DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1482

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

_____

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

To: Supply Division Date Aug 21 1951

To: Reports & Records Date 8/21/51

To: _____ Date _____

To: _____ Date _____

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INT.-DUP. SEC., WASH., D.C. 98868

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1482-X

To: Reports and Records Branch Big Casino Mining Co.

From: LEAD ZINC BRANCH

Date: JUL 6 1951

The following action has been taken this date on the above Controlled Document.

Forwarded to _____

Type of request changed to:

_____

Denied ☐ Withdrawn ☐

Approved in amount of $ _____

Other action, specify:

On hand - to be denied

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

AUG 22 1951

Re: DMA-1482
Big Casino Mining Co.
Mine near Searchlight, Nevada
Exploration loan $8,120
Lead-copper, zinc

Memorandum

To: Reports & Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of Loan

a.e.c.

Big Casino mine was one of the more important producers of this well-known gold-silver district. Its chief production was a milled concentrate made prior to 1917, since which time only intermittent small scale operation, without benefit of a mill, has been carried on. The total production of the district, through 1934, has been around $5,000,000, mostly in precious metals; the total production of base metals to that date was only 838 tons of lead (0.2% of ore mined) and 325 tons of copper (0.08% of ore mined). During the years that the Big Casino mill was in operation, the annual production of the whole district in lead and copper never exceeded 31 tons and 47 tons respectively, and as most of the lead and copper came from two other mines in the district, it is obvious that the base metal production of the Big Casino has been insignificant. The shaft at this mine is 550 feet deep, and there is drifting and stoping at several levels, though applicant records only a total of 600 feet of drifts, none of it more than 200 feet from the shaft. The workings are extensive enough to indicate that the unknown but obviously small base metal production from this mine must have made only a small percentage of the ore taken out. Applicant states that all production records have been lost.

Applicant proposes to drive 280 feet of exploratory drift, extending the 200 level to the northwest.

It is recommended that the exploration loan be denied on the grounds that no significant base metal discovery can be expected; and that the attached letter be sent to the applicant.

Returned herewith are: 3 copies of the answers to MF-100; 3 copies of MF-103; and 3 copies of the lease.

T. P. Billings by GEJ
T. P. Billings, Chief
Lead-Zinc Branch

Approved:
Tom Lyon
Director, Supply Division

FILE COPY
SURNAME:

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

AUG 22 1951

McKnight
O'Leary
(For Mote)
Johnson

Memorandum

Re: DMA-1482
Big Casino Mining Co.
Mine near Searchlight, Nevada
Exploration loan $8,120
Lead-copper, zinc

To: Reports & Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of Loan

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Applicant proposes to drive 280 feet of exploratory drift, extending the 200 level to the northwest.

It is recommended that the exploration loan be denied on the grounds that no significant base metal discovery can be expected; and that the attached letter be sent to the applicant.

Returned herewith are: 3 copies of the answers to MF-100; 3 copies of MF-103; and 3 copies of the lease.

Gunnard Johnson BJ 8/22

T. P. Billings, Chief
Lead-Zinc Branch
ETMcKnight:emp
G 8-20-51

R. H. Mote:
Reports & Records
Directors r. file
4214 GSA
Br. r. file 4214 GSA
Files

Copies to: H. C. Miller, Region III (2)
E. T. McKnight 4204 GSA
Chief, Lead-Zinc Branch

Approved:

Tom Lyon

Director, Supply Division

AUG 22 1951

Re: [illegible]
Big Casino Mining Co.
Mine near Searchlight, Nevada
Exploration lease [illegible]
Lead-copper, zinc

Memorandum

To: Reports & Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Serial [illegible]

Big Casino mine was one of the more important producers of this well-known gold-silver district. Its chief production was a milled concentrate made prior to 1907, since which time only intermittent small scale operation, without benefit of a mill, has been carried on. The total production of the district, through 1934, has been around $5,000,000, mostly in precious metals; the total production of base metals to that date was only 830 tons of lead (0.2% of ore mined) and 325 tons of copper (0.08% of ore mined). During the years that the Big Casino mill was in operation, the annual production of the whole district in lead and copper never exceeded 31 tons and 47 tons respectively, and as most of the lead and copper came from two other mines in the district, it is obvious that the base metal production of the Big Casino has been insignificant. The shaft at this mine is 550 feet deep, and there is drifting and stoping at several levels, though applicant records only a total of 500 feet of drifts, none of it more than 200 feet from the shaft. The workings are extensive enough to indicate that the unknown but obviously small base metal production from this mine must have made only a small percentage of the ore taken out. Applicant states that all production records have been lost.

Applicant proposes to drive 240 feet of exploratory drift, extending the 400 level to the northwest.

It is recommended that the exploration lease be denied on the grounds that no significant base metal discovery can be expected; and that the attached letter be sent to the applicant.

Returned herewith are: 3 copies of the answers to [illegible]-100; 3 copies of [illegible]-103; and 3 copies of the leases.

Gunnard Johnson

T. [illegible] Billings, Chief
Lead-Zinc Branch

Approved:

Tom Lyon

Director, Supply Division

R. H. McKnightkemp
8-20-51

Copies to: H. C. Miller, Region III (2)
R. T. McKnight 4204 GSA

R. H. Moter
Reports & Records
Directors r. file
4214 GSA
Br. r. file 4214 GSA
Files

Chief, Lead-Zinc Branch

350

FILE COPY
SURNAME:

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

McKnight
O'Leary
Fogelmote
Johnson

AUG 22 1951

Re: DMA-1482

G.E.C.

Mr. W. S. Thing, Vice-President
Big Casino Mining Company
Searchlight, Nevada

Dear Mr. Thing:

The application of the Big Casino Mining Company for an exploration loan has been reviewed by the Defense Minerals Administration.

Under the exploration program of the Defense Minerals Administration, properties are eligible for exploration assistance if they give promise of discovery of significant tonnages of strategic metals. However, the history of the Searchlight district has been one of precious metal production, with only minor lead and copper production. There is no evidence that the Big Casino mine has made any significant production in these metals, and we must conclude that further drifting on the 200 foot level, which you propose, is not a justifiable expenditure of public funds that have been appropriated for strengthening of national defense. I regret, therefore, that your proposal must be declined.

I wish to thank you for bringing this property to the attention of the Defense Minerals Administration.

Very truly yours,

8/22

Tom Lyon, Director
Supply Division

ETMcKnight:emp
G 8-20-51
Copies to: H. C. Miller, Region III (2)
Chief, Lead-Zinc Branch
E. T. McKnight 4204 GSA
R. H. Mote
Records & Reports
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

AUG 22 1951

Ref: DMA-1462

Mr. R. S. Thing, Vice-President
Big Casino Mining Company
Searchlight, Nevada

Dear Mr. Thing:

The application of the Big Casino Mining Company for an exploration loan has been reviewed by the Defense Minerals Administration.

Under the exploration program of the Defense Minerals Administration, properties are eligible for exploration assistance if they give promise of discovery of significant tonnages of strategic metals. However, the history of the Searchlight district has been one of precious metal production, with only minor lead and copper productions. There is no evidence that the Big Casino mine has made any significant production in these metals, and we must conclude that further drifting on the 200 foot level, which you propose, is not a justifiable expenditure of public funds that have been appropriated for strengthening of national defense. I regret, therefore, that your proposal must be declined.

I wish to thank you for bringing this property to the attention of the Defense Minerals Administration.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

DMcnight:cmp
8-20-51
Copies to: E. C. Miller, Region III (C)
Chief, Lead-Zinc Branch
E. T. McKnight 4234 GSA
R. M. Hote
Records & Reports
Directors r. file 4214 GSA
Mr. r. file 4214 GSA
Files

FILE COPY
SURNAME:

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

June 11, 1951

Mr. W. S. Thing
Vice President
Big Casino Mining Company
Searchlight, Nevada

Subject: DMA-1482X
Re: Exploration Loan -
Casino Mine

My dear Mr. Thing:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1482X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on June 6, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1482X.

