FILE COPY
SURNAME:

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

June 5, 1951

Sr. P. A. Anorga
Empresa Minera Huamachuco S.A.
Edificio Encarnacion Of. 212
Lima, Peru

Subject: DMA-1306X
Re: Exploration Loan
Huamachuco Mine

My dear Sr. Anorga:

Receipt is acknowledged of your application and attachments of May 16, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1306X and was referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on May 29, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1306X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
√Files
Herres
Lyon

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[redacted]
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EMPRESA MINERA HUAMACHUCO S. A.
EDIFICIO ENCARNACION OF. 212 TELEFONO 11709
LIMA - PERU

DMEA MF-100
(March 1951)

Form approved
Budget Bureau Nº 40-R1026

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

GENERAL TECHNICAL DATA

FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket Nº Lima - 1306X

Date received 5/28/51

GENERAL TECHNICAL DATA

1. Materials produced :

a) Silver bearing lead
b) Zinc

2. Name of Mines : Huamachuco, underground type and flotation plant.
a) There are no shafts.
b) Drifts 1365 meters.
crosscuts: 1024 meters.
c) Adits: 529.35 meters.

Mine is flooded but there is not any pumping problem as yet. Since all work is done in the upper level and having no shafts, water runs out thru main drift. Productive capacity : 250 Metric Tons daily.

3. Nearest town: Huamachuco, 25 Km. Shipping point : Salaverry (sea port) 165 Km.
b) Huamachuco Trujillo
c) Departamento de la Libertad - Perú

4. a) Property in operation by Empresa Minera Huamachuco S. A.

b) Empresa Minera Huamachuco S. A. owns the property

5. Six years in operation.

6. Experience of operators :
a) The applicant founded Cia. Auxiliar Ballibuyo of which he is a Director. He also founded Cia. Minera Turlen S. A. and is a Director.

b) The staff is formed by mining engineers graduated from Perú's Mining School and all of them have worked for several mining concerns previously.

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EMPRESA MINERA HUAMACHUCO S. A.
EDIFICIO ENCARNACION OF. 212 TELEFONO 11709
LIMA - PERU

7. History :

a) Huamachuco is a new mine without previous explorations.

b) We are not able to answer this question.

c) We are attaching a copy of a report from E.L. Graff & C. E. Kruger, Consulting Mining Geologists.
After discovering by the applicant, the vein was inspected in 3 levels. In the first level the vein was inspected in the lenght of 300 meters and 50 meters wide. Adits were driven every 30 meters.
In order to make a deeper inspection on the vein, a crosscut has been projected with a drop of 70 meters from level # 1 and two veins were intercepted. This gave us the certainty that mineralization found in level # 1 continued to level # 2.

After intercepting the vein in level # 2, drifts were driven to right and left of the vein to a longitude of about 200 meters. Communicating adits every 30 meters were driven toward level # 2.
In order to facilitate the stope labors, a sub-level has been run at 35 meters between level 1 & 2.

Drifts on the vein are actively continued to inspect the vein in all its longitude.

For a deeper inspection, a third level has been habilitated to 125 meters from level # 2. Two more veins have been intercepted here which, theoretically do not correspond with veins in level 1 and 2. (we estimate we need 60 meters more to intercept veins from level 1 & 2). This factor obliges us to maintain the run in level 3 . At the same time, drifts are being driven to both sides of intercepted veins to prepare the mine. We are certain mineralization goes to greater depth.

8. Board of Directors :

Mr. F. A. Alarco., Dr. Julio Encarnacion., Dr. Santiago Chavarri., Mr. A. Wachmann., Mr. S. Berta. All at the same address: Edificio Encarnación 212, Lima-Perú.

9. Capital Stock Issued : 60,000 at S/ 100.00 each have been issued . Stock being of the nominative type. They are all common.

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 METRIC TONS	LEAD	none	none	26,235.00	2,700.00
2. Quantity of product processed "	LEAD	none	none	1,099.40	[illegible]
3. Quantity sold & shipped "	LEAD	none	none	1,099.40	

EMPRESA MINERA HUAMACHUCO S. A.
EDIFICIO ENCARNACION OF. 212 TELEFONO 11709
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NOTE : Lead only was concentrated during 1950. Zinc production was started 1951.

11. We are contemplating the change of our actual production as follows :

> 240 Metric Tons monthly of lead concentrate
> 150 Metric Tons monthly of zinc concentrate.

Our mine is equipped with all necessary tools and equipment and our flotation plant has never worked to full capacity due, only, to the extreme complexity of the ores and which according to studies made in United States and England have an influence in the total production. Our technicians are recovering greater amounts of values every month.

