DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

D.M.E.A. ~~DMA~~ Docket No. 2278

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION LOAN

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 Cable 505 - Rm. 4070

To:	Base Metals Div.	Date	12/11/51
To:	U.S.G.S.	Date	3/6/52
To:	U.S.B.M.	Date	3/6/52
To:	Operating Com	Date	3-19-52
To:	Operating Com	Date	4-11-52
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CONTROLLED DOCUMENT

Dockets

FILE COPY
SURNAME:

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

Moulds
Hayes
Hedges
F. Johnson

APR 1 7 1952

Mr. Paul C. Lyon, Jr.
Mutual Ventures Syndicate
409 Ness Building
Salt Lake City 1, Utah

Re: Docket No. DMFA 2278
Gold Note Mine
Mutual Ventures Syndicate

Dear Mr. Lyon:

With reference to your application of December 5, 1951 for exploration project assistance for rehabilitation of the Union Tunnel, driving an inclined winze on the Middle Vein, and drifting from the winze to explore the vein; the Government has made a detailed study of the data submitted by you and also all geological and field data presently available.

We find that prior exploration conducted on this vein and other veins on your property has not resulted in a significant production of base mineral. Your proposal to further explore in the vicinity of the reported base metal mineralization, therefore, does not appear to be sufficiently supported by geological or production evidence to substantiate the possibility of discovery and production of a significant amount of base metal. Your application for exploration assistance under Mineral Order-5 is, therefore, denied.

We appreciate the opportunity to review your project in the interest of strategic mineral discovery and ultimate production, and regret that it does not fulfill the requirements for Government participation.

Sincerely yours,

C. O. Mittendorf (for) 4/17

Acting Administrator
Defense Minerals Exploration
Administration

DEMoulds/hmj
4-9-52
CC to: Adm. Reading File
Docket File Copy
Mr. McKnight
Mr. Bishop
Region III
Mr. Moulds

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

April 9, 1952

Memorandum

To: Mr. C. O. Mittendorf, Acting Administrator

From: D. E. Moulds, Base Metals Division

Subject: Recommendation for denial of Docket No. DMEA 2278. Mutual Ventures Syndicate, Gold Note Mine

The applicant has proposed to explore a lead-zinc showing in the Middle Vein by inclined winze and drifting. The exploration including the necessary road repair and rehabilitation of prior workings is estimated to cost $16,000. The basis for the exploration is the recent reopening of the Union Tunnel and the indicated lead-zinc ore found at the intersection of the tunnel and the Middle Vein. The average of 17 samples is stated to be Au. 0.18 oz., Ag. 18 oz., Pb. 6.27%, Zn. 5.82%, and Cu. 0.75%.

Review of the information available indicates that the past production from the District has been from enriched surface zones with silver the main value and the primary sulfides are too low grade to mine profitably. Geological Survey Bulletin 414 by F. L. Ransome describes the West drift of the Middle Vein in the Gold Note Mine as being 1 - 3 feet wide composed of quartz and abundant pyrite with associated galena, sphalerite, tetrahedrite and chaleopyrite. The pyritic parts of the vein are low grade and the richer ore is bunchy and difficult to mine.

It thus appears that the ore showing, from which the samples averaging 6.27% lead and 5.82% zinc were derived, may be from a small localized shoot and that the mine in general is too low in grade to produce a significant tonnage of base metal as a result of the exploration. This premise is generally supported by the extensive workings on the Middle Vein from the Union Tunnel and Morning Star Tunnel as well as on the Blossom Vein, past production from the mine, and the fact that only this one place is mentioned for lead-zinc possibilities.

On the basis of this analysis it is believed that the application should be denied as unwarranted in the interest of future base metal production. The applicant, however, does indicate by the samples and other statements that the area to be explored "is a different type of vein".

The application was, therefore, transmitted to the Region for review prior to advising the applicant of denial. A report has been received from the Region advising that the property was examined in April 1950, and the 2-foot lens of lead-zinc ore exposed was sampled and averaged 1.0% Pb, 1.5% Zn, 0.2% Cu, 0.24 oz. Au, and 5.08 oz. Ag. The ore, therefore, was indicated to be low grade base metal with the main values in gold and silver.

On the basis of the base metal content and the small exposure of mineralization, the Regional Office has recommended that the project be denied. This Division, therefore, recommends that the applicant be advised of the denial of his application for exploration project assistance.

D. E. Moulds

D. E. Moulds

Attachments

500
FILE COPY
SURNAME:

Moulds

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

April 9, 1952

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D. E. Moulds (meh)

D. E. Moulds

Attachments

DEMoulds/meh
cc to: Docket File Copy
Adm. Reading File Copy
Operating Comm. Copy
Mr. Moulds

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

April 3, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, Defense Minerals Exploration Administration, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2278 (Lead-Zinc), Mutual Ventures Syndicate

Reference is made to your subject letter dated March 20, and to my memorandum to you on the same subject dated March 26.

Mr. A. C. Johnson has sent me the following information on the Mutual Ventures Syndicate Mine, which seems to be sufficient for you to recommend denial of the loan.

Mr. Russell Trengove examined the property in April 1950. With respect to the 2-foot lens of lead-zinc ore exposed in the bottom of the first crosscut west of the reopened Union adit, Mr. Trengove reports that the sample taken averaged 1.0% Pb, 1.5% Zn, 0.2% Cu, 0.24 oz. Au, and 5.08 oz. Ag. A sample taken of sorted ore from the vein at the loading pocket assayed 2.4% Pb, 4.3% Zn, 0.33% Cu, 0.17 oz. Au, and 9.03 oz. Ag. Only 3 to 4 feet of the lens were exposed along the strike at the time Trengove made his examination. He recommended at the time that a 2-foot lens exposed for only a few feet along the strike, is not sufficient evidence to justify an exploration loan on the property.

The Bureau of Mines in Washington should have a copy of Trengove's report which is titled "Preliminary Report, Gold Note Mine", Pershing County, Nevada (Lead-Silver-Gold).

Subject docket is being returned herewith.

Defense Minerals Exploration Administration
APR 7 1952

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

Attachment

Copy to E. H. Bailey, USGS

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

March 26, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, Defense Minerals Exploration Administration, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2278 (Lead-Zinc), Mutual Ventures Syndicate

Reference is made to your subject letter dated March 20. This is to advise you that we are today referring the subject docket to our mining engineers at Reno for a field examination.