Sincerely yours,

LANDON F. STROBEL

HB

Landon F. Strobel
Executive Secretary

LFSTROBEL:hb

Copy to: Strobel
Herres
Lyon
File ✓

Dm 2 1482

n MF-103
pril 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 1482 X

Date received 6-1-51

Participation

BIG CASINO MINING CO.

SEARCHLIGHT, NEVADA.

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $8,120.00

Mineral or metal Lead, Copper, Zinc

Percentage of Government participation 50%

Location of mine Four and a half miles east of Searchlight, Nevada.

Date of filing MF-100 May 28, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

All answers attached

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

    NOTE.—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 (*b*) 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.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*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.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

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.

BIG CASINO MINING CO.
(Name of company)

By W. S. Thing
(Signature of authorized official)

May 28, 1951
(Date)

Vice Pres.
(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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

6. Inapplicable.

7. Lease attached; lease is in good standing.

8. Inasmuch as our bookkeeping is several months behind, and wishing to file these forms before the deadline, the following has been compiled as a reasonably close account, bringing all items up to date.

ASSETS		
	Equipment	$5000
	Materials and Supplies	1500
	Cash on hand	1500
		$8,000
LIABILITIES		
	Capital stock issued	$24,600
	Accounts payable	- -
		$24,600

9. At present, capital available amounts to only about $1,500.00 but we feel that with the hoped-for exposure of workable veins made accessible by the unwatering of the 300 foot level, just completed, we will be able to interest sources of capital that to date have been reluctant to invest. Should we fail to raise such capital, we shall then be forced to cut back our development program accordingly.

10. (a) The work will all be done on the Casino claim, situated about four and a half miles east of the town of Searchlight, and lying in Section 32, T 28 S, R 64 E, Mount Diablo B & M, Clark County, Nevada.

(b) Same.

15. Shipping ore and concentrates will be shipped to the A S & R smelter at Salt Lake, Utah, either by truck or railroad; the railroad shipping point being some 25 miles distant. As soon as the construction of a mill seems justified, and capital is made available, a mill will be erected on the property.

19. None.

20. The minerals sought are those of lead, copper and zinc, occuring mainly as galena, chalcopyrite and sphalerite, being mainly sulfide in character altho of course with some oxidization above the water level. All ores occur in lode form.

21. The proposed work consists of extending the present drifts so as to come under surface outcrops and workings that have actually produced shipping ore but that are as yet unproven as to depth. Using average figures for estimating such work in this district, a four months period should be sufficient time to drive about 280 of drift.

22. The vein has been traced for some 1200 feet or so northwesterly from the main shaft. At points approximately 400 and 700 feet from the shaft it is reported that small tonnages of both shipping and milling ores were removed. Southeast of the shaft, surface work has been less extensive and apparently with less encouraging results, altho the reports are that underground some of the best ore was found along the drifts in that direction. Copper stains in the outcrop indicate the continuation of the vein for at least 1500 feet in that direction.

From what information we have been able to obtain, and judging from what workings are accessible, drifting along the vein has not been much over 200 feet in either direction from the shaft. Because of the good surface indications to the northwest, as above stated, we feel that drifting in that direction on the 200 level would be the logical step to take in searching for ore bodies.

Unfortumately, no maps of the old workings are available, and our work of reopening the shaft, timbering and unwatering have so occupied our time that no mapping of any consequence has been achieved by ourselves. In fact, most of the workings above the 200 level are blocked by spill from stopes above, loose fill thrown in by chloriders looking for remaining bits of highgrade, and by caving of insufficiently supported ground. The mineralized zone is inclined to be shattered and with the passing of so much time since the original work, there is only about 100 feet of drift on the 100 level and 250 of drift on the 200 level that is accessible.

The vein and shaft go down at a fairly consistant 60°, to the 300 level at any rate, and both the workings here, and those of other mines in the district, and the opinions of the old timers is that the orebodies may be expected to continue with depth.

For further information regarding this mine and the district in general, please refer to U S Geol Survey Bul. 906-D.

It is our intention to proceed at once with mapping of the surface and underground workings and copies will be furnished you as soon as possible.

23. (a) It is contemplated that the work will be done by a miner and mucker on a contract basis, and the usual arrangement for this district is at the rate of twelve dollars per foot of drift, trammed to the shaft.

(b) Supervision will be under the general supervision of the work being done and should not require more than $50.00 worth of time per month.

(c) Repairs to existing facilities, structures and buildings have been completed; no additional cost for these items.

(d) The only structure comtemplated is that of an addition to house the air compressor; cost, approximately $200.00 .

(e) Air compressor and engine; " $1,000.00 .

(f) None

(g,h,i) Average figures for the district come to about twelve dollars per foot of drift, for these three items.

24. Estimates from local sources furnish the following data:

Advance per month: approximately 70 feet of drift, track laid and necessary timbering done.

Total cost per month will then be as follows:

Labor	$840
Hoisting, materials	840
Supervision	50
	$1,730.00

During the first month's operation, of course, the compressor and air lines will have to be installed. Thereafter, a total of approximately four months work should complete the 280 feet of drifting.

Summary of costs of project:

280 feet of drift	$6920
Air compressor	1000
Compressor house	200
	$8,120.00

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA

LEASE CONTRACT

THIS LEASE, Made and entered into on this the 1st day of October, A. D. 1950, by and between JOHN KAY of Searchlight, Nevada, hereinafter called "Lessor" and BIG CASINO MINING COMPANY, Incorporated, of Searchlight, Nevada, hereinafter called "Lessee", Lessor also being referred to as First Party and Lessee being referred to as Second Party.

WITNESSETH:

Lessor, in consideration of the faithful keeping and performance of the covenants and agreements hereinafter recited to be kept and performed by the Lessee, does hereby lease and let unto Lessee, all of those certain mining claims, mining ground and improvements thereon and mining equipment appurtenant thereto, situate in the Searchlight Mining District, County of Clark, State of Nevada, more particularly described as follows, to-wit:

> The CASINO and TADDLEY ADDLEY Mining Claims which are recorded in Book 17 at Page 295 of the mining records in the office of the County Recorder of Clark County, State of Nevada, said mining claims being located in Section Thirty-two (32), Township Twenty-eight (28) South, Range Sixty four (64) East, Mount Diablo B & M.

1. It is agreed that Lessee shall have immediate possession of said property and work the same as it shall deem proper, except that the purpose of such work and development shall be for the best interest of the future development and operation of the mine, and provided that it shall perform at least fifty (50) shifts per month in mining operations upon the said premises during each month that this contract remains in force. The word "shifts" as herein used shall mean one (1) man working eight (8) hours each day.

2. It is agreed that Lessee shall commence actual mining and development and operations on or before the 1st day of November, 1950, and Lessor agrees that Lessee shall have possession of all the property, both real and personal, during the life of this lease, and shall have the right to the use of all improvements, workings and dumps situate thereon, and shall have the right to explore, develop and operate and to remove, ship, extract, smelt, mill, sell or otherwise dispose of all ores, metals, and/or minerals removed therefrom.

All work shall be done in a minerlike manner and all underground work shall be timbered where timbering is necessary, and all rubbish and debris removed and the openings kept clear.

3. Lessee agrees to pay to Lessor as rental for said property ten per cent (10%) royalty on the net returns of all ores mined,

milled, shipped, treated and sold. The "net returns" as herein used shall be defined as the proceeds derived from the sale of all ores or metals after deducting railroad freight and transportation, or freight and transportation paid to any other licensed public carrier, and smelter and treatment charges.

