shall pay all taxes on personal property or buildings placed on the premises or used in connection with the mining and development of said claims.

(4) RENT AND ROYALTY. Lessee shall pay to said lessors and owners the following sums as advance royalty:

Five hundred dollars ($500.00) on or before March 15, 1951;
Five hundred dollars ($500.00) on or before April 15, 1951;
Five hundred dollars ($500.00) on or before May 15, 1951;
Two-thousand five hundred dollars ($2,500.00) on or before June 15, 1951.

The said payments shall be prorated between the owners and lessors as follows: the monthly payments due owners under said contract of purchase or royalty payments therein mentioned shall first be paid to owners as provided in said contract and the balance to the lessors; that during the above period, the lessee shall pay to the lessors a royalty of $1.00 per ton on all ore shipped from the said leased premises but giving credit to lessee the amount of fifty cents (50¢) per ton for all of the advance royalty payments paid previously by lessee to lessors and owners. In other words, initial payment and monthly payments are guaranteed minimum advance royalty payments and in the event of ore shipped, then advanced royalty payments to the extent of 50¢ per ton shall be deducted from the royalty of $1.00 per ton.

Then commencing with July 15, 1951 to and including January 15, 1952, the lessee shall pay to lessors the sum of $250.00 per month, as guaranteed minimum advance royalty payments, each monthly payment to be on or before the 15th day of each month. The same royalty payment of $1.00 per ton on all ore shipped from the premises with the 50¢ per ton credit on previous advance royalty payments also applying.

Then commencing with February 15, 1952 to and including the balance of the term, the lessee shall pay to lessors the sum of $500.00 per month as guaranteed minimum advance royalty payments, each payment to be made on or before the 15th day of each month. The same conditions shall apply concerning the payment of $1.00 per ton royalty on all ore shipped from the said leased premises with the 50¢ per ton credit on previous advance royalty payments also applying.

PROVIDED, HOWEVER, if the net profit to lessee shall

be less than $2.00 per ton on any ore shipped from the said leased premises, then the said royalty payment shall be seventy-five cents (75¢) per ton on such ore, with the credit of 50¢ per ton on previous advance royalty payments made by lessee to lessors. The net profit shall include the following costs and expenses of lessee:

Wages, employers share of S.S., unemployment taxes, industrial insurance, supplies, powder, small tools and equipment not usually depreciated, gas, oil, repairs and maintenance of equipment, shipping charged (which includes trucking or hauling), mill charges or smelter charges, cost of trucking supplies, tools and equipment to the premises.

The above expenses shall also include managerial salary and traveling expenses concerning the mining operations, but shall not include salaries of corporate officers or board of directors or allowance for depreciation on buildings, equipment and machinery or business fixtures of the type that are usually depreciated under Federal Income Taxes.

(5) The lessee shall provide lessor with monthly statements from the smelter or other place where the ore is shipped or sold, showing the price received for the same and the amount of ore so shipped from the leased premises. The said statements shall be furnished to lessors in care of said Nevada Bank of Commerce on or before the 15th day of the month following the shipment of ore and settlement for the same shall be made by lessee on or before the 10th day of the following month. Lessee reserves the right to require that all ore shipped from the premises shall go through Beowawe or other agreed point, and there weighed by a disinterested weight

master, but at the cost of the lessors.

(6) In the event that oil, gas or petroleum is discovered on the premises, then lessee shall pay to the lessors a royalty of 12½% of all oil, gas or petroleum that is placed into tanks or storage containers or pipe lines. The value of such oil, gas or other petroleum products shall be the value at the time of delivery into the tanks, storage containers or pipe line.

(7) The lessee has the exclusive right to go upon the leased property at any time and prospect for or mine any minerals or oil or petroleum. The lessee shall exercise ordinary care to timber any tunnels while the same are in operation. Lessee has the right to ship all minerals found on the said leased premises or to transport the oil, gas or petroleum found on the premises. The word "ship" or "transport" shall include hauling or other means of conveyance. All shipments or transportation being subject to the payments and royalties provided in the lease.

(8) The lessee shall pay its own costs of prospecting for, mining of or extracting from said ore, including all labor, utilities, supplies, equipment, machinery and buildings, shall keep all men insured underthe Nevada Industrial Insurance Act, comply with all Federal and State Laws concerning social security or unemployment insurance and laws. Lessee shall have the right to use any buildings, water or appurtenances on the premises and all ways or roads of lessors, but all repairs and maintenance of the same being that of lessee.

(9) Lessors have the right to sign Notice of Ownership and non-liability of owners for liens, work or material furnished to the premises, post the same on the property and record the same and the lessee shall allow the said copy at

all times to remain posted on the leased premises.

(10) Lessee shall annually on or before June 15 of each year complete all necessary assessment work or labor to hold the said mining claims and file a proof of labor with the County Recorder of Lander County, Nevada and furnish the lessors with a copy thereof.

(11) The lessees shall at all times comply with all federal, state, county and municipal laws.

(12) The lessors or their agents shall have the right at any time to inspect the premises or lessee's records of ore or petroleum shipments and if the net profit is claimed to fall below the $2.00 per ton to inspect all records of lessee during such shipments to ascertain the net profit.