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

Copy to E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

MAR 31 1952

FILE COPY
Surname:

Moalde

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

MAR 2 0 1952

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

Re: Docket No. DMEA 2278 (Lead-Zinc)
Mutual Ventures Syndicate

Dear Mr. Miller:

We are transmitting herewith one copy of Form MF-100 and MF-103 with two attached maps covering the application of Mutual Ventures Syndicate for exploration of the Gold Note Mine, Humbolt County, Nevada.

The applicant has proposed to explore a lead-zinc showing in the Middle Vein by inclined winze and drifting. The exploration including the necessary road repair and rehabilitation of prior workings is estimated to cost $16,000. The basis for the exploration is the recent reopening of the Union Tunnel, and the indicated lead-zinc ore found at the intersection of the tunnel and the Middle Vein. The average of 17 samples is stated to be Au. 0.18 oz., Ag. 18 oz., Pb. 6.27%, Zn. 5.82%, and Cu. 0.75%.

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On the basis of this analysis it is believed that the application should be denied as unwarranted in the interest of future base metal production. The applicant, however, does indicate by the samples and other statements that the area to be explored "is a different type of vein". We are, therefore, transmitting the application to your office before advising the applicant of denial. If you have any information which will confirm or disprove the denial, or if you believe a field examination is warranted, advise as soon as possible so that final action may be taken.

Sincerely yours,

(Signed) FRANK E. JOHNSON (FHB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures - 4

APPROVED:

J. H. Hedges (FHB)
Member, Bureau of Mines

K. P. Thayer (FHB)
Member, Geological Survey

D.H.
3-20-52

DEMoulds/meh/hmj
3-17-52
cc to: Adm. R. File
Operating Committee
Mr. Bishop
Mr. McKnight
Mr. Moulds
Region III
Docket File Copy

IN REPLY REFER TO:

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

March 12, 1952

Memorandum

Re: DMEA-2278
Gold Note Mine
Kennedy District
Pershing County, Nevada
$15,944

To: Mr. D. E. Moulds

From: E. L. Newcomb

Subject: Geological Review

The applicant requests exploration assistance for the following purposes:

(1) To repair 3 miles of access road
(2) To repair a dwelling
(3) To rehabilitate 400 feet of tunnel and 100 feet of drift.
(4) To drive an inclined winze on lead-zinc mineralization and 100 feet of drift from the bottom of the proposed winze.

The applicant's map indicates that 5 nearly parallel veins have been developed by the old workings. The veins strike N 65° W and dip 25-30° S. Rocks in the area are rhyolite flows and basaltic dikes and sills.

According to the applicant, the mine was closed during the last war because it was principally a gold producer. As a result of this inactivity, the workings are extensively caved. A part of the Union tunnel and the west drift on the Middle vein have been reopened. The applicant states that the present heading on this drift is in ore, which averages 6.3% Pb and 5.8% Zn. The ore is in a 2-foot vein which dips 30° S.

The Gold Note mine is located in a district which is characterized by quartz-tetrahedrite-galena veins. The veins are largely quartz, with sparingly disseminated pyrite, tetrahedrite, galena and sphalerite. The primary sulfide is too low grade to be profitably worked, but their enriched surface zones carry high silver values. The mine was developed in the 1890's and the production has been mostly from the oxidized zone above the Union tunnel. Up to the present time, the mine has been worked intermittently as a silver producer.

The following description of mineralization in the west drift of the Middle vein is given in Geological Survey Bulletin 414, Mining Districts in Humboldt County, Nevada, by F. L. Ransome - The vein is 1-3 feet wide and is composed of quartz and abundant pyrite. Associated with these minerals are galena, sphalerite, tetrahedrite and a little chalcopyrite. The pyritic parts of the vein are low grade and the richer ore

is bunchy and difficult to mine.

The application is recommended for denial on the basis that the lead-zinc mineralization is low grade and significant quantities of commercial base metal ore are unlikely to be developed by further exploration.

E. L. Newcomb

E. L. Newcomb
Geologist

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

March 12, 1952

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Pershing County, Nevada
$15,944

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E. L. Newcomb

E. L. Newcomb
Geologist

Subject: DMEA-2278
Re: Exploration Loan

Mr. Paul C. Lyon, Jr.
Mutual Ventures Syndicate
409 Ness Building,
Salt Lake City 1, Utah

My dear Mr. Lyon:

This will acknowledge receipt of your application dated December 5, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2278 and referred to the Base Metals Division.

Kindly refer to DMEA-2278 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS
Robert E. Adams,
Acting Administrative Officer

7862

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dmea-2278

Date received 12/11/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 11 1951

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Name and address of applicant

Date NOV 30 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Crude Gold-Silver-Lead-Zinc Ores
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Gold Note Mine
   (*a*) Linear feet of shafts. 130
   (*b*) Linear feet of drifts and crosscuts. 1000
   (*c*) Linear feet of tunnels or adits. 3000
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Some water.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 57 miles south of Winnemucca, Nev.
   (*b*) Mining district. Kennedy
   (*c*) Township, Section, Range. T 28N R 37 E Mt. Diablo B & M.
   (*d*) County, State. Pershing County, Nevada
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Idle.
   (*b*) Are you operating this property as:
   - ☒ Owner. Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production 20
   If not in production or operation, estimated date when production will begin April, 1952
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Paul C. Lyon, Jr. B.S. in mining, M.S. in metallurgy plus 12 years experience in mining. Paul C. Lyon 30 years management experience.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Attached. L-208 closing order.
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Not available.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Not available.

16—63792-2

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
						Addresses	
Paul C. Lyon	President D	$2400		60		Salt Lake City, Utah	
Paul C. Lyon, Jr.	Sec-Treas D	1500		2		do.	
Adiel F. Stewart	Vice Pres. D	none		24		do.	
W. J. Eldredge	D	none		13½		do.	
G. Iland Passey	D	none		21		do.	
A. H. Christenson	Vice Pres. D	none		12½		Provd, Utah	
S. S. Kunz	D	none		17		Salt Lake City, Utah	
Parley G. James	D	none		10		do.	
H. Roy Neilson	D	none		7		do.	
	Total	$3900	x x x x x	167		x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 200,000	$ 59,000	$100.00	590	$30.00/year
Preferred stock	$	$	$		

*Indicate period covered. 9/49 to 2/51

10. Production:

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

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

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Ore o[illegible]rs in veins (5 having bee[illegible]cut). Vein matter is brecciated andesite, rhyolite and pyrite in [illegible]est w[illegible]kings, and same plus quarts, galena, shalerit[illegible] pyrites in Nw middle [illegible]in. Veins dip SW, strike NW

16-63792-1

Ore associated with 2 rh[illegible]ite plugs, near out[illegible] [illegible]or granite stock. Pro-
duction mostly gold (average 2.0 oz/ton) and silver, but future production
indicated Lead-Zinc-Si[illegible]r (sulfides). See accomp[illegible]ng Form MF-103.