It is agreed that in case Lessee transports its own ore and/or concentrates to a smelter, then it may be entitled to deduct the regular freight or transportation charges which would have been made by any railroad or other licensed public carrier from the nearest point to the property hereby leased at which such ore and/or concentrates could have been delivered to the railroad or other licensed public carrier.

Immediately upon the receipt of any moneys derived from the sale of ore and/or concentrates from any mill, smelter or other purchaser, Lessee shall remit to the Lessor at his address in Searchlight, Nevada, ten percent (10%) royalty, together with complete return sheets, with instructions to said Lessor showing how same has been handled.

4. Lessee agrees to pay all taxes on said property during the life of this agreement as and when the same become due and payable.

5. Lessor and Lessee agree to accept insurance coverage under the Nevada Industrial Insurance Commission, at expense of Lessee.

6. It is further understood and agreed that Lessee shall pay all claims for labor, supplies, material or improvements used in the operation of the mine under this agreement, and keep the property free and clear from any claims. It is understood that Lessor shall prepare and post notices during the life of this lease to the effect that the properties are being operated under this lease and that the same cannot be bound for any debts for labor, materials or supplies, or for any injury to employees, and shall take such other steps as are required by law to protect the same. Lessee agrees to notify Lessor when any notice shall need replacing, otherwise Lessor shall have no responsibility in this connection.

7. The terms of this lease shall extend to the 30th day of September, 1951, a period of one year, or as long thereafter as the Lessee shall pay to the Lessor the sum of Twenty Five Hundred Dollars ($2,500.00) minimum royalty per year. This clause in no way tends to change Paragraph No. 3, Page 2 of this contract for the first year's operation, but is for the protection of both parties hereto after 1st year's operation.

8. Lessee agrees to carry on the work herein provided for continuously during the life of this lease unless such operations shall be prevented by fire, the elements, strike, lockouts, insurrection, interruption in transportation facilities or by Federal, State or Local authority, acts of God, or for any other cause beyond the control of the Lessee.

9. If Lessee shall fail to keep or perform any of the terms, conditions and/or covenants herein contained, Lessor may terminate this lease by giving to Lessee thirty (30) days written notice of Lessor's intention so to terminate, provided that said notice shall fully specify the term or terms, conditions, or covenants concerning which Lessee is in default, and in case Lessee within thirty (30) days after receipt of such notice shall not have remedied such default, then this lease shall be terminated. Upon termination of this lease by expiration or otherwise, Lessee agrees to surrender up the peaceable and quiet possession of said premises and the whole thereof, and it shall be lawful for Lessor or Lessor's agents to enter into and upon the said premises and remove any and all persons in possession thereof, using all necessary force to do so.

None of the improvements now upon said premises shall be removed by the Lessee. All permanent improvements placed thereon by Lessee shall be left intact, but any portable machinery or equipment not permanently installed may be removed by Lessee, provided that if Lessee shall not have removed same within sixty (60) days after the termination of this lease, then the same shall revert to Lessor and become a part of the premises hereby leased.

10. It is agreed by and between the parties hereto that in the event Lessor should have and offer to sell the property hereby leased, the Lessee hereunder shall have the right to purchase the property at the offered price, or the right to refuse to purchase same.

11. This lease shall inure to the benefit of and be binding upon the heirs, administrators, executors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have hereunto set their hands on the day and year first hereinbefore written.

JOHN KAY
Lessor

BIG CASINO MINING CO., Inc.

BY HUGO STANGE, Pres.
Lessee

ATTEST:

JOHN AARHUS, Secy.

(SEAL)

rm MF-103
April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 14828X

Date received 6-1-51

Participation

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $8,120.00

Mineral or metal Lead, Copper, Zinc

Percentage of Government participation 50%

Location of mine Four and a half miles east of Searchlight, Nevada.

Date of filing MF-100 May 28, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

All answers attached

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

    NOTE.—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 (*b*) 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.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*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.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

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.

Big Casino Mining Co.
(Name of company)

By W S Thing
(Signature of authorized official)

May 28, 1951
(Date)

Vice. Pres.
(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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

6. Inapplicable.

7. Lease attached; lease is in good standing.

8. Inasmuch as our bookkeeping is several months behind, and wishing to file these forms before the deadline, the following has been compiled as a reasonably close account, bringing all items up to date.

ASSETS		
	Equipment	$5000
	Materials and Supplies	1500
	Cash on hand	1500
		$8,000
LIABILITIES		
	Capital stock issued	$24,600
	Accounts payable	- -
		$24,600

9. At present, capital available amounts to only about $1,500.00 but we feel that with the hoped-for exposure of workable veins made accessible by the unwatering of the 300 foot level, just completed, we will be able to interest sources of capital that to date have been reluctant to invest. Should we fail to raise such capital, we shall then be forced to cut back our development program accordingly.

10. (a) The work will all be done on the Casino claim, situated about four and a half miles east of the town of Searchlight, and lying in Section 32, T 28 S, R 64 E, Mount Diablo B & M, Clark County, Nevada.

(b) Same.

15. Shipping ore and concentrates will be shipped to the A S & R smelter at Salt Lake, Utah, either by truck or railroad; the railroad shipping point being some 25 miles distant. As soon as the construction of a mill seems justified, and capital is made available, a mill will be erected on the property.

19. None.

20. The minerals sought are those of lead, copper and zinc, occuring mainly as galena, chalcopyrite and sphalerite, being mainly sulfide in character altho of course with some oxidization above the water level. All ores occur in lode form.

21. The proposed work consists of extending the present drifts so as to come under surface outcrops and workings that have actually produced shipping ore but that are as yet unproven as to depth. Using average figures for estimating such work in this district, a four months period should be sufficient time to drive about 280 of drift.

22. The vein has been traced for some 1200 feet or so northwesterly from the main shaft. At points approximately 400 and 700 feet from the shaft it is reported that small tonnages of both shipping and milling ores were removed. Southeast of the shaft, surface work has been less extensive and apparently with less encouraging results, altho the reports are that underground some of the best ore was found along the drifts in that direction. Copper stains in the outcrop indicate the continuation of the vein for at least 1500 feet in that direction.

From what information we have been able to obtain, and judging from what workings are accessible, drifting along the vein has not been much over 200 feet in either direction from the shaft. Because of the good surface indications to the northwest, as above stated, we feel that drifting in that direction on the 200 level would be the logical step to take in searching for ore bodies.

Unfortumately, no maps of the old workings are available, and our work of reopening the shaft, timbering and unwatering have so occupied our time that no mapping of any consequence has been achieved by ourselves. In fact, most of the workings above the 200 level are blocked by spill from stopes above, loose fill thrown in by chloriders looking for remaining bits of highgrade, and by caving of insufficiently supported ground. The mineralized zone is inclined to be shattered and with the passing of so much time since the original work, there is only about 100 feet of drift on the 100 level and 250 of drift on the 200 level that is accessible.

The vein and shaft go down at a fairly consistant 60°, to the 300 level at any rate, and both the workings here, and those of other mines in the district, and the opinions of the old timers is that the orebodies may be expected to continue with depth.

For further information regarding this mine and the district in general, please refer to U S Geol Survey Bul. 906-D.

It is our intention to proceed at once with mapping of the surface and underground workings and copies will be furnished you as soon as possible.

23. (a) It is contemplated that the work will be done by a miner and mucker on a contract basis, and the usual arrangement for this district is at the rate of twelve dollars per foot of drift, trammed to the shaft.

(b) Supervision will be under the general supervision of the work being done and should not require more than $50.00 worth of time per month.

(c) Repairs to existing facilities, structures and buildings have been completed; no additional cost for these items.

(d) The only structure comtemplated is that of an addition to house the air compressor; cost, approximately $200.00 .