(13) The lessors hereby warrant that lessors are entitled to the possession of said premises and have the right to grant this lease, and the lessee, performing the terms of this lease, shall have the right to the peaceful possession of said property, which peaceful possession the lessors shall protect and defend against all claims other than caused by lessee or growing out of lessee's acts. The lessee shall not permit any liens to attach to the saidproperty.

(14) Lessee may sublet the premises or assign this lease, but lessee shall be and remain liable on the lease and the covenants herein required of lessee. Provided, however, the lease shall not be assigned or the premises sublet to any receiver or trustee in bankruptcy nor attached nor execution levied thereon, in which event or any of said events this lease shall immediately without notice come to an end, at the option of the lessors, and lessors shall have the right to immediately take possession of the premises and retain all payments as liquidated damages or royalty.

(15) Upon any other breach other than set forth in paragraph (14) of this lease, the lessors shall give written notice to lessee, specifying with reasonable certainty, the breach or claimed default. The lessee shall within 30 days after receipt of said notice correct said alleged default or breach. If the said breach or default shall not be corrected within said 30 day period, then the lessors shall have a right to damages for said breach or default and without further notice at the option of lessors terminate this lease.

(16) The lessee shall have the right at any time to cancel this lease by giving written notice to lessors of such cancellation. The cancellation of the lease to take effect 30 days after the said written notice and lessee's removal from the leased premises.

(17) Any notice given to lessors shall be in writing and may be personally served on either of the lessors or sent by registered mail addressed to lessors in care of the Nevada Bank of Commerce, Elko, Nevada. The notice being deemed complete upon the date of the service of notice or the receipt by the Nevada Bank of Commerce of said notice.

(18) Any notice given to lessee shall be in writing and may be served personally on the manager of the lessee at the premises, or any officer of the defendant, or its resident agent of the State of Nevada or Idaho, or by mailing by registered mail addressed to defendant at its principal place of business in the State of Idaho. The notice being deemed complete upon the date of the service of notice or thereceipt by the defendant of said notice.

(19) The lessee shall have the right to place any equipment, machinery, building, fixtures or other property on the premises, but any such property shall not be deemed to be

attached to the land or premises or to become a part thereof but shall remain the property of the lessee and the lessee shall have the right to remove the said property on or before 90 days after the termination or cancellation of this lease or the expiration of the term of this lease.

(20) The singular shall include the plural, and this lease shall be binding upon and inure to the benefit of the lessors' heirs, executors, administrators or assigns, and the lessee's successors or assigns. The lessors have entered into this agreement as tenants in common, in equal shares, and jointly and severally.

(21) Lessee shall at the end of this lease, leave the premises cleaned of all debris or other matters that might interfere with mining of ore from the premises.

(22) In the event of any lawsuit or legal action by either party against the other party, then any judgment awarded in favor of either party shall include not only costs but a reasonable allowance for the attorney fees of the prevailing party.

IN WITNESS WHEREOF, the lessors have hereunto set their hands and the lessee has executed these presents on behalf of said corporation by the officer designated, who has been duly authorized by said corporation to execute this on behalf of said corporation.

J. Monich

Bob Hodson

LESSORS

GOLDEN CENTURY INDUSTRIES, INCORPORATED, A CORPORATION

By K. L. Stoker

Its President

STATE OF NEVALA)
SS
COUNTY OF ELKO)

On this 24th day of February, 1951, personally appeared before me, a Notary Public in and for the County of Elko, BOB HOLDREN, also known as ROBERT HOLDREN, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Elko, the day and year in this certificate first above written.

George F. Wright
NOTARY PUBLIC

STATE OF NEVADA)
SS
COUNTY OF WASHOE)S

On this 27th day of FEBRUARY, 1951, personally appeared before me, a Notary Public in and for the County of Washoe, J.W. MINK, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe, the day and year in this certificate first above written.

Geo. W. Lockey
NOTARY PUBLIC

STATE OF NEVADA,)
SS
COUNTY OF ELKO.)

On this 24th day of February, 1951, personally appeared before me, a Notary Public in and for said County, K. L. STOKER known to me to be the President of the corporation that executed the foregoing instrument, and upon oath did depose that he is the office of said corporation as above indicated; that he is acquainted with the seal of said corporation and that the seal affixed to said instrument is the corporate seal of said corporation; that the signature to said instrument was made by officer of said corporation as indicated after said signature; and that the said corporation executed the said instrument freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal at my office in said County, the day and year in this certificate first above written.

George F. Wright
NOTARY PUBLIC

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

OCT 12 1951

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

L E A S E

THIS LEASE, made the 24th day of February, 1951, by and between J. W. MINK and BOB HOLDREN, also known as ROBERT HOLDREN, of Elko, Nevada, the parties of the first part, hereinafter called the Lessors, and GOLDEN CENTURY INDUSTRIES, Incorporated, a corporation organized under the laws of the State of Idaho, party of the second part, hereinafter called the Lessee,

W I T N E S S E T H :

WHEREAS, the lessors are, and represent themselves to be, the purchasers of those certain Mining Claims situated in the County of Lander, State of Nevada, in the Carico Lake Mining District and more particularly known as Blackbird No. 1 and Blackbird No. 2, which said contract of purchase is as follows:

"THIS AGREEMENT, made and entered into this 26 day of December, 1950, by and between WILLIAM RAST and JOHN RAST and ROSE ABERASTURI of 527 California Avenue, Reno, Nevada, parties of the first part, and J. W. MINK and BOB HOLDREN of Elko, Nevada, parties of the second part,

W I T N E S S E T H :

The parties of the first part, for and in consideration of the sum of One Dollar ($1.00), to them in hand paid, the receipt whereof is hereby acknowledged, do hereby agree to sell and convey to the parties of the second part by good and sufficient deeds the following described mining claims and property, to-wit:

Blackbird No. 1
Blackbird No. 2

mining claims located in Lander County, Nevada, called the Carico Lake Mining District.