(*b*) If deposit is other than p[illegible]er:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. See map with accompanying Form MF-103.

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	Not available				
Indicated (probable)	Not available, but considerable.				

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: Good road, 57 miles, to Winnemucca; 3 miles to mine needs work.
Give road distances to shipping, supply and residence points, stating kind and condition of roads.
Also road to Lovelock, 60 miles and to Battle Mountain, 55 miles.

14. Water Supply: Adequate culinary water, also mine water; always available.
State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power: None
State amount of power used, rate per hour, and source thereof.

16. Labor: Idle. Last working included 2 miners.
State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: 1 1-room dwelling (fair), 1 4-room dwelling (poor), and 1 garage. Also 1 mine car and 1 forge.
Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
No. Refer Form MF-103.

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.

Mutual Ventures Syndicate
(Name of company)

By Paul E. Lyon Jr.
(Signature of authorized official)

DEC 5 1951
(Date)

Secretary-Treasurer
(Title)

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

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

Form MF-100

7 (a). Gold was discovered in the Kennedy Mining District in 1893, the year that the Gold Note Mine was found. Shipments to smelters from the camp from 1893 to 1905 amounted to $235,000.00, over half of which came from the Gold Note Mine, and nearly all from the oxidized zone above the Union Tunnel level. Some ore was mined below the Union Tunnel (which is the water level); this was sulfide ore in which the gold was not free-milling.

From 1905 until 1934, little mining was done, principally because the gold was not free-milling and the 57-mile haul over poor desert roads precluded mining any but exceptionally rich crude ore. The road has been improved greatly since then. Leasers in 1934 and 1939 shipped approximately $50,000.00 worth of gold ore from the Blossom Vein, it coming largely from below the Union Tunnel level (water level).

The drifts and crosscuts in the mine were driven prior to 1934.

Leasers started to rehabilitate the mine in 1941, but World War II forced the mine to become idle, since it was a gold mine. The workings and tunnels caved.

Where the Union Tunnel cuts the Middle Vein, the drift to the northwest encounters a fault zone; the area was caved when we (Mutual Ventures Syndicate) purchased the property in 1939 (the Union Tunnel and other mine workings also caved during World War II), but the former owner and a former leaser claimed that the vein on the northwest side of the fault contained considerable lead and zinc. Recently, we have re-opened the Union Tunnel and have timbered it into the Middle Vein (400 feet) and also cleaned out and timbered the northwest drift (100 feet) to expose the lead and zinc showings. The lead and zinc occur as galena and sphalerite in a two-foot vein. The vein matter here is definately different than that in the former workings of the mine; besides containing considerable percentages of galena and sphalerite, it has a higher silver content and lower gold content, in fact the gold-silver ratio is only 10% of that in ore shipped previously. The average assays of the 17 face samples and muck samples taken there are: Au 0.18 oz., Ag. 18.0 oz., Pb. 6.27%, Zn 5.82% and Cu 0.75%. The balance of the vein filling is mostly quartz and iron pyrites.

We plan to sink on this lead-zinc vein and we believe that it may produce a large tonnage of lead-zinc-silver ore.

Please refer to the map included with Form MF-103.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. Dmea - 2278
Metal or Mineral
Date Received 12/11/51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 11 1951

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Name and address of applicant

Date DEC 5 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Mutual Ventures Syndicate
(Name of company)

By Paul C. Lyons Jr.
(Signature of authorized official)

DEC 5 1951
(Date)

Secretary-treasurer
(Title)

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

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

Form MF-103

Mutual Ven[illegible]s Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

1. (a) Sterling Lode Mining Claims Nos. 2 and 3, recorded in Book R of notices, pages 588 to 589 in the office of the County Recorder of Humboldt County at Winnemucca, Nevada. The claims are locates in Kennedy Mining District, Pershing County (formerly Humboldt County), Nevada.

(b) Not applicable.

(c) Same as (a).

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

2. (a) Lead, Zinc, Copper, Silver and Gold.

(b) Please refer to the enclosed map.

The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the veins. The vein matter is brecciated andesite, rhyolite and pyrite except northwest of the principal workings where the Middle Vein contains quartz, galena, sphalerite and pyrites (This is the area in which we propose to explore next Spring). The veins strike northwest-southeast and dip 30° to 50° to the southwest. It is possible that the Morning Star and Blossom veins are the same.

The country rock is a fine-grained andesite which has been intruded by two plugs of light-colored rhyolite. The ore is associated with the rhyolite. The mine is situated at the southeast edge of a granitic intrusion (stock).

The mine was closed during World War II by the L-208 closing order, since it had been principally a gold mine. The workings caved badly during that period. Recently, we have re-opened the Union Tunnel and have found a good lead-zinc showing in the Middle Vein to the northwest; this is far removed from the old gold stopes and is a different type of vein. Ore shipped from the old stopes contained 1 to 4 oz. gold and 10 to 30 oz. silver per ton with minor amounts of lead and copper; the new lead-zinc showing contains 3 to 16% lead, 3 to 16% zinc, 5 to 55 oz. silver/ton and 0.1 to 0.4 oz. gold per ton. We wish to explore this lead-zinc showing by following it downward with an incline.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

3. (a) The proposed work consists of the following:

1. Repair 3 miles of road to permit good access to the property. not more than:	$1000.
2. Repair dwelling to make livable	500
3. Rehabilitate 400 feet of the "Union Tunnel" from portal to middle vein and 100 feet of drift NW from the tunnel, including replacement of all ties and rails. (the present rails are corroded excessively)	2340
4. Drive an inclined winze to the southwest approximately 30° dip to explore the lead-zinc mineralization in the vein. this winze will be timbered. The rock will be handled by mine car and air hoist.	7185
5. Drift a total of 100 feet from the proposed winze to explore the vein farther	4919
TOTAL COST OF PROJECT	$15,944

(b) The time required to start th project and to complete it is approximately seven (7) months, divided as follows:

Repair road and dwelling	1 month
Rehabilitation	1 "
Drive winze	3 "
Drifting	2 "
TOTAL	7 months

It is felt that the work should begin early in the Spring to insure completion before winter. April 1, 1952 is the tentative date.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

5. Existing facilities consist of:

One 4-room dwelling, badly in need of repair. It has a good roof, but needs windows, doors, lining and bracing. Estimate $500 will make it habitable.