(e) Air compressor and engine; " $1,000.00 .

(f) None

(g,h,i) Average figures for the district come to about twelve dollars per foot of drift, for these three items.

24. Estimates from local sources furnish the following data:

Advance per month: approximately 70 feet of drift, track laid and necessary timbering done.

Total cost per month will then be as follows:

Labor	$840
Hoisting, materials	840
Supervision	50
	$1,730.00

During the first month's operation, of course, the compressor and air lines will have to be installed. Thereafter, a total of approximately four months work should complete the 280 feet of drifting.

Summary of costs of project:

280 feet of drift	$6920
Air compressor	1000
Compressor house	200
	$8,120.00

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA

LEASE CONTRACT

THIS LEASE, Made and entered into on this the 1st day of October, A. D. 1950, by and between JOHN KAY of Searchlight, Nevada, hereinafter called "Lessor" and BIG CASINO MINING COMPANY, Incorporated, of Searchlight, Nevada, hereinafter called "Lessee", Lessor also being referred to as First Party and Lessee being referred to as Second Party:

WITNESSETH:

Lessor, in consideration of the faithful keeping and performance of the covenants and agreements hereinafter recited to be kept and performed by the Lessee, does hereby lease and let unto Lessee, all of those certain mining claims, mining ground and improvements thereon and mining equipment appurtenant thereto, situate in the Searchlight Mining District, County of Clark, State of Nevada, more particularly described as follows, to-wit:

> The CASINO and TADDLEY ADDLEY Mining Claims which are recorded in Book 17 at Page 295 of the mining records in the office of the County Recorder of Clark County, State of Nevada, said mining claims being located in Section Thirty-two (32), Township Twenty-eight (28) South, Range Sixty four (64) East, Mount Diablo B & M.

1. It is agreed that Lessee shall have immediate possession of said property and work the same as it shall deem proper, except that the purpose of such work and development shall be for the best interest of the future development and operation of the mine, and provided that it shall perform at least fifty (50) shifts per month in mining operations upon the said premises during each month that this contract remains in force. The word "shifts" as herein used shall mean one (1) man working eight (8) hours each day.

2. It is agreed that Lessee shall commence actual mining and development and operations on or before the 1st day of November, 1950, and Lessor agrees that Lessee shall have possession of all the property, both real and personal, during the life of this lease, and shall have the right to the use of all improvements, workings and dumps situate thereon, and shall have the right to explore, develop and operate and to remove, ship, extract, smelt, mill, sell or otherwise dispose of all ores, metals, and/or minerals removed therefrom.

All work shall be done in a minerlike manner and all underground work shall be timbered where timbering is necessary, and all rubbish and debris removed and the openings kept clear.

3. Lessee agrees to pay to Lessor as rental for said property ten per cent (10%) royalty on the net returns of all ores mined,

milled, shipped, treated and sold. The "net returns" as herein used shall be defined as the proceeds derived from the sale of all ores or metals after deducting railroad freight and transportation, or freight and transportation paid to any other licensed public carrier, and smelter and treatment charges.

It is agreed that in case Lessee transports its own ore and/or concentrates to a smelter, then it may be entitled to deduct the regular freight or transportation charges which would have been made by any railroad or other licensed public carrier from the nearest point to the property hereby leased at which such ore and/or concentrates could have been delivered to the railroad or other licensed public carrier.

Immediately upon the receipt of any moneys derived from the sale of ore and/or concentrates from any mill, smelter or other purchaser, Lessee shall remit to the Lessor at his address in Searchlight, Nevada, ten percent (10%) royalty, together with complete return sheets, with instructions to said Lessor showing how same has been handled.

4. Lessee agrees to pay all taxes on said property during the life of this agreement as and when the same become due and payable.

5. Lessor and Lessee agree to accept insurance coverage under the Nevada Industrial Insurance Commission, at expense of Lessee.

6. It is further understood and agreed that Lessee shall pay all claims for labor, supplies, material or improvements used in the operation of the mine under this agreement, and keep the property free and clear from any claims. It is understood that Lessor shall prepare and post notices during the life of this lease to the effect that the properties are being operated under this lease and that the same cannot be bound for any debts for labor, materials or supplies, or for any injury to employees, and shall take such other steps as are required by law to protect the same. Lessee agrees to notify Lessor when any notice shall need replacing, otherwise Lessor shall have no responsibility in this connection.

7. The terms of this lease shall extend to the 30th day of September, 1951, a period of one year, or as long thereafter as the Lessee shall pay to the Lessor the sum of Twenty Five Hundred Dollars ($2,500.00) minimum royalty per year. This clause in no way tends to change Paragraph No. 3, Page 2 of this contract for the first year's operation, but is for the protection of both parties hereto after 1st year's operation.

8. Lessee agrees to carry on the work herein provided for continuously during the life of this lease unless such operations shall be prevented by fire, the elements, strike, lockouts, insurrection, interruption in transportation facilities or by Federal, State or Local authority, acts of God, or for any other cause beyond the control of the Lessee.

9. If Lessee shall fail to keep or perform any of the terms, conditions and/or covenants herein contained, Lessor may terminate this lease by giving to Lessee thirty (30) days written notice of Lessor's intention so to terminate, provided that said notice shall fully specify the term or terms, conditions, or covenants concerning which Lessee is in default, and in case Lessee within thirty (30) days after receipt of such notice shall not have remedied such default, then this lease shall be terminated. Upon termination of this lease by expiration or otherwise, Lessee agrees to surrender up the peaceable and quiet possession of said premises and the whole thereof, and it shall be lawful for Lessor or Lessor's agents to enter into and upon the said premises and remove any and all persons in possession thereof, using all necessary force to do so.

None of the improvements now upon said premises shall be removed by the Lessee. All permanent improvements placed thereon by Lessee shall be left intact, but any portable machinery or equipment not permanently installed may be removed by Lessee, provided that if Lessee shall not have removed same within sixty (60) days after the termination of this lease, then the same shall revert to Lessor and become a part of the premises hereby leased.

10. It is agreed by and between the parties hereto that in the event Lessor should have and offer to sell the property hereby leased, the Lessee hereunder shall have the right to purchase the property at the offered price, or the right to refuse to purchase same.

11. This lease shall inure to the benefit of and be binding upon the heirs, administrators, executors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have hereunto set their hands on the day and year first hereinbefore written.

JOHN KAY
Lessor

BIG CASINO MINING CO., Inc.

BY HUGO STANGE, Pres.
Lessee

ATTEST:

JOHN AARHUS, Secy.

(SEAL)

Please note:

We were sent only one copy of Form MF-100 so it was used as a guide in making up the inclosed answers to the questions. If you require signed forms for your files, please forward additional copies.

Form MF-100

dmu 14 82 X

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

1. (a) Lead, copper, zinc, silver and gold.
(b) None

2. The name of the was originally the Big Casino. The name has now been shortened to Casino. All workings are underground; no placer or open pit.

With the exception of four smaller shafts averaging about 50 feet in depth, all of the following workings are in the main shaft on the property:

(a) 740
(b) 600
(c) None
(d) None

The main shaft is supposed to be 550 feet deep. The water has been lowered to the 300 foot level, leaving 250 feet of flooded shaft and workings. At present, mine makes only about 8,000 gallons per day.

3. (a) The mine is about 4½ miles east of Searchlight, Nevada, and 25 miles east of the railroad shipping point at Nipton, Calif.
(b) Searchlight Mining District.
(c) Township 28 South, Section 32, Range 64 East, Mount Diablo B & M.
(d) Clark County, Nevada.

4. (a) Property is being operated by the Big Casino Mining Co.
(b) Lessee.

5. Not in production yet. Date of production will depend on results of examination of old workings and the uncovering or development of ores justifying the erection of a mill. Work has not progressed far enough for a reasonable estimate to be made at this time.