The total sum and purchase price to be paid therefor being the sum of Three Thousand Dollars ($3,000.00) payable as follows:

One Hundred Dollars ($100.00) per month on the 26 of each and every calendar month, commencing January 26, 1951, such payments to be made equally to parties of the first

NOTE: All terms of the lease as herein called for have been complied with. All advance royalty payments are up-to-date.

part, being Thirty Three Dollars and Thirty Three Cents to each of the parties of the first part, per month, for a period of six months. At the expiration of six months, there shall be paid in full to the parties of the first part the sum of Three Thousand Dollars ($3,000.00) at which time a good and sufficient deed shall be given to the parties of the second part.

The parties of the second part, their heirs, successors and assigns, may immediately upon the execution hereof, enter in and upon the mining properties hereinbefore described, and work and mine the same and extract the ores therein and sell and treat the same, or the product thereof, during the life of this agreement and so long as the payments herein provided for shall be made, yielding and paying a royalty of ten percent (10%) of the net smelter or mill returns to the parties of the first part, said royalties and above monthly payments to apply upon the purchase price.

It is further agreed that the lessors shall perform necessary work to cover any assessment or notify owners to the contrary in sufficient time for them to perform the work prior to July July 1, 1951.

All work performed upon the mining properties shall be done in a good and workmanlike manner.

The parties of the second part will at all times keep said claims, and the whole thereof, free and clear of liens and encumbrances, and operate the same in accordance with the laws of the State of Nevada, and pay any and all taxes which may be assessed or levied against the property during the life of this agreement, or until termination or release thereof.

This agreement, and all rights of the parties of the second part thereunder, may be assigned, and the parties of the second part reserve the right to work the ground in any manner they see fit.

The parties of the second part may surrender their rights under this agreement at any time upon giving thirty (30) days' notice of their intention so to do, all covenants and agreements on his part to the date of the notice having been fully kept and performed.

Notice shall be given to the parties of the first part by registered mail addressed to them at Reno, Nevada.

The parties of the first part will not forfeit this agreement, or attempt to terminate it, for failure on the part of the parties of the second part of their assigns to perform any of the agreements or covenants herein contained without first giving the parties of the second part thirty (30) days' written notice of default, and the parties of the second part or their assigns shall have said period of time to repair such default. Said notice of default shall be given by addressing the same by registered mail to the parties of the second part at

IN WITNESS WHEREOF, the parties hereto have executed

these presents the day and year first above written.

John Rast

William Rast

Rose Aberasturi
Parties of the First Part

J. W. Mink

Bob Holdren
Parties of the Second Part

WITNESS:
Norman A. Mink "

WHEREAS, the lessors are not in default under said contract of purchase, and the same is in full force and effect and the payment due on or before January 26, 1951 has been paid; that lessors have not assigned said contract or any interest therein and they are the owners of said contract.

WHEREAS, lessors warrant and represent that the owners of the above claims, subject to the above contract, are the following persons: William Rast, John Rast and Rose Aberasturi, herein called Owners, and that said claims are not subject to any lien or encumbrance and are free and clear of all defects and the assessment work for the year July 1, 1949 to July 1, 1950 has been duly made and proof of labor has been duly recorded with the County Recorder of Lander County, Nevada; that there are no intervening rights nor anyone claiming adverse possession or interest in and to said mining claims.

WHEREAS, it is the mutual desire of the parties to enter into this lease,

NOW, THEREFORE, the lessors, for and in consideration of the sum of ONE THOUSAND AND NO/100 DOLLARS ($1,000.00) paid to the lessors, and the rents, royalties and the cov enants and conditions herein expressed, and by the said lessee to be kept and performed, do by these presents grant, demise and let unto the lessee, and the said lessee does hereby hire and take

from the lessors, all of those certain mining claims situated in the Carico Lake Mining District, County of Lander, State of Nevada, and more particularly described as follows:

Blackbird No. 1;
Blackbird No. 2;

The terms, conditions and covenants of said lease are as follows:

(1) TERM. The lease shall be and is commencing with the date of the execution of this lease and ending the 28th day of February, 1961, midnight.

(2) PAYMENTS. The original payment of $1,000.00 has been paid to lessors, with the sum of $100.00 of said sum being paid to the above named owners applying on the lessors' contract of purchase. All future payments shall be made by lessee to the Nevada Bank of Commerce, Elko, Nevada, for the account of the lessors and the owners as hereinafter provided; after the owners have been paid in full, then the lessee shall make the payments to said Nevada Bank of Commerce, Elko, Nevada, until otherwise notified by lessors, in writing.