One small one-room cabin in fair condition. Needs some repair.

One storage building or garage in fair condition.

One steel mine car.

One forge and anvil.

Buildings mentioned above are situated about ~~½~~ one-fourth mile from the mine. Culinary water is available from a well in an adit near the camp, however the well will need a little repair to make it clean.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

6. None

7. (a) Operating equipment to be rented:

1	210 cfm air compressor @ $300.00 per month (estimated rental) for 5 months.	$1500.00
1	Air hoist @ $50.00 per month for 5 months.	250
1	Jackhammer on shell @ $40.00 per month for 5 months	200
1	Double-drum hoist and scraper @ $50.00 per month for 2 months	100
		$2050

(b) Operating equipment to be purchased:

1	Air storage tank & fittings estimated cost for used tank	$150
1	Mine car (new)	$150
1	Air pump (reciprocating) to pump water from winze	200
		$500

(c) Operating equipment we own:

1 Mine car

1 Forge and anvil (with shelter).

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

8. The schedule of labor to be employed in this project is:

1 Supervisor, engineer & bookkeeper. Maximum monthly salary $350.00, or $2100.00 for six months.

2 Miners @ $15.00 per day each, plus overtime. Six day week. The $15.00 includes state and federal taxes. Estimated amount of miner's wages for six months, including overtime is $4860.00.

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

9. In addition to the labor cost listed in Question 8 and the amounts estimated for repairing the road and building, the following costs will be incurred:

1300 ft. of 12 lb. mine rail (delivered)	$485
Splice bars, bolts, and spikes for track	90
850 ft. 2 in. black pipe (deivered at mine)	595
Timber and ties	1434
Powder, fuse and caps	530
Steel and bits	200
Fuel for compressor	1000
Misc. hand tools (picks, shovels, etc) & supplies	400
Assaying	200
Total	$4934

Total Labor (8)	$6960
Total Equipment rental & purchase	$2550
Repair road and building	$1500
Grand Total	$15,944

See next page for more detailed breakdown of expenses.

Form MF-103 Question 9, cont'd.

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Explanation of costs:

Repair 3 miles of road, contracted work, est.		$1000
Repair dwelling, labor and materials		500
Rehabilitate 400 ft. of Union Tunnel & 100 ft. drift:		
1000 ft. 12# rail (delivered at mine)	$360	
Splice bars, bolts and spikes	70	
500 ft. 2" black pipe (delivered)	350	
Timber and ties	400	
Labor- 2 men, 25 days (1 month) @ $30.00/ day base. Muck, timber, lay rail & pipe, set up equip.	810	
Engineering, supervision, bookkeeping, etc. for 1 month @$350.00/mo.	350	2340
Drive 100 ft of winze:		
Labor - 2 men, 3 months (75 days) @ $30.00/day base (incl. taxes). Mining, hoisting, timbering, etc.	2430	
Engineering, supervision, bkkpg, etc. for 3 months @ $350.00/mo.	1050	
300 ft. 12# rail (delivered), including frogs & switches, Y at top of winze, etc.	125	
Splice bars, bolts & spikes	20	
250 ft. 2" black pipe (100 ft. air and 150 ft. mine water)	175	
Timber & ties	650	
Powder @ $2.65 per foot, incl. fuse, caps	265	
210 cfm compressor, rent @ $300.00/mo.x3	900	
Air hoist @ $50/mo., 3 months	150	
Jackhammer & shell @ $40/mo. 3 months	120	
Fuel	600	
Steel & bits	100	
Misc. hand tools, oil, grease, supplies	200	
Pump & air receiver (60% of cost)	300	
Assaying	100	7,185
Drift 100 ft. from winze:		
Labor - 2men, 50 days (1 mo) @ $30/day base	1620	
Engineering, supervision, bkkpg. 2 mos.	700	
100 ft. 2" black pipe (air or water)	70	
Timber	384	
Powder @ $2.65/ft., incl. fuse & caps	265	
Compressor, rent 2 months @ $300/mo.	600	
Air hoist, jackhammer, & 2-drum hoist & scraper (slusher), all @$140/month	280	
Fuel	400	
Steel & bits	100	
Misc. hand tools, supplies, etc.	200	4,919
Pump & air receiver (40% of cost)	200	
Assaying	100	
		$15, 944

Form MF-103

Mineral Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

10. (a) We are prepared to invest $7,972.00 in the proposed project, in cash and labor.

(b) Yes. 50%.

11. None

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMA-2278
Metal or Mineral
Date Received 12/11/51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 11 1951

Name and address of applicant

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Date DEC 5 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Mutual Ventures Syndicate
(Name of company)

By Paul E. Lyons Jr.
(Signature of authorized official)

DEC 5 1951
(Date)

Secretary-treasurer
(Title)

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

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

Form MF-103

Wu[illegible] Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

1. (a) Sterling Lode Mining Claims Nos. 2 and 3, recorded in Book R of notices, pages 588 to 589 in the office of the County Recorder of Humboldt County at Winnemucca, Nevada. The claims are locates in Kennedy Mining District, Pershing County (formerly Humboldt County), Nevada.

(b) Not applicable.

(c) Same as (a).

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

2. (a) Lead, Zinc, Copper, Silver and Gold.

(b) Please refer to the enclosed map.

The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the veins. The vein matter is brecciated andesite, rhyolite and pyrite except northwest of the principal workings where the Middle Vein contains quartz, galena, sphalerite and pyrites (This is the area in which we propose to explore next Spring). The veins strike northwest-southeast and dip 30° to 50° to the southwest. It is possible that the Morning Star and Blossom veins are the same.