6. (a) Inapplicable: corporation.

(b) At present we are frankly short on mining experience; one member of the group being a graduate mining engineer but with only a years experience. The plans are to obtain experienced and competent supervision as soon as this preliminary period of cleaning up and mucking out of caved ground will make effecient use of such personnel.

As for business experience, one person has had thirty five years experience, first of supervisory character and then as operator of his own business. Another of the group has had ten years experience conducting his own business.

7. (a) So far as we have been able to determine, all of the original owners and workmen connected with this property are now dead, so that the information, except that from the old assayer of the District, is all of the nature of hearsay:

1. The original work was done by two partners who worked mainly above the 300 foot level but the shaft was somewhat deeper to afford a water supply (water table at about 250 feet). They operated the mine and milled

ore from about 1905 to 1912 or 13.

2. The property was then sold for $35,000 to a stock company which sunk the shaft to 550 feet and milled ore from some of the minor surface workings as well as from the main shaft. This company went broke on the Chicago stock market in 1917, and according to all reports, the mine has never been unwatered since that time.

3. The property, after being tied up in litigation for some time, came into the possession of some thirteen partners who worked at it intermittently on a small scale; no milling having been done on the property since it shut down in 1917. The partnership dwindled down to two old pensioners who passed away a couple of years ago.

4. Various lessees worked the property also (since 1917), and always on a small scale, the latest being in 1940 when some of the mill tails and part of the dump were trucked to a mill in Searchlight. This company went on the rocks because of internal dissention and not because of the Casino or other ores it was milling.

Exploration has consisted of several cuts and shafts (see 2(a)) thruout the length of the claim; two of them, approximately 400 and 700 feet NW of the main shaft are reported to have produced small tonnages of ore.

Because of caved ground, only about 100 feet of drift on the 100 level, 250 feet of drift on the 200 level, and just now unwatered, 200 feet of drift on the 300 level, are accessible. Apparently none of the underground exploration and development has extended much over 200 feet either way from the shaft.

No production records are available; even the smelter returns have been lost - some as recently as last year.

(b) The nearest property is that of the Chief of the Hills, located about a mile to the south. This property was worked for a number of years between 1909 and 1923, but nothing is known as to production or grade of ore. The only other mines with production records are situated in the town of Searchlight, some 4½ miles to the west, and altho not "neighboring" mines it might be pointed out that most of these mines have the same country rock and similar vein formation and mineralization. Two of these mines have been good producers, the Duplex $650,000 and the Quartette $2,900,000 . Please refer to U.S. Geol. Bul. 906-D for further detail.

(c) No reports are available in the nature of mine examinations.

8.

(a)	(b)	(d)	(e)
John Aarhus	Secy-Treas, D	$10,000	22
Arthur Cowden	D	5,000	12
Homer Richards	D	- - -	12
Hugo Stange	Pres, D	20,000	40
Walter Thing	Vice Pres, D	20,000	160
		Total	246

Note: referring to the above,
(a) All are residents of Searchlight, Nevada.
(c) Mine has not been in production; no salaries paid.
(f) Compensation cannot be earried until actual production begins.
(g,h) The corporation has no preferred stock.

9.

	(a)	(b)	(c)	(d)	(e)
Common stock	$25,000	$24,600	$100	246	None
Preferred stock	None				

10. Mine is not as yet in production.

11. Inapplicable.

12. (a) The strike of the vein is approximately N 40 W; the dip 60 W. Wall rock consists of an andesite porphyry; vein material consists of a shattered zone containing numerous quartz stringers, and has been described as a breccia of the porphyry cemented by quartz. This mineralized zone varies up to 10 or 12 feet in width, with lenses of high grade ore occuring at irregular intervals on both the hanging and footwall sides of the vein.

Surface workings indicate a continuation of the vein some 1200 feet to the N W and 1500 feet to the S E. As stated in 7(a), many of the old workings are still inaccessible, and the unwatering of the 300 level, just completed, will afford our best opportunity to examine the property to any extent.

No geological reports are available at this time, but such will be forwarded for your files as soon as completed.

(b) As indicated elsewhere, we have not completed enough examination to answer these questions as yet. Our plans are to make a thoro examination of available areas as soon as possible, and the data will be forwarded to you at that time.

(c) Inapplicable.

13. The shipping point by truck (surfaced road) is Searchlight, 4½ miles. The railroad is some 25 miles distant, both points being reached by graded roads which are usually somewhat corrugated (These roads are supposed to be surfaced in the near future but don't hold your breath).

Searchlight is also the nearest residence point; supplies come from Las Vegas, Nevada, and Kingman, Arizona, 55 and 70 miles respectively from Searchlight over surfaced roads (good macadam).

14. Mine water will be used for milling, as it was before. Quantity is supposed to be about 15,000 gal per day, continuous flow. If necessary, additional water can be obtained some two miles distant.

15. Not being in operation yet, very little power is required and for the present we are using gasoline driven equipment. A power line is supposed to be run within a half mile of the mine; if so, power will be available at about 1.6¢ / KwHr. Lacking that, we will have to install our own power unit.

16. No outside labor has been hired to date as only preliminary mucking out, timbering and unwatering have been done to date.

17. Buildings consist of the following:
    1. "Boarding House", consisting of the reconditioned living quarters still standing on the property - approx. 12 x 24
    2. Bunkhouse, new, sheet metal - 12 x 16
    3. Assay office, " " - 12 x 16
    4. Shop building, " " - 22 x 60

Equipment consists of a 25 HP hoist, skip and cars, air receivers, jackhamers and stopers, usual shop equipment such as welding rigs, forge, etc.

18. None.

CERTIFICATION

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

BIG CASINO MINING CO. By W S Thing
W S Thing, Vice Pres.

May 28, 1951

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 14821X

Date received 6-1-51

Participation

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 1 - 1951
LAURON F. STROBEL
Executive Secretary

Postmarked May 21. 1951. 8:30 pm.

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

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Date of filing MF-100 May 28, 1951

DMA Docket Number, if available

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    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
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    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

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.

BIG CASINO MINING CO.
(Name of company)

By W. S. Thing
(Signature of authorized official)

May 28, 1951
(Date)

Vice Pres.
(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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

6. Inapplicable.

7. Lease attached; lease is in good standing.

8. Inasmuch as our bookkeeping is several months behind, and wishing to file these forms before the deadline, the following has been compiled as a reasonably close account, bringing all items up to date.

ASSETS		
	Equipment	$5000
	Materials and Supplies	1500
	Cash on hand	1500
		$8,000
LIABILITIES		
	Capital stock issued	$24,600
	Accounts payable	- -
		$24,600

9. At present, capital available amounts to only about $1,500.00 but we feel that with the hoped-for exposure of workable veins made accessible by the unwatering of the 300 foot level, just comleted, we will be able to interest sources of capital that to date have been reluctant to invest. Should we fail to raise such capital, we shall then be forced to cut back our development program accordingly.

10. (a) The work will all be done on the Casino claim, situated about four and a half miles east of the town of Searchlight, and lying in Section 32, T 28 S, R 64 E, Mount Diablo B & M, Clark County, Nevada.

(b) Same.

15. Shipping ore and concentrates will be shipped to the A S & R smelter at Salt Lake, Utah, either by truck or railroad; the railroad shipping point being some 25 miles distant. As soon as the construction of a mill seems justified, and capital is made available, a mill will be erected on the property.

19. None.

20. The minerals sought are those of lead, copper and zinc, occuring mainly as galena, chalcopyrite and sphalerite, being mainly sulfide in character altho of course with some oxidization above the water level. All ores occur in lode form.