(3) Lessors and lessee shall pay all taxes on ore shipped in the proportion of the amount of payments received by lessors and owners bear to the net profit on ore mined. Lessee shall pay all taxes on personal property or buildings placed on the premises or used in connection with the mining and development of said claims.

(4) RENT AND ROYALTY. Lessee shall pay to said lessors and owners the following sums as advance royalty:

Five hundred dollars ($500.00) on or before March 15, 1951;
Five hundred dollars ($500.00) on or before April 15, 1951;
Five hundred dollars ($500.00) on or before May 15, 1951;
Two-thousand five hundred dollars ($2,500.00) on or before June 15, 1951.

The said payments shall be prorated between the owners and lessors as follows: the monthly payments due owners under said contract of purchase or royalty payments therein mentioned shall first be paid to owners as provided in said contract and the balance to the lessors; that during the above period, the lessee shall pay to the lessors a royalty of $1.00 per ton on all ore shipped from the said leased premises but giving credit to lessee the amount of fifty cents (50¢) per ton for all of the advance royalty payments paid previously by lessee to lessors and owners. In other words, initial payment and monthly payments are guaranteed minimum advance royalty payments and in the event of ore shipped, then advanced royalty payments to the extent of 50¢ per ton shall be deducted from the royalty of $1.00 per ton.

Then commencing with July 15, 1951 to and including January 15, 1952, the lessee shall pay to lessors the sum of $250.00 per month, as guaranteed minimum advance royalty payments, each monthly payment to be on or before the 15th day of each month. The same royalty payment of $1.00 per ton on all ore shipped from the premises with the 50¢ per ton credit on previous advance royalty payments also applying.

Then commencing with February 15, 1952 to and including the balance of the term, the lessee shall pay to lessors the sum of $500.00 per month as guaranteed minimum advance royalty payments, each payment to be made on or before the 15th day of each month. The same conditions shall apply concerning the payment of $1.00 per ton royalty on all ore shipped from the said leased premises with the 50¢ per ton credit on previous advance royalty payments also applying.

PROVIDED, HOWEVER, if the net profit to lessee shall

be less than $2.00 per ton on any ore shipped from the said leased premises, then the said royalty payment shall be seventy-five cents (75¢) per ton on such ore, with the credit of 50¢ per ton on previous advance royalty payments made by lessee to lessors. The net profit shall include the following costs and expenses of lessee:

Wages, employers share of S.S., unemployment taxes, industrial insurance, supplies, powder, small tools and equipment not usually depreciated, gas, oil, repairs and maintenance of equipment, shipping charged (which includes trucking or hauling), mill charges or smelter charges, cost of trucking supplies, tools and equipment to the premises.

The above expenses shall also include managerial salary and traveling expenses concerning the mining operations, but shall not include salaries of corporate officers or board of directors or allowance for depreciation on buildings, equipment and machinery or business fixtures of the type that are usually depreciated under Federal Income Taxes.

(5) The lessee shall provide lessor with monthly statements from the smelter or other place where the ore is shipped or sold, showing the price received for the same and the amount of ore so shipped from the leased premises. The said statements shall be furnished to lessors in care of said Nevada Bank of Commerce on or before the 15th day of the month following the shipment of ore and settlement for the same shall be made by lessee on or before the 10th day of the following month. Lessee reserves the right to require that all ore shipped from the premises shall go through Beowawe or other agreed point, and there weighed by a disinterested weight

master, but at the cost of the lessors.

(6) In the event that oil, gas or petroleum is discovered on the premises, then lessee shall pay to the lessors a royalty of 12½% of all oil, gas or petroleum that is placed into tanks or storage containers or pipe lines. The value of such oil, gas or other petroleum products shall be the value at the time of delivery into the tanks, storage containers or pipe line.

(7) The lessee has the exclusive right to go upon the leased property at any time and prospect for or mine any minerals or oil or petroleum. The lessee shall exercise ordinary care to timber any tunnels while the same are in operation. Lessee has the right to ship all minerals found on the said leased premises or to transport the oil, gas or petroleum found on the premises. The word "ship" or "transport" shall include hauling or other means of conveyance. All shipments or transportation being subject to the payments and royalties provided in the lease.

(8) The lessee shall pay its own costs of prospecting for, mining of or extracting from said ore, including all labor, utilities, supplies, equipment, machinery and buildings, shall keep all men insured underthe Nevada Industrial Insurance Act, comply with all Federal and State Laws concerning social security or unemployment insurance and laws. Lessee shall have the right to use any buildings, water or appurtenances on the premises and all ways or roads of lessors, but all repairs and maintenance of the same being that of lessee.

(9) Lessors have the right to sign Notice of Ownership and non-liability of owners for liens, work or material furnished to the premises, post the same on the property and record the same and the lessee shall allow the said copy at

all times to remain posted on the leased premises.

(10) Lessee shall annually on or before June 15 of each year complete all necessary assessment work or labor to hold the said mining claims and file a proof of labor with the County Recorder of Lander County, Nevada and furnish the lessors with a copy thereof.

(11) The lessees shall at all times comply with all federal, state, county and municipal laws.