The country rock is a fine-grained andesite which has been intruded by two plugs of light-colored rhyolite. The ore is associated with the rhyolite. The mine is situated at the southeast edge of a granitic intrusion (stock).

The mine was closed during World War II by the L-208 closing order, since it had been principally a gold mine. The workings caved badly during that period. Recently, we have re-opened the Union Tunnel and have found a good lead-zinc showing in the Middle Vein to the northwest; this is far removed from the old gold stopes and is a different type of vein. Ore shipped from the old stopes contained 1 to 4 oz. gold and 10 to 30 oz. silver per ton with minor amounts of lead and copper; the new lead-zinc showing contains 3 to 16% lead, 3 to 16% zinc, 5 to 55 oz. silver/ton and 0.1 to 0.4 oz. gold per ton. We wish to explore this lead-zinc showing by following it downward with an incline.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

3. (a) The proposed work consists of the following:

1. Repair 3 miles of road to permit good access to the property. not more than:	$1000.
2. Repair dwelling to make livable	500
3. Rehabilitate 400 feet of the "Union Tunnel" from portal to middle vein and 100 feet of drift NW from the tunnel, including replacement of all ties and rails. (the present rails are corroded excessively)	2340
4. Drive an inclined winze to the southwest approximately 30° dip to explore the lead-zinc mineralization in the vein. this winze will be timbered. The rock will be handled by mine car and air hoist.	7185
5. Drift a total of 100 feet from the proposed winze to explore the vein farther	4919
TOTAL COST OF PROJECT	$15,944

(b) The time required to start th project and to complete it is approximately seven (7) months, divided as follows:

Repair road and dwelling	1 month
Rehabilitation	1 "
Drive winze	3 "
Drifting	2 "
TOTAL	7 months

It is felt that the work should begin early in the Spring to insure completion before winter. April 1, 1952 is the tentative date.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

5. Existing facilities consist of:

One 4-room dwelling, badly in need of repair. It has a good roof, but needs windows, doors, lining and bracing. Estimate $500 will make it habitable.

One small one-room cabin in fair condition. Needs some repair.

One storage building or garage in fair condition.

One steel mine car.

One forge and anvil.

Buildings mentioned above are situated about one-fourth mile from the mine. Culinary water is available from a well in an adit near the camp, however the well will need a little repair to make it clean.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

6. None

7. (a) Operating equipment to be rented:

1	210 cfm air compressor @ $300.00 per month (estimated rental) for 5 months.	$1500.00
1	Air hoist @ $50.00 per month for 5 months.	250
1	Jackhammer on shell @ $40.00 per month for 5 months	200
1	Double-drum hoist and scraper @ $50.00 per month for 2 months	100
		$2050

(b) Operating equipment to be purchased:

1	Air storage tank & fittings estimated cost for used tank	$150
1	Mine car (new)	$150
1	Air pump (reciprocating) to pump water from winze	200
		$500

(c) Operating equipment we own:

1 Mine car

1 Forge and anvil (with shelter).

Mineral Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Form MF-103

8. The schedule of labor to be employed in this project is:

1 Supervisor, engineer & bookkeeper. Maximum monthly salary $350.00, or $2100.00 for six months.

2 Miners @ $15.00 per day each, plus overtime. Six day week. The $15.00 includes state and federal taxes. Estimated amount of miner's wages for six months, including overtime is $4860.00.

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Form MF-103

9. In addition to the labor cost listed in Question 8 and the amounts estimated for repairing the road and building, the following costs will be incurred:

1300 ft. of 12 lb. mine rail (delivered)	$485
Splice bars, bolts, and spikes for track	90
850 ft. 2 in. black pipe (deivered at mine)	595
Timber and ties	1434
Powder, fuse and caps	530
Steel and bits	200
Fuel for compressor	1000
Misc. hand tools (picks, shovels, etc) & supplies	400
Assaying	200
Total	$4934

Total Labor (8)	$6960
Total Equipment rental & purchase	$2550
Repair road and building	$1500
Grand Total	$15,944

See next page for more detailed breakdown of expenses.

Form MF-103 Question 9, cont'd.

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Explanation of costs:

Repair 3 miles of road, contracted work, est.		$1000
Repair dwelling, labor and materials		500
Rehabilitate 400 ft. of Union Tunnel & 100 ft. drift:		
1000 ft. 12# rail (delivered at mine)	$360	
Splice bars, bolts and spikes	70	
500 ft. 2" black pipe (delivered)	350	
Timber and ties	400	
Labor- 2 men, 25 days (1 month) @ $30.00/ day base. Muck, timber, lay rail & pipe, set up equip.	810	
Engineering, supervision, bookkeeping, etc. for 1 month @$350.00/mo.	350	2340
Drive 100 ft of winze:		
Labor - 2 men, 3 months (75 days) @ $30.00/day base (incl. taxes). Mining, hoisting, timbering, etc.	2430	
Engineering, supervision, bkkpg, etc. for 3 months @ $350.00/mo.	1050	
300 ft. 12# rail (delivered), including frogs & switches, Y at top of winze, etc.	125	
Splice bars, bolts & spikes	20	
250 ft. 2" black pipe (100 ft. air and 150 ft. mine water)	175	
Timber & ties	650	
Powder @ $2.65 per foot, incl. fuse, caps	265	
210 cfm compressor, rent @ $300.00/mo.x3	900	
Air hoist @ $50/mo., 3 months	150	
Jackhammer & shell @ $40/mo. 3 months	120	
Fuel	600	
Steel & bits	100	
Misc. hand tools, oil, grease, supplies	200	
Pump & air receiver (60% of cost)	300	
Assaying	100	7,185
Drift 100 ft. from winze:		
Labor - 2men, 50 days (1 mo) @ $30/day base	1620	
Engineering, supervision, bkkpg. 2 mos.	700	
100 ft. 2" black pipe (air or water)	70	
Timber	384	
Powder @ $2.65/ft.,incl. fuse & caps	265	
Compressor, rent 2 months @ $300/mo.	600	
Air hoist, jackhammer, & 2-drum hoist & scraper (slusher), all @$140/month	280	
Fuel	400	
Steel & bits	100	
Misc. hand tools, supplies, etc.	200	
Pump & air receiver (40% of cost)	200	(4,919)
Assaying	100	4,919
		$15, 944

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

10. (a) We are prepared to invest $7,972.00 in the proposed project, in cash and labor.