21. The proposed work consists of extending the present drifts so as to come under surface outcrops and workings that have actually produced shipping ore but that are as yet unproven as to depth. Using average figures for estimating such work in this district, a four months period should be sufficient time to drive about 280 of drift.

22. The vein has been traced for some 1200 feet or so northwesterly from the main shaft. At points approximately 400 and 700 feet from the shaft it is reported that small tonnages of both shipping and milling ores were removed. Southeast of the shaft, surface work has been less extensive and apparently with less encouraging results, altho the reports are that underground some of the best ore was found along the drifts in that direction. Copper stains in the outcrop indicate the continuation of the vein for at least 1500 feet in that direction.

From what information we have been able to obtain, and judging from what workings are accessible, drifting along the vein has not been much over 200 feet in either direction from the shaft. Because of the good surface indications to the northwest, as above stated, we feel that drifting in that direction on the 200 level would be the logical step to take in searching for ore bodies.

Unfortumately, no maps of the old workings are available, and our work of reopening the shaft, timbering and unwatering have so occupied our time that no mapping of any consequence has been achieved by ourselves. In fact, most of the workings above the 200 level are blocked by spill from stopes above, loose fill thrown in by chloriders looking for remaining bits of highgrade, and by caving of insufficiently supported ground. The mineralized zone is inclined to be shattered and with the passing of so much time since the original work, there is only about 100 feet of drift on the 100 level and 250 of drift on the 200 level that is accessible.

The vein and shaft go down at a fairly consistant 60°, to the 300 level at any rate, and both the workings here, and those of other mines in the district, and the opinions of the old timers is that the orebodies may be expected to continue with depth.

For further information regarding this mine and the district in general, please refer to U S Geol Survey Bul. 906-D.

It is our intention to proceed at once with mapping of the surface and underground workings and copies will be furnished you as soon as possible.

23. (a) It is contemplated that the work will be done by a miner and mucker on a contract basis, and the usual arrangement for this district is at the rate of twelve dollars per foot of drift, trammed to the shaft.

(b) Supervision will be under the general supervision of the work being done and should not require more than $50.00 worth of time per month.

(c) Repairs to existing facilities, structures and buildings have been completed; no additional cost for these items.

(d) The only structure comtemplated is that of an addition to house the air compressor; cost, approximately $200.00 .

(e) Air compressor and engine; " $1,000.00 .

(f) None

(g,h,i) Average figures for the district come to about twelve dollars per foot of drift, for these three items.

24. Estimates from local sources furnish the following data:

Advance per month: approximately 70 feet of drift, track laid and necessary timbering done.

Total cost per month will then be as follows:

Labor	$840
Hoisting, materials	840
Supervision.	50
	$1,730.00

During the first month's operation, of course, the compressor and air lines will have to be installed. Thereafter, a total of approximately four months work should complete the 280 feet of drifting.

Summary of costs of project:

280 feet of drift	$6920
Air compressor	1000
Compressor house	200
	$8,120.00

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. Appal 14 8 2X

Date received 6-1-51

Participation

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $3,120.00

Mineral or metal Lead, Copper, Zinc

Percentage of Government participation 50%

Location of mine Four and a half miles east of Searchlight, Nevada.

Date of filing MF-100 May 28, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

All answers attached

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

    NOTE.—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 (*b*) 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.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*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.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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    (*a*) Describe the ore or mineral deposits briefly.
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    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

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.

BIG CASINO MINING CO. (Name of company) — By Wal Thing (Signature of authorized official)

May 28, 1951 (Date) — Vice Pres. (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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

6. Inapplicable.

7. Lease attached; lease is in good standing.

8. Inasmuch as our bookkeeping is several months behind, and wishing to file these forms before the deadline, the following has been compiled as a reasonably close account, bringing all items up to date.

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The vein and shaft go down at a fairly consistant 60°, to the 300 level at any rate, and both the workings here, and those of other mines in the district, and the opinions of the old timers is that the orebodies may be expected to continue with depth.

For further information regarding this mine and the district in general, please refer to U S Geol Survey Bul. 906-D.

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(f) None

(g,h,i) Average figures for the district come to about twelve dollars per foot of drift, for these three items.

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Summary of costs of project:

280 feet of drift	$6920
Air compressor	1000
Compressor house	200
	$8,120.00

dmd 14821X

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA

LEASE CONTRACT

THIS LEASE, Made and entered into on this the 1st day of October, A. D. 1950, by and between JOHN KAY of Searchlight, Nevada, hereinafter called "Lessor" and BIG CASINO MINING COMPANY, Incorporated, of Searchlight, Nevada, hereinafter called "Lessee", Lessor also being referred to as First Party and Lessee being referred to as Second Party;

WITNESSETH:

Lessor, in consideration of the faithful keeping and performance of the covenants and agreements hereinafter recited to be kept and performed by the Lessee, does hereby lease and let unto Lessee, all of those certain mining claims, mining ground and improvements thereon and mining equipment appurtenant thereto, situate in the Searchlight Mining District, County of Clark, State of Nevada, more particularly described as follows, to-wit:

> The CASINO and TADDLEY ADDLEY Mining Claims which are recorded in Book 17 at Page 295 of the mining records in the office of the County Recorder of Clark County, State of Nevada, said mining claims being located in Section Thirty-two (32), Township Twenty-eight (28) South, Range Sixty four (64) East, Mount Diablo B & M.

1. It is agreed that Lessee shall have immediate possession of said property and work the same as it shall deem proper, except that the purpose of such work and development shall be for the best interest of the future development and operation of the mine, and provided that it shall perform at least fifty (50) shifts per month in mining operations upon the said premises during each month that this contract remains in force. The word "shifts" as herein used shall mean one (1) man working eight (8) hours each day.

2. It is agreed that Lessee shall commence actual mining and development and operations on or before the 1st day of November, 1950, and Lessor agrees that Lessee shall have possession of all the property, both real and personal, during the life of this lease, and shall have the right to the use of all improvements, workings and dumps situate thereon, and shall have the right to explore, develop and operate and to remove, ship, extract, smelt, mill, sell or otherwise dispose of all ores, metals, and/or minerals removed therefrom.

All work shall be done in a minerlike manner and all underground work shall be timbered where timbering is necessary, and all rubbish and debris removed and the openings kept clear.

3. Lessee agrees to pay to Lessor as rental for said property ten per cent (10%) royalty on the net returns of all ores mined,

JUN 6 1951 5

milled, shipped, treated and sold. The "net returns" as herein used shall be defined as the proceeds derived from the sale of all ores or metals after deducting railroad freight and transportation, or freight and transportation paid to any other licensed public carrier, and smelter and treatment charges.

It is agreed that in case Lessee transports its own ore and/or concentrates to a smelter, then it may be entitled to deduct the regular freight or transportation charges which would have been made by any railroad or other licensed public carrier from the nearest point to the property hereby leased at which such ore and/or concentrates could have been delivered to the railroad or other licensed public carrier.

Immediately upon the receipt of any moneys derived from the sale of ore and/or concentrates from any mill, smelter or other purchaser, Lessee shall remit to the Lessor at his address in Searchlight, Nevada, ten percent (10%) royalty, together with complete return sheets, with instructions to said Lessor showing how same has been handled.

4. Lessee agrees to pay all taxes on said property during the life of this agreement as and when the same become due and payable.

5. Lessor and Lessee agree to accept insurance coverage under the Nevada Industrial Insurance Commission, at expense of Lessee.

6. It is further understood and agreed that Lessee shall pay all claims for labor, supplies, material or improvements used in the operation of the mine under this agreement, and keep the property free and clear from any claims. It is understood that Lessor shall prepare and post notices during the life of this lease to the effect that the properties are being operated under this lease and that the same cannot be bound for any debts for labor, materials or supplies, or for any injury to employees, and shall take such other steps as are required by law to protect the same. Lessee agrees to notify Lessor when any notice shall need replacing, otherwise Lessor shall have no responsibility in this connection.