12. Ore or mineral reserves :

According to our production and proporation in the 9 levels, we may estimate an ore reserve of 180,442.50 Metric Tons.
We refer to the geologists' report attached for further information.
Mineral contents :

> Gold 40,471.601 grams.
> Silver 1'001,250.342 ounces.
> Lead 5'200.016 Kilos
> Zinc 6'204.605 Kilos.

TOTAL OF ORE MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Total 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)	36,300.690	APPRX	S/155.30	APPRX	S/ 54.00
Indicated (probable)	59,156.570	"		"	

ANALYSIS TO OTHER ELEMENTS (b) and (c)

	Metric Tons.	GRADES Au Grs/MT.	Ag. Ozs/MT.	Pb. S/MT	Zn. S/T.M.
Measured (proved)	36,300.690	0.33	6.90	3.57	3.27
Indicated (probable)	59,156.570	0.22	4.54	2.42	3.29
Possible	94,984.890	0.26	5.33	2.81	3.28
TOTAL	180,442.150				

EMPRESA MINERA HUAMACHUCO S. A.
EDIFICIO ENCARNACION OF. 212 TELEFONO 11709
LIMA - PERU

Other questions appearing on page 4 (e) from 1 to (6) remain unanswered.

13 ACCESS ROADS :

Distance to shipping point: 165 Kilometers (Salaverry)
Conditions points: Sufficiently living quarters neighboring mine's site.
Local 6 motores wide, 8 % maximum grade.

14 Water Supply : Represented lagoon with water sufficient for all seasons of year.

15 Power : Hydroelectric Plant 500 HP, using water from same represented lagoon mentioned in answer # 14. Other information not available at the moment.

16 Labor : Laborers are not steady, but a representative payroll period is : (average)

Miners:	250
Millmen:	50
Office :	13
Warehouse, etc.	9

17 Equipment & Facilities :

All equipment is practically new, imported from U. S. A. Thus:

Drilling equipment from Ingersoll Rand
Crushers & Ball Mill from Taylor Manufacturing Company
Flotation Cells from Carthar Denver
All machinery equipped with General Electric & Westinghouse electric motors
Air compressors from Ingersoll Rand.
All equipment in good conditions and working satisfactorily.
Buildings in good conditions.

18. Nothing is affecting are operations.

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.

EMPRESA MINERA HUAMACHUCO S.A.
(Name of Company)

By EMPRESA MINERA HUAMACHUCO S. A.
DIRECTOR-GERENTE

Lima (Perú) May, 16, 1951

Managing Director.

cn/

LANDON F. STROBEL

E.N.E.
Zurbano, 37
MADRID, Spain.

March 26, 1951.

Mr. F. B. Speaker
Defense Mineral Administration
New Interior Building
Washington, D.C.

Dear Mr. Speaker: Re: Steam Power Plant for Pyrites in Spain

With reference to our conversation held this morning in your office, I take pleasure in furnishing you with the following information regarding our project to instal a steam power plant in Huelva, Spain, for Empresa Nacional de Electricidad, S.A., which we represent, that could supply sufficient power to foster the production of pyrites from 1,500,000 metric tons to 2,000,000 metric tons per year. As Mr. Josephson pointed out it is of particular interest to promote this production considering the scarcity of sulphur in the world market.

The project about which we spoke to you, covers the erection of 9375 KW (COSφ = 1) steam power plant. This could be carried out within seven or eight months, provided that we can obtain the boiler and the main switchboard within four months, since we will have available all other parts as shown in the enclosed exhibit. The list of materials and weights required for the fabrication of the boiler were given you personally this morning as agreed in the note of March 20th of COMBUSTION ENGINEERING INC. The list of materials required for the main switchboard will be mailed you shortly.

The mentioned boiler and switchboard will amount to a total of $160,000.00; $130,000.00 for the boiler. This will enable our Company to set into operation the entire steam power plant at a total figure of Eight Hundred Thousand ($800,000.00) Dollars. The project of the E.N.E. is of the utmost importance bearing in mind the shortage of electric power suffered by our mining concerns during the last years, brought which out down the supply to seventy percent in mining, thereby hampering the domestic production destined for foreign markets.

I hereby wish to express to you my sincere gratitude for your kind cooperation in this matter.

Sincerely yours,

[illegible]

[illegible] DE ELECTRICIDAD, S.A.

1629 Columbia Rd. NW
Washington, D.C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

RECEIVED

MAR 2 8 1951

LANDON F. STROBEL
Executive Secretary

to Mr. Strobel
reply