    (b) Yes. 50%.

11. None

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. Dmea-2278
Metal or Mineral
Date Received 12/11/51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 11 1951

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Name and address of applicant

Date DEC 5 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Dubral Ventures Syndicate
(Name of company)

By Paul E. Lyon Jr.
(Signature of authorized official)

DEC 5 1951
(Date)

Secretary – Treasurer
(Title)

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

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

Form MV-103

Mutual Ventures Syndic

409 NESS BUILDING
SALT LAKE CITY 1, UTAH

1. (a) Sterling Lode Mining Claims Nos. 2 and 3, recorded in Book R of notices, pages 588 to 589 in the office of the County Recorder of Humboldt County at Winnemucca, Nevada. The claims are locates in Kennedy Mining District, Pershing County (formerly Humboldt County), Nevada.

(b) Not applicable.

(c) Same as (a).

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

2. (a) Lead, Zinc, Copper, Silver and Gold.

(b) Please refer to the enclosed map.

The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the veins. The vein matter is brecciated andesite, rhyolite and pyrite except northwest of the principal workings where the Middle Vein contains quartz, galena, sphalerite and pyrites (This is the area in which we propose to explore next Spring). The veins strike northwest-southeast and dip 30° to 50° to the southwest. It is possible that the Morning Star and Blossom veins are the same.

The country rock is a fine-grained andesite which has been intruded by two plugs of light-colored rhyolite. The ore is associated with the rhyolite. The mine is situated at the southeast edge of a granitic intrusion (stock).

The mine was closed during World War II by the L-208 closing order, since it had been principally a gold mine. The workings caved badly during that period. Recently, we have re-opened the Union Tunnel and have found a good lead-zinc showing in the Middle Vein to the northwest; this is far removed from the old gold stopes and is a different type of vein. Ore shipped from the old stopes contained 1 to 4 oz. gold and 10 to 30 oz. silver per ton with minor amounts of lead and copper; the new lead-zinc showing contains 8 to 16% lead, 8 to 18% zinc, 8 to 55 oz. silver/ton and 0.1 to 6.4 oz. gold per ton. We wish to explore this lead-zinc showing by following it downward with an incline.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

3. (a) The proposed work consists of the following:

1. Repair 3 miles of road to permit good access to the property. not more than:	$1000.00
2. Repair dwelling to make livable	500
3. Rehabilitate 400 feet of the "Union Tunnel" from portal to middle vein and 100 feet of drift NW from the tunnel, including replacement of all ties and rails. (the present rails are corroded excessively)	2340
4. Drive an inclined winze to the southwest @ approximately 30° dip to explore the lead-zinc mineralization in the vein. this winze will be timbered. The rock will be handled by mine car and air hoist.	7135
5. Drift a total of 100 feet from the proposed winze to explore the vein further	4719
TOTAL COST OF PROJECT	$15,944

(b) The time required to start th project and to complete it is approximately seven (7) months, divided as follows:

Repair road and dwelling	1 month
Rehabilitation	1 "
Drive winze	3 "
Drifting	2 "
TOTAL	7 months

It is felt that the work should begin early in the Spring to insure completion before winter. April 1, 1952 is the tentative date.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

5. Existing facilities consist of:

One 4-room dwelling, badly in need of repair. It has a good roof, but needs windows, doors, lining and bracing. Estimate $500 will make it habitable.

One small one-room cabin in fair condition. Needs some repair.

One storage building or garage in fair condition.

One steel mine car.

One forge and anvil.

Buildings mentioned above are situated about ¼ one-fourth mile from the mine. Culinary water is available from a well in an adit near the camp, however the well will need a little repair to make it clean.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

6. None

7. (a) Operating equipment to be rented:

1	210 cfm air compressor @ $300.00 per month (estimated rental) for 5 months.	$1500
1	Air hoist @ $50.00 per month for 5 months.	250
1	Jackhammer on shell @ $40.00 per month for 5 months	200
1	Double-drum hoist and scraper @ $50.00 per month for 2 months	100
		$2050

(b) Operating equipment to be purchased:

1	Air storage tank & fittings estimated cost for used tank	$150
1	Mine car (new)	$150
1	Air pump (reciprocating) to pump water from winze	200
		$500

(c) Operating equipment we own:

1 Mine car

1 Forge and anvil (with shelter).

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

3. The schedule of labor to be employed in this project is:

1 Supervisor, engineer & bookkeeper. Maximum monthly salary $350.00, or $2100.00 for six months.

2 Miners @ $15.00 per day each, plus overtime. Six day week. The $15.00 includes state and federal taxes. Estimated amount of miner's wages for six months, including overtime is $4850.00.

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

9. In addition to the labor cost listed in Question 8 and the amounts estimated for repairing the road and building, the following costs will be incurred:

1300 ft. of 12 lb. mine rail (delivered)	$485
Splice bars, bolts, and spikes for track	90
850 ft. 2 in. black pipe (delivered at mine)	595
Timber and ties	1434
Powder, fuse and caps	530
Steel and bits	200
Fuel for compressor	1000
Misc. hand tools (picks, shovels, etc) & supplies	400
Assaying	200
Total	$4934

Total Labor (8)	$6980
Total Equipment rental & purchase	$2560
Repair road and building	$1500
Grand Total	$15,944

See next page for more detailed breakdown of expenses.

Form MF-103 Question 9, cont'd.