7. The terms of this lease shall extend to the 30th day of September, 1951, a period of one year, or as long thereafter as the Lessee shall pay to the Lessor the sum of Twenty Five Hundred Dollars ($2,500.00) minimum royalty per year. This clause in no way tends to change Paragraph No. 3, Page 2 of this contract for the first year's operation, but is for the protection of both parties hereto after 1st year's operation.

8. Lessee agrees to carry on the work herein provided for continuously during the life of this lease unless such operations shall be prevented by fire, the elements, strike, lockouts, insurrection, interruption in transportation facilities or by Federal, State or Local authority, acts of God, or for any other cause beyond the control of the Lessee.

9. If Lessee shall fail to keep or perform any of the terms, conditions and/or covenants herein contained, Lessor may terminate this lease by giving to Lessee thirty (30) days written notice of Lessor's intention so to terminate, provided that said notice shall fully specify the term or terms, conditions, or covenants concerning which Lessee is in default, and in case Lessee within thirty (30) days after receipt of such notice shall not have remedied such default, then this lease shall be terminated. Upon termination of this lease by expiration or otherwise, Lessee agrees to surrender up the peaceable and quiet possession of said premises and the whole thereof, and it shall be lawful for Lessor or Lessor's agents to enter into and upon the said premises and remove any and all persons in possession thereof, using all necessary force to do so.

None of the improvements now upon said premises shall be removed by the Lessee. All permanent improvements placed thereon by Lessee shall be left intact, but any portable machinery or equipment not permanently installed may be removed by Lessee, provided that if Lessee shall not have removed same within sixty (60) days after the termination of this lease, then the same shall revert to Lessor and become a part of the premises hereby leased.

10. It is agreed by and between the parties hereto that in the event Lessor should have and offer to sell the property hereby leased, the Lessee hereunder shall have the right to purchase the property at the offered price, or the right to refuse to purchase same.

11. This lease shall inure to the benefit of and be binding upon the heirs, administrators, executors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have hereunto set their hands on the day and year first hereinbefore written.

JOHN KAY
Lessor

BIG CASINO MINING CO., Inc.

BY HUGO STANGE, Pres.
Lessee

ATTEST:

JOHN AARHUS, Secy.

(SEAL)

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA

LEASE CONTRACT

THIS LEASE, Made and entered into on this the 1st day of October, A. D. 1950, by and between JOHN KAY of Searchlight, Nevada, hereinafter called "Lessor" and BIG CASINO MINING COMPANY, Incorporated, of Searchlight, Nevada, hereinafter called "Lessee", Lessor also being referred to as First Party and Lessee being referred to as Second Party.

WITNESSETH:

Lessor, in consideration of the faithful keeping and performance of the covenants and agreements hereinafter recited to be kept and performed by the Lessee, does hereby lease and let unto Lessee, all of those certain mining claims, mining ground and improvements thereon and mining equipment appurtenant thereto, situate in the Searchlight Mining District, County of Clark, State of Nevada, more particularly described as follows, to-wit:

> The CASINO and TADDLEY ADDLEY Mining Claims which are recorded in Book 17 at Page 295 of the mining records in the office of the County Recorder of Clark County, State of Nevada, said mining claims being located in Section Thirty-two (32), Township Twenty-eight (28) South, Range Sixty four (64) East, Mount Diablo B & M.

1. It is agreed that Lessee shall have immediate possession of said property and work the same as it shall deem proper, except that the purpose of such work and development shall be for the best interest of the future development and operation of the mine, and provided that it shall perform at least fifty (50) shifts per month in mining operations upon the said premises during each month that this contract remains in force. The word "shifts" as herein used shall mean one (1) man working eight (8) hours each day.

2. It is agreed that Lessee shall commence actual mining and development and operations on or before the 1st day of November, 1950, and Lessor agrees that Lessee shall have possession of all the property, both real and personal, during the life of this lease, and shall have the right to the use of all improvements, workings and dumps situate thereon, and shall have the right to explore, develop and operate and to remove, ship, extract, smelt, mill, sell or otherwise dispose of all ores, metals, and/or minerals removed therefrom.

All work shall be done in a minerlike manner and all underground work shall be timbered where timbering is necessary, and all rubbish and debris removed and the openings kept clear.

3. Lessee agrees to pay to Lessor as rental for said property ten per cent (10%) royalty on the net returns of all ores mined,

milled, shipped, treated and sold. The "net returns" as herein used shall be defined as the proceeds derived from the sale of all ores or metals after deducting railroad freight and transportation, or freight and transportation paid to any other licensed public carrier, and smelter and treatment charges.

It is agreed that in case Lessee transports its own ore and/or concentrates to a smelter, then it may be entitled to deduct the regular freight or transportation charges which would have been made by any railroad or other licensed public carrier from the nearest point to the property hereby leased at which such ore and/or concentrates could have been delivered to the railroad or other licensed public carrier.

Immediately upon the receipt of any moneys derived from the sale of ore and/or concentrates from any mill, smelter or other purchaser, Lessee shall remit to the Lessor at his address in Searchlight, Nevada, ten percent (10%) royalty, together with complete return sheets, with instructions to said Lessor showing how same has been handled.

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5. Lessor and Lessee agree to accept insurance coverage under the Nevada Industrial Insurance Commission, at expense of Lessee.

6. It is further understood and agreed that Lessee shall pay all claims for labor, supplies, material or improvements used in the operation of the mine under this agreement, and keep the property free and clear from any claims. It is understood that Lessor shall prepare and post notices during the life of this lease to the effect that the properties are being operated under this lease and that the same cannot be bound for any debts for labor, materials or supplies, or for any injury to employees, and shall take such other steps as are required by law to protect the same. Lessee agrees to notify Lessor when any notice shall need replacing, otherwise Lessor shall have no responsibility in this connection.

7. The terms of this lease shall extend to the 30th day of September, 1951, a period of one year, or as long thereafter as the Lessee shall pay to the Lessor the sum of Twenty Five Hundred Dollars ($2,500.00) minimum royalty per year. This clause in no way tends to change Paragraph No. 3, Page 2 of this contract for the first year's operation, but is for the protection of both parties hereto after 1st year's operation.

8. Lessee agrees to carry on the work herein provided for continuously during the life of this lease unless such operations shall be prevented by fire, the elements, strike, lockouts, insurrection, interruption in transportation facilities or by Federal, State or Local authority, acts of God, or for any other cause beyond the control of the Lessee.

9. If Lessee shall fail to keep or perform any of the terms, conditions and/or covenants herein contained, Lessor may terminate this lease by giving to Lessee thirty (30) days written notice of Lessor's intention so to terminate, provided that said notice shall fully specify the term or terms, conditions, or covenants concerning which Lessee is in default, and in case Lessee within thirty (30) days after receipt of such notice shall not have remedied such default, then this lease shall be terminated. Upon termination of this lease by expiration or otherwise, Lessee agrees to surrender up the peaceable and quiet possession of said premises and the whole thereof, and it shall be lawful for Lessor or Lessor's agents to enter into and upon the said premises and remove any and all persons in possession thereof, using all necessary force to do so.

None of the improvements now upon said premises shall be removed by the Lessee. All permanent improvements placed thereon by Lessee shall be left intact, but any portable machinery or equipment not permanently installed may be removed by Lessee, provided that if Lessee shall not have removed same within sixty (60) days after the termination of this lease, then the same shall revert to Lessor and become a part of the premises hereby leased.

10. It is agreed by and between the parties hereto that in the event Lessor should have and offer to sell the property hereby leased, the Lessee hereunder shall have the right to purchase the property at the offered price, or the right to refuse to purchase same.