(12) The lessors or their agents shall have the right at any time to inspect the premises or lessee's records of ore or petroleum shipments and if the net profit is claimed to fall below the $2.00 per ton to inspect all records of lessee during such shipments to ascertain the net profit.

(13) The lessors hereby warrant that lessors are entitled to the possession of said premises and have the right to grant this lease, and the lessee, performing the terms of this lease, shall have the right to the peaceful possession of said property, which peaceful possession the lessors shall protect and defend against all claims other than caused by lessee or growing out of lessee's acts. The lessee shall not permit any liens to attach to the saidproperty.

(14) Lessee may sublet the premises or assign this lease, but lessee shall be and remain liable on the lease and the covenants herein required of lessee. Provided, however, the lease shall not be assigned or the premises sublet to any receiver or trustee in bankruptcy nor attached nor execution levied thereon, in which event or any of said events this lease shall immediately without notice come to an end, at the option of the lessors, and lessors shall have the right to immediately take possession of the premises and retain all payments as liquidated damages or royalty.

(15) Upon any other breach other than set forth in paragraph (14) of this lease, the lessors shall give written notice to lessee, specifying with reasonable certainty, the breach or claimed default. The lessee shall within 30 days after receipt of said notice correct said alleged default or breach. If the said breach or default shall not be corrected within said 30 day period, then the lessors shall have a right to damages for said breach or default and without further notice at the option of lessors terminate this lease.

(16) The lessee shall have the right at any time to cancel this lease by giving written notice to lessors of such cancellation. The cancellation of the lease to take effect 30 days after the said written notice and lessee's removal from the leased premises.

(17) Any notice given to lessors shall be in writing and may be personally served on either of the lessors or sent by registered mail addressed to lessors in care of the Nevada Bank of Commerce, Elko, Nevada. The notice being deemed complete upon the date of the service of notice or the receipt by the Nevada Bank of Commerce of said notice.

(18) Any notice given to lessee shall be in writing and may be served personally on the manager of the lessee at the premises, or any officer of the defendant, or its resident agent of the State of Nevada or Idaho, or by mailing by registered mail addressed to defendant at its principal place of business in the State of Idaho. The notice being deemed complete upon the date of the service of notice or thereceipt by the defendant of said notice.

(19) The lessee shall have the right to place any equipment, machinery, building, fixtures or other property on the premises, but any such property shall not be deemed to be

attached to the land or premises or to become a part thereof but shall remain the property of the lessee and the lessee shall have the right to remove the said property on or before 90 days after the termination or cancellation of this lease or the expiration of the term of this lease.

(20) The singular shall include the plural, and this lease shall be binding upon and inure to the benefit of the lessors' heirs, executors, administrators or assigns, and the lessee's successors or assigns. The lessors have entered into this agreement as tenants in common, in equal shares, and jointly and severally.

(21) Lessee shall at the end of this lease, leave the premises cleaned of all debris or other matters that might interfere with mining of ore from the premises.

(22) In the event of any lawsuit or legal action by either party against the other party, then any judgment awarded in favor of either party shall include not only costs but a reasonable allowance for the attorney fees of the prevailing party.

IN WITNESS WHEREOF, the lessors have hereunto set their hands and the lessee has executed these presents on behalf of said corporation by the officer designated, who has been duly authorized by said corporation to execute this on behalf of said corporation.

J. Monick

Bob Hodson

LESSORS

GOLDEN CENTURY INDUSTRIES, INCORPORATED, A CORPORATION

By K. R. Stokes

Its President

STATE OF NEVALA)
SS
COUNTY OF ELKO)

On this 24th day of February, 1951, personally appeared before me, a Notary Public in and for the County of Elko, BOB HOLDREN, also known as ROBERT HOLDREN, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Elko, the day and year in this certificate first above written.

George F. Wright
NOTARY PUBLIC

STATE OF NEVADA)
SS
COUNTY OF WASHOE)S

On this 27th day of FEBRUARY, 1951, personally appeared before me, a Notary Public in and for the County of Washoe, J.W. MINK, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe, the day and year in this certificate first above written.

Geo. W. Lodwick
NOTARY PUBLIC

STATE OF NEVADA,)
SS
COUNTY OF ELKO.)

On this 24th day of February, 1951, personally appeared before me, a Notary Public in and for said County, K. L. STOKER known to me to be the President of the corporation that executed the foregoing instrument, and upon oath did depose that he is the office of said corporation as above indicated; that he is acquainted with the seal of said corporation and that the seal affixed to said instrument is the corporate seal of said corporation; that the signature to said instrument was made by officer of said corporation as indicated after said signature; and that the said corporation executed the said instrument freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal at my office in said County, the day and year in this certificate first above written.