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Explanation of costs:

Repair 3 miles of road, contracted work, est.		$1000
Repair dwelling, labor and materials		500
Rehabilitate 400 ft. of Union Tunnel & 100 ft. drift:		
1000 ft. 12# rail (delivered at mine)	$360	
Splice bars, bolts and spikes	70	
500 ft. 2" black pipe (delivered)	350	
Timber and ties	400	
Labor- 2 men, 25 days (1 month) @ $30.00/ day base. Muck, timber, lay rail & pipe, set up equip.	810	
Engineering, supervision, bookkeeping, etc. for 1 month @$350.00/mo.	350	2340
Drive 100 ft of winze:		
Labor - 2 men, 3 months (75 days) @ $30.00/day base (incl. taxes). Mining, hoisting, timbering, etc.	2430	
Engineering, supervision, bkkpg. etc. for 3 months @ $350.00/mo.	1050	
300 ft. 12# rail (delivered), including frogs & switches, Y at top of winze, etc.	125	
Splice bars, bolts & spikes	20	
250 ft. 2" black pipe (100 ft. air and 150 ft. mine water)	175	
Timber & ties	350	
Powder @ $2.65 per foot, incl. fuse, caps	265	
210 cfm compressor, rent @ $300.00/mo.x3	900	
Air hoist @ $50/mo., 3 months	150	
Jackhammer & shell @ $40/mo. 3 months	120	
Fuel	600	
Steel & bits	100	
Misc. hand tools, oil, grease, supplies	200	
Pump & air receiver (60% of cost)	300	
Assaying	100	7,185
Drift 100 ft. from winze:		
Labor - 2men, 50 days (1 mo) @ $30/day base	1620	
Engineering, supervision, bkkpg. 2 mos.	700	
100 ft. 2" black pipe (air or water)	70	
Timber	384	
Powder @ $2.65/ft.,incl. fuse & caps	265	
Compressor, rent 2 months @ $300/mo.	600	
Air hoist, jackhammer, & 2-drum hoist & scraper (slusher), all @$140/month	280	
Fuel	400	
Steel & bits	100	
Misc. hand tools, supplies, etc.	200	
Pump & air receiver (40% of cost)	200	
Assaying	100	4,919
		$15, 944

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

10. (a) We are prepared to invest $7,972.00 in the proposed project, in cash and labor.

(b) Yes. 50%.

11. None

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dmea-2278

Date received 12/11/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 11 1951

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Name and address of applicant

Date NOV 30 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Crude Gold-Silver-Lead-Zinc Ores
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Gold Note Mine
   (*a*) Linear feet of shafts. 130
   (*b*) Linear feet of drifts and crosscuts. 1000
   (*c*) Linear feet of tunnels or adits. 3000
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Some water.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 57 miles south of Winnemucca, Nev.
   (*b*) Mining district. Kennedy
   (*c*) Township, Section, Range. T 28N R 37 E Mt. Diablo B & M.
   (*d*) County, State. Pershing County, Nevada
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Idle.
   (*b*) Are you operating this property as:
   ☒ Owner. Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production 20
   If not in production or operation, estimated date when production will begin April, 1952
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Paul C. Lyon, Jr. B.S. in mining, B.S. in metallurgy plus 12 years experience in mining. Paul C. Lyon 30 years management experience.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Attached. L-208 closing order.
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Not available.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Not available.

16—63792-2

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated* Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
					Addresses		
Paul C. Lyon	President D	$2400		60	Salt	Lake City, Utah	
Paul C. Lyon, Jr.	Sec-Treas D	1500		2		do.	
Adiel F. Stewart	Vice Pres.D	none		24		do.	
W. J. Eldredge	D	none		13½		do.	
G. Iland Passey	D	none		21		do.	
A. H. Christenson	Vice Pres.D	none		12½	Provo, Utah		
S. S. Kung	D	none		17	Salt	Lake City, Utah	
Parley G. James	D	none		10		do.	
H. Roy Neilson	D	none		7		do.	
	Total	$5900	x x x x x	167		x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$200,000	$59,000	$100.00	590	$30.00/year
Preferred stock	$	$	$		

*Indicate period covered. 9/49 to 2/51

10. Production:

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

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

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Ore occurs in veins (5 having been out). Vein matter is brecciated andesite, rhyolite and pyrite in most workings, and same plus quartz, galena, shalerite [illegible] pyrites in Nw middle vein [illegible] veins dip SW, strike NW. [illegible]

are associated with 2 Phy[illegible]ite plugs, near outer edge of granite stock. Past production mostly gold (average 2.0 oz/ton) and silver, but future production indicated Lead-Zinc-Silver (sulfides). See accompanying Form MF-103.

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

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. See map with accompanying Form MF-103.

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	Not available				
Indicated (probable)	Not available, but considerable.				

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: Good road, 57 miles, to Winnemucca; 3 miles to mine needs work.
Give road distances to shipping, supply and residence points, stating kind and condition of roads.
Also road to Lovelock, 60 miles and to Battle Mountain, 55 miles.

14. Water Supply: Adequate culinary water, also mine water; always available.
State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power: None
State amount of power used, rate per hour, and source thereof.

16. Labor: Idle. Last working included 2 miners.
State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: 1 1-room dwelling (fair), 1 4-room dwelling (poor), and 1 garage. Also 1 mine car and 1 forge.
Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
No. Refer Form MF-103.

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.

Mutual Ventures Syndicate
(Name of company)

By Paul E. Lyon Jr.
(Signature of authorized official)

DEC 5 1951
(Date)

Secretary-Treasurer
(Title)

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

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

Form MF-100

7 (a). Gold was discovered in the Kennedy Mining District in 1893, the year that the Gold Note Mine was found. Shipments to smelters from the camp from 1893 to 1905 amounted to $235,000.00, over half of which came from the Gold Note Mine, and nearly all from the oxidized zone above the Union Tunnel level. Some ore was mined below the Union Tunnel (which is the water level); this was sulfide ore in which the gold was not free-milling.

From 1905 until 1934, little mining was done, principally because the gold was not free-milling and the 57-mile haul over poor desert roads precluded mining any but exceptionally rich crude ore. The road has been improved greatly since then. Leasers in 1934 and 1939 shipped approximately $50,000.00 worth of gold ore from the Blossom Vein, it coming largely from below the Union Tunnel level (water level).

The drifts and crosscuts in the mine were driven prior to 1934.

Leasers started to rehabilitate the mine in 1941, but World War II forced the mine to become idle, since it was a gold mine. The workings and tunnels caved.

Where the Union Tunnel cuts the Middle Vein, the drift to the northwest encounters a fault zone; the area was caved when we (Mutual Ventures Syndicate) purchased the property in 1939 (the Union Tunnel and other mine workings also caved during World War II), but the former owner and a former leaser claimed that the vein on the northwest side of the fault contained considerable lead and zinc. Recently, we have re-opened the Union Tunnel and have timbered it into the Middle Vein (400 feet) and also cleaned out and timbered the northwest drift (100 feet) to expose the lead and zinc showings. The lead and zinc occur as galena and sphalerite in a two-foot vein. The vein matter here is definately different than that in the former workings of the mine; besides containing considerable percentages of galena and sphalerite, it has a higher silver content and lower gold content, in fact the gold-silver ratio is only 10% of that in ore shipped previously. The average assays of the 17 face samples and muck samples taken there are: Au 0.18 oz., Ag. 18.0 oz., Pb. 6.27%, Zn 5.82% and Cu 0.75%. The balance of the vein filling is mostly quartz and iron pyrites.