11. This lease shall inure to the benefit of and be binding upon the heirs, administrators, executors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have hereunto set their hands on the day and year first hereinbefore written.

JOHN KAY
Lessor

BIG CASINO MINING CO., Inc.

BY HUGO STANGE, Pres.
Lessee

ATTEST:

JOHN AARHUS, Secy.

(SEAL)

Form MF-100

dma 1482

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

1. (a) Lead, copper, zinc, silver and gold.
(b) None

2. The name of the was originally the Big Casino. The name has now been shortened to Casino. All workings are underground; no placer or open pit.

With the exception of four smaller shafts averaging about 50 feet in depth, all of the following workings are in the main shaft on the property:

(a) 740
(b) 600
(c) None
(d) None

The main shaft is supposed to be 550 feet deep. The water has been lowered to the 300 foot level, leaving 250 feet of flooded shaft and workings. At present, mine makes only about 8,000 gallons per day.

3. (a) The mine is about 4½ miles east of Searchlight, Nevada, and 25 miles east of the railroad shipping point at Nipton, Calif.
(b) Searchlight Mining District.
(c) Township 28 South, Section 32, Range 64 East, Mount Diablo B & M.
(d) Clark County, Nevada.

4. (a) Property is being operated by the Big Casino Mining Co.
(b) Lessee.

5. Not in production yet. Date of production will depend on results of examination of old workings and the uncovering or development of ores justifying the erection of a mill. Work has not progressed far enough for a reasonable estimate to be made at this time.

6. (a) Inapplicable: corporation.

(b) At present we are frankly short on mining experience; one member of the group being a graduate mining engineer but with only a years experience. The plans are to obtain experienced and competent supervision as soon as this preliminary period of cleaning up and mucking out of caved ground will make effecient use of such personnel.

As for business experience, one person has had thirty five years experience, first of supervisory character and then as operator of his own business. Another of the group has had ten years experience conducting his own business.

7. (a) So far as we have been able to determine, all of the original owners and workmen connected with this property are now dead, so that the information, except that from the old assayer of the District, is all of the nature of hearsay:

1. The original work was done by two partners who worked mainly above the 300 foot level but the shaft was somewhat deeper to afford a water supply (water table at about 250 feet). They operated the mine and milled

ore from about 1905 to 1912 or 13.

2. The property was then sold for $35,000 to a stock company which sunk the shaft to 550 feet and milled ore from some of the minor surface workings as well as from the main shaft. This company went broke on the Chicago stock market in 1917, and according to all reports, the mine has never been unwatered since that time.

3. The property, after being tied up in litigation for some time, came into the possession of some thirteen partners who worked at it intermittently on a small scale; no milling having been done on the property since it shut down in 1917. The partnership dwindled down to two old pensioners who passed away a couple of years ago.

4. Various lessees worked the property also (since 1917), and always on a small scale, the latest being in 1940 when some of the mill tails and part of the dump were trucked to a mill in Searchlight. This company went on the rocks because of internal dissention and not because of the Casino or other ores it was milling.

Exploration has consisted of several cuts and shafts (see 2(a)) thruout the length of the claim; two of them, approximately 400 and 700 feet NW of the main shaft are reported to have produced small tonnages of ore.

Because of caved ground, only about 100 feet of drift on the 100 level, 250 feet of drift on the 200 level, and just now unwatered, 200 feet of drift on the 300 level, are accessible. Apparently none of the underground exploration and development has extended much over 200 feet either way from the shaft.

No production records are available; even the smelter returns have been lost - some as recently as last year.

(b) The nearest property is that of the Chief of the Hills, located about a mile to the south. This property was worked for a number of years between 1909 and 1923, but nothing is known as to production or grade of ore. The only other mines with production records are situated in the town of Searchlight, some 4½ miles to the west, and altho not "neighboring" mines it might be pointed out that most of these mines have the same country rock and similar vein formation and mineralization. Two of these mines have been good producers, the Duplex $650,000 and the Quartette $2,900,000 . Please refer to U.S. Geol. Bul. 906-D for further detail.

(c) No reports are available in the nature of mine examinations.

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(a)	(b)	(d)	(e)
John Aarhus	Secy-Treas, D	$10,000	22
Arthur Cowden	D	5,000	12
Homer Richards	D	- - -	12
Hugo Stange	Pres, D	20,000	40
Walter Thing	Vice Pres, D	20,000	160
		Total	246

Note: referring to the above,
(a) All are residents of Searchlight, Nevada.
(c) Mine has not been in production; no salaries paid.
(f) Compensation cannot be carried until actual production begins.
(g,h) The corporation has no preferred stock.

9.

	(a)	(b)	(c)	(d)	(e)
Common stock	$25,000	$24,600	$100	246	None
Preferred stock	None				

10. Mine is not as yet in production.

11. Inapplicable.

12. (a) The strike of the vein is approximately N 40 W; the dip 60 W. Wall rock consists of an andesite porphyry; vein material consists of a shattered zone containing numerous quartz stringers, and has been described as a breccia of the porphyry cemented by quartz. This mineralized zone varies up to 10 or 12 feet in width, with lenses of high grade ore occuring at irregular intervals on both the hanging and footwall sides of the vein.

Surface workings indicate a continuation of the vein some 1200 feet to the N W and 1500 feet to the S E. As stated in 7(a), many of the old workings are still inaccessible, and the unwatering of the 300 level, just completed, will afford our best opportunity to examine the property to any extent.

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(c) Inapplicable.

13. The shipping point by truck (surfaced road) is Searchlight, 4½ miles. The railroad is some 25 miles distant, both points being reached by graded roads which are usually somewhat corrugated (These roads are supposed to be surfaced in the near future but don't hold your breath).

Searchlight is also the nearest residence point; supplies come from Las Vegas, Nevada, and Kingman, Arizona, 55 and 70 miles respectively from Searchlight over surfaced roads (good macadam).

14. Mine water will be used for milling, as it was before. Quantity is supposed to be about 15,000 gal per day, continuous flow. If necessary, additional water can be obtained some two miles distant.

15. Not being in operation yet, very little power is required and for the present we are using gasoline driven equipment. A power line is supposed to be run within a half mile of the mine; if so, power will be available at about 1.6¢ / KwHr. Lacking that, we will have to install our own power unit.

16. No outside labor has been hired to date as only preliminary mucking out, timbering and unwatering have been done to date.

17. Buildings consist of the following:
    1. "Boarding House", consisting of the reconditioned living quarters still standing on the property - approx. 12 x 24
    2. Bunkhouse, new, sheet metal - 12 x 16
    3. Assay office, " " - 12 x 16
    4. Shop building, " " - 22 x 60

Equipment consists of a 25 HP hoist, skip and cars, air receivers, jackhamers and stopers, usual shop equipment such as welding rigs, forge, etc.

18. None.

CERTIFICATION

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

BIG CASINO MINING CO. By W S Thing
W S Thing, Vice Pres.

May 28, 1951

Form MF-100

dmr 1482X

BIG CASINO MINING CO.
SEARCHLIGHT, NEVADA.

1. (a) Lead, copper, zinc, silver and gold.
(b) None

2. The name of the was originally the Big Casino. The name has now been shortened to Casino. All workings are underground; no placer or open pit.

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ore from about 1905 to 1912 or 13.

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4. Various lessees worked the property also (since 1917), and always on a small scale, the latest being in 1940 when some of the mill tails and part of the dump were trucked to a mill in Searchlight. This company went on the rocks because of internal dissention and not because of the Casino or other ores it was milling.

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		Total	246

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BIG CASINO MINING CO. By W S Thing
W S Thing, Vice Pres.

May 28, 1951

Form MF-100

dmd 14821X

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SEARCHLIGHT, NEVADA.

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(b) None

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W S Thing, Vice Pres.

May 28, 1951