George F. Wright
NOTARY PUBLIC

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

OCT 12 1951

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

L E A S E

THIS LEASE, made the 24th day of February, 1951, by and between J. W. MINK and BOB HOLDREN, also known as ROBERT HOLDREN, of Elko, Nevada, the parties of the first part, hereinafter called the Lessors, and GOLDEN CENTURY INDUSTRIES, Incorporated, a corporation organized under the laws of the State of Idaho, party of the second part, hereinafter called the Lessee,

W I T N E S S E T H :

WHEREAS, the lessors are, and represent themselves to be, the purchasers of those certain Mining Claims situated in the County of Lander, State of Nevada, in the Carico Lake Mining District and more particularly known as Blackbird No. 1 and Blackbird No. 2, which said contract of purchase is as follows:

"THIS AGREEMENT, made and entered into this 26 day of December, 1950, by and between WILLIAM RAST and JOHN RAST and ROSE ABERASTURI of 527 California Avenue, Reno, Nevada, parties of the first part, and J. W. MINK and BOB HOLDREN of Elko, Nevada, parties of the second part,

W I T N E S S E T H :

The parties of the first part, for and in consideration of the sum of One Dollar ($1.00), to them in hand paid, the receipt whereof is hereby acknowledged, do hereby agree to sell and convey to the parties of the second part by good and sufficient deeds the following described mining claims and property, to-wit:

Blackbird No. 1
Blackbird No. 2

mining claims located in Lander County, Nevada, called the Carico Lake Mining District.

The total sum and purchase price to be paid therefor being the sum of Three Thousand Dollars ($3,000.00) payable as follows:

One Hundred Dollars ($100.00) per month on the 26 of each and every calendar month, commencing January 26, 1951, such payments to be made equally to parties of the first

NOTE: All terms of the lease as herein called for have been complied with. All advance royalty payments are up-to-date.

part, being Thirty Three Dollars and Thirty Three Cents to each of the parties of the first part, per month, for a period of six months. At the expiration of six months, there shall be paid in full to the parties of the first part the sum of Three Thousand Dollars ($3,000.00) at which time a good and sufficient deed shall be given to the parties of the second part.

The parties of the second part, their heirs, successors and assigns, may immediately upon the execution hereof, enter in and upon the mining properties hereinbefore described, and work and mine the same and extract the ores therein and sell and treat the same, or the product thereof, during the life of this agreement and so long as the payments herein provided for shall be made, yielding and paying a royalty of ten percent (10%) of the net smelter or mill returns to the parties of the first part, said royalties and above monthly payments to apply upon the purchase price.

It is further agreed that the lessors shall perform necessary work to cover any assessment or notify owners to the contrary in sufficient time for them to perform the work prior to July July 1, 1951.

All work performed upon the mining properties shall be done in a good and workmanlike manner.

The parties of the second part will at all times keep said claims, and the whole thereof, free and clear of liens and encumbrances, and operate the same in accordance with the laws of the State of Nevada, and pay any and all taxes which may be assessed or levied against the property during the life of this agreement, or until termination or release thereof.

This agreement, and all rights of the parties of the second part thereunder, may be assigned, and the parties of the second part reserve the right to work the ground in any manner they see fit.

The parties of the second part may surrender their rights under this agreement at any time upon giving thirty (30) days' notice of their intention so to do, all covenants and agreements on his part to the date of the notice having been fully kept and performed.

Notice shall be given to the parties of the first part by registered mail addressed to them at Reno, Nevada.

The parties of the first part will not forfeit this agreement, or attempt to terminate it, for failure on the part of the parties of the second part of their assigns to perform any of the agreements or covenants herein contained without first giving the parties of the second part thirty (30) days' written notice of default, and the parties of the second part or their assigns shall have said period of time to repair such default. Said notice of default shall be given by addressing the same by registered mail to the parties of the second part at

IN WITNESS WHEREOF, the parties hereto have executed

these presents the day and year first above written.

John Rast

William Rast

Rose Aberasturi
Parties of the First Part

J. W. Mink

Bob Holdren
Parties of the Second Part

WITNESS:
Norman A. Mink "

WHEREAS, the lessors are not in default under said contract of purchase, and the same is in full force and effect and the payment due on or before January 26, 1951 has been paid; that lessors have not assigned said contract or any interest therein and they are the owners of said contract.

WHEREAS, lessors warrant and represent that the owners of the above claims, subject to the above contract, are the following persons: William Rast, John Rast and Rose Aberasturi, herein called Owners, and that said claims are not subject to any lien or encumbrance and are free and clear of all defects and the assessment work for the year July 1, 1949 to July 1, 1950 has been duly made and proof of labor has been duly recorded with the County Recorder of Lander County, Nevada; that there are no intervening rights nor anyone claiming adverse possession or interest in and to said mining claims.

WHEREAS, it is the mutual desire of the parties to enter into this lease,

NOW, THEREFORE, the lessors, for and in consideration of the sum of ONE THOUSAND AND NO/100 DOLLARS ($1,000.00) paid to the lessors, and the rents, royalties and the cov enants and conditions herein expressed, and by the said lessee to be kept and performed, do by these presents grant, demise and let unto the lessee, and the said lessee does hereby hire and take

from the lessors, all of those certain mining claims situated in the Carico Lake Mining District, County of Lander, State of Nevada, and more particularly described as follows:

Blackbird No. 1;
Blackbird No. 2;

The terms, conditions and covenants of said lease are as follows:

(1) TERM. The lease shall be and is commencing with the date of the execution of this lease and ending the 28th day of February, 1961, midnight.

(2) PAYMENTS. The original payment of $1,000.00 has been paid to lessors, with the sum of $100.00 of said sum being paid to the above named owners applying on the lessors' contract of purchase. All future payments shall be made by lessee to the Nevada Bank of Commerce, Elko, Nevada, for the account of the lessors and the owners as hereinafter provided; after the owners have been paid in full, then the lessee shall make the payments to said Nevada Bank of Commerce, Elko, Nevada, until otherwise notified by lessors, in writing.

(3) Lessors and lessee shall pay all taxes on ore shipped in the proportion of the amount of payments received by lessors and owners bear to the net profit on ore mined. Lessee shall pay all taxes on personal property or buildings placed on the premises or used in connection with the mining and development of said claims.

(4) RENT AND ROYALTY. Lessee shall pay to said lessors and owners the following sums as advance royalty:

Five hundred dollars ($500.00) on or before March 15, 1951;
Five hundred dollars ($500.00) on or before April 15, 1951;
Five hundred dollars ($500.00) on or before May 15, 1951;
Two-thousand five hundred dollars ($2,500.00) on or before June 15, 1951.

The said payments shall be prorated between the owners and lessors as follows: the monthly payments due owners under said contract of purchase or royalty payments therein mentioned shall first be paid to owners as provided in said contract and the balance to the lessors; that during the above period, the lessee shall pay to the lessors a royalty of $1.00 per ton on all ore shipped from the said leased premises but giving credit to lessee the amount of fifty cents (50¢) per ton for all of the advance royalty payments paid previously by lessee to lessors and owners. In other words, initial payment and monthly payments are guaranteed minimum advance royalty payments and in the event of ore shipped, then advanced royalty payments to the extent of 50¢ per ton shall be deducted from the royalty of $1.00 per ton.

Then commencing with July 15, 1951 to and including January 15, 1952, the lessee shall pay to lessors the sum of $250.00 per month, as guaranteed minimum advance royalty payments, each monthly payment to be on or before the 15th day of each month. The same royalty payment of $1.00 per ton on all ore shipped from the premises with the 50¢ per ton credit on previous advance royalty payments also applying.

Then commencing with February 15, 1952 to and including the balance of the term, the lessee shall pay to lessors the sum of $500.00 per month as guaranteed minimum advance royalty payments, each payment to be made on or before the 15th day of each month. The same conditions shall apply concerning the payment of $1.00 per ton royalty on all ore shipped from the said leased premises with the 50¢ per ton credit on previous advance royalty payments also applying.

PROVIDED, HOWEVER, if the net profit to lessee shall

be less than $2.00 per ton on any ore shipped from the said leased premises, then the said royalty payment shall be seventy-five cents (75¢) per ton on such ore, with the credit of 50¢ per ton on previous advance royalty payments made by lessee to lessors. The net profit shall include the following costs and expenses of lessee:

Wages, employers share of S.S., unemployment taxes, industrial insurance, supplies, powder, small tools and equipment not usually depreciated, gas, oil, repairs and maintenance of equipment, shipping charged (which includes trucking or hauling), mill charges or smelter charges, cost of trucking supplies, tools and equipment to the premises.

The above expenses shall also include managerial salary and traveling expenses concerning the mining operations, but shall not include salaries of corporate officers or board of directors or allowance for depreciation on buildings, equipment and machinery or business fixtures of the type that are usually depreciated under Federal Income Taxes.

(5) The lessee shall provide lessor with monthly statements from the smelter or other place where the ore is shipped or sold, showing the price received for the same and the amount of ore so shipped from the leased premises. The said statements shall be furnished to lessors in care of said Nevada Bank of Commerce on or before the 15th day of the month following the shipment of ore and settlement for the same shall be made by lessee on or before the 10th day of the following month. Lessee reserves the right to require that all ore shipped from the premises shall go through Beowawe or other agreed point, and there weighed by a disinterested weight

master, but at the cost of the lessors.

(6) In the event that oil, gas or petroleum is discovered on the premises, then lessee shall pay to the lessors a royalty of 12½% of all oil, gas or petroleum that is placed into tanks or storage containers or pipe lines. The value of such oil, gas or other petroleum products shall be the value at the time of delivery into the tanks, storage containers or pipe line.

(7) The lessee has the exclusive right to go upon the leased property at any time and prospect for or mine any minerals or oil or petroleum. The lessee shall exercise ordinary care to timber any tunnels while the same are in operation. Lessee has the right to ship all minerals found on the said leased premises or to transport the oil, gas or petroleum found on the premises. The word "ship" or "transport" shall include hauling or other means of conveyance. All shipments or transportation being subject to the payments and royalties provided in the lease.

(8) The lessee shall pay its own costs of prospecting for, mining of or extracting from said ore, including all labor, utilities, supplies, equipment, machinery and buildings, shall keep all men insured underthe Nevada Industrial Insurance Act, comply with all Federal and State Laws concerning social security or unemployment insurance and laws. Lessee shall have the right to use any buildings, water or appurtenances on the premises and all ways or roads of lessors, but all repairs and maintenance of the same being that of lessee.

(9) Lessors have the right to sign Notice of Ownership and non-liability of owners for liens, work or material furnished to the premises, post the same on the property and record the same and the lessee shall allow the said copy at

all times to remain posted on the leased premises.

(10) Lessee shall annually on or before June 15 of each year complete all necessary assessment work or labor to hold the said mining claims and file a proof of labor with the County Recorder of Lander County, Nevada and furnish the lessors with a copy thereof.

(11) The lessees shall at all times comply with all federal, state, county and municipal laws.

(12) The lessors or their agents shall have the right at any time to inspect the premises or lessee's records of ore or petroleum shipments and if the net profit is claimed to fall below the $2.00 per ton to inspect all records of lessee during such shipments to ascertain the net profit.

(13) The lessors hereby warrant that lessors are entitled to the possession of said premises and have the right to grant this lease, and the lessee, performing the terms of this lease, shall have the right to the peaceful possession of said property, which peaceful possession the lessors shall protect and defend against all claims other than caused by lessee or growing out of lessee's acts. The lessee shall not permit any liens to attach to the saidproperty.

(14) Lessee may sublet the premises or assign this lease, but lessee shall be and remain liable on the lease and the covenants herein required of lessee. Provided, however, the lease shall not be assigned or the premises sublet to any receiver or trustee in bankruptcy nor attached nor execution levied thereon, in which event or any of said events this lease shall immediately without notice come to an end, at the option of the lessors, and lessors shall have the right to immediately take possession of the premises and retain all payments as liquidated damages or royalty.

(15) Upon any other breach other than set forth in paragraph (14) of this lease, the lessors shall give written notice to lessee, specifying with reasonable certainty, the breach or claimed default. The lessee shall within 30 days after receipt of said notice correct said alleged default or breach. If the said breach or default shall not be corrected within said 30 day period, then the lessors shall have a right to damages for said breach or default and without further notice at the option of lessors terminate this lease.

(16) The lessee shall have the right at any time to cancel this lease by giving written notice to lessors of such cancellation. The cancellation of the lease to take effect 30 days after the said written notice and lessee's removal from the leased premises.

(17) Any notice given to lessors shall be in writing and may be personally served on either of the lessors or sent by registered mail addressed to lessors in care of the Nevada Bank of Commerce, Elko, Nevada. The notice being deemed complete upon the date of the service of notice or the receipt by the Nevada Bank of Commerce of said notice.

(18) Any notice given to lessee shall be in writing and may be served personally on the manager of the lessee at the premises, or any officer of the defendant, or its resident agent of the State of Nevada or Idaho, or by mailing by registered mail addressed to defendant at its principal place of business in the State of Idaho. The notice being deemed complete upon the date of the service of notice or thereceipt by the defendant of said notice.

(19) The lessee shall have the right to place any equipment, machinery, building, fixtures or other property on the premises, but any such property shall not be deemed to be

attached to the land or premises or to become a part thereof but shall remain the property of the lessee and the lessee shall have the right to remove the said property on or before 90 days after the termination or cancellation of this lease or the expiration of the term of this lease.

(20) The singular shall include the plural, and this lease shall be binding upon and inure to the benefit of the lessors' heirs, executors, administrators or assigns, and the lessee's successors or assigns. The lessors have entered into this agreement as tenants in common, in equal shares, and jointly and severally.

(21) Lessee shall at the end of this lease, leave the premises cleaned of all debris or other matters that might interfere with mining of ore from the premises.

(22) In the event of any lawsuit or legal action by either party against the other party, then any judgment awarded in favor of either party shall include not only costs but a reasonable allowance for the attorney fees of the prevailing party.

IN WITNESS WHEREOF, the lessors have hereunto set their hands and the lessee has executed these presents on behalf of said corporation by the officer designated, who has been duly authorized by said corporation to execute this on behalf of said corporation.

Jromick

Bob Hodson

LESSORS

GOLDEN CENTURY INDUSTRIES, INCORPORATED, A CORPORATION

By K. A. Stoker

Its President

STATE OF NEVALA)
SS
COUNTY OF ELKO)

On this 24th day of February, 1951, personally appeared before me, a Notary Public in and for the County of Elko, BOB HOLDREN, also known as ROBERT HOLDREN, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Elko, the day and year in this certificate first above written.

George F. Wright
NOTARY PUBLIC

STATE OF NEVADA)
SS
COUNTY OF WASHOE)S

On this 27th day of February, 1951, personally appeared before me, a Notary Public in and for the County of Washoe, J.W. MINK, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe, the day and year in this certificate first above written.

Geo. W. Lothrop
NOTARY PUBLIC

STATE OF NEVADA,)
SS
COUNTY OF ELKO.)

On this 24th day of February, 1951, personally appeared before me, a Notary Public in and for said County, K. L. STOKER known to me to be the President of the corporation that executed the foregoing instrument, and upon oath did depose that he is the office of said corporation as above indicated; that he is acquainted with the seal of said corporation and that the seal affixed to said instrument is the corporate seal of said corporation; that the signature to said instrument was made by officer of said corporation as indicated after said signature; and that the said corporation executed the said instrument freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal at my office in said County, the day and year in this certificate first above written.

George F. Wright
NOTARY PUBLIC

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

OCT 12 1951

GOLDEN CENTURY INDUSTRIES, INC.
413 Darling Building
Salt Lake City 1, Utah

BRUNTON SURVEY
MANGANESE CLAIMS
CARICO LAKE MINING DISTRICT
LANDER COUNTY NEVADA
SCALE 1" = 250' OCT. 11, 1951
SURVEYED BY JACK D. FRANK