We plan to sink on this lead-zinc vein and we believe that it may produce a large tonnage of lead-zinc-silver ore.

Please refer to the map included with Form MF-103.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dmea - 2278

Date received 12/11/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 11 1951

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Name and address of applicant

Date NOV 30 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Crude Gold-Silver-Lead-Zinc Ores
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Gold Note Mine
   (*a*) Linear feet of shafts. 150
   (*b*) Linear feet of drifts and crosscuts. 1000
   (*c*) Linear feet of tunnels or adits. 3000
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Some water.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 57 miles south of Winnemucca, Nev.
   (*b*) Mining district. Kennedy
   (*c*) Township, Section, Range. T 28N R 37 E Mt. Diablo B & M.
   (*d*) County, State. Pershing County, Nevada
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Idle.
   (*b*) Are you operating this property as: Owner.
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production 20
   If not in production or operation, estimated date when production will begin April, 1952
6. Experience of operators:
   Describe the mining and general business experience of (i) mining engineers and (ii) metallurgists on the project. Paul C. Lyon, Jr. B.S. 12 years experience in mining. Paul C. Lyon 30 years management experience.
7. History:
   (*a*) Give a statement, as complete as possible, of exploration, development, operation and suspension of property, with reasons for suspension of operation. Attached.
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Not available.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Not available.

16—63792-2

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
					Addresses		
Paul C. Lyon	President D	$2400		60		Salt Lake City, Utah	
Paul C. Lyon, Jr.	Sec-Treas D	1500		2		do.	
Adiel F. Stewart	Vice Pres.D	none		24		do.	
W. J. Eldredge	D	none		13½		do.	
O. Iland Passey	D	none		21		do.	
A. H. Christenson	Vice Pres.D	none		12½		Provo, Utah	
S. S. Runs	D	none		17		Salt Lake City, Utah	
Parley G. James	D	none		10		do.	
H. Roy Neilson	D	none		7		do.	
	Total	$3900	x x x x x	187		x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$200,000	$59,000	$100.00	590	$50.00/year
Preferred stock	$	$	$		

*Indicate period covered. 9/49 to 2/51

10. Production:

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

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

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Ore occurs in veins (5 having been [illegible]). Vein matter is [illegible]recciated andesite, rhy[illegible]te and pyrite in [illegible] workings, and some plus[illegible] quartz, galena, sphalerite & pyrites in NW middle vein. Veins dip SW, str[illegible] are associated with 2 rhyolite plugs, near outer edge of granite st[illegible]

[illegible] NW. [illegible] Fast production mostly gold (average 2.0 oz/ton) and silver, but future production indicated Lead-Zinc-Silver (sulfides). See accompanying Form MF-103.

(*b*) If deposit is other than pl[illegible]

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. See map with accompanying Form MF-103.

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	Not available				
Indicated (probable)	Not available, but considerable.				

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: Good road, 57 miles, to Winnemucca; 3 miles to mine needs work. Also road to Lovelock, 30 miles and to Satch Mountain, 55 miles.

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

14. Water Supply: Adequate culinary water, also mine water; always available.

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

15. Power: None

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

16. Labor: Idle. Last working included 2 miners.

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

17. Equipment and Facilities: 1 1-room dwelling (fair), 1 4-room dwelling (poor), and 1 garage. Also 1 mine car and 1 forge.

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

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain. No. Refer Form MF-103.

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.

Mutual Ventures Syndicate
(Name of company)

By Paul C. Lyon Jr.
(Signature of authorized official)

DEC 5 1951
(Date)

Secretary-Treasurer
(Title)

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

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

Form MP-100

7 (a). Gold was discovered in the Kennedy Mining District in 1893, the year that the Gold Note Mine was found. Shipments to smelters from the camp from 1893 to 1903 amounted to $235,000.00, over half of which came from the Gold Note Mine, and nearly all from the oxidized zone ~~XXXXXX~~ above the Union Tunnel level. Some ore was mined below the Union Tunnel (which is the water level); this was sulfide ore in which the gold was not free-milling.

From 1903 until 1934, little mining was done, principally because the gold was not free-milling and the 87-mile haul over poor desert roads precluded mining any but exceptionally rich crude ore. The road has been improved greatly since then. Leasers in 1934 and 1939 shipped approximately $50,000.00 worth of gold ore from the Blossom Vein, it coming largely from below the Union Tunnel level (water level).

The drifts and crosscuts ~~XXXX~~ in the mine were driven prior to 1934.

Leasers started to rehabilitate the mine in 1941, but World War II forced the mine to become idle, since it was a gold mine. The workings and tunnels caved.

Where the Union Tunnel cuts the Middle Vein, the drift to the northwest encounters a fault zone; the area was caved when we (Mutual Ventures Syndicate) purchased the property in 1939 (the Union Tunnel and other mine workings also caved during World War II), but the former owner and a former leaser claimed that the vein on the northwest side of the fault contained considerable lead and zinc. Recently, we have re-opened the Union Tunnel and have timbered it into the Middle Vein (400 feet) and also cleaned out and timbered the northwest drift (100 feet) to expose the lead and zinc showings. The lead and zinc occur as galena and sphalerite in a two-foot vein. The vein matter here is definately different than that in the former workings of the mine; besides containing considerable percentages of galena and sphalerite, it has a higher silver content and lower gold content, in fact the gold-silver ratio is only 10% of that in ore shipped previously. The average assays of the 17 face samples and muck samples taken there are: Au 0.18 oz., Ag. 18.0 oz., Pb. 6.87%, Zn 5.82% and Cu 0.78%. The balance of the vein filling is mostly quartz and iron pyrites.

We plan to sink on this lead-zinc vein and we believe that it may produce a large tonnage of lead-zinc-silver ore.

Please refer to the map included with Form MP-103.

Question - Exhibit A. (a) The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the five veins. The country rock is a fine grained Andesite, intruded by two plugs of light colored Rhyolite, near the southeast edge of a granitic intrusion. The ore is principally gold and the mine was closed down during World War II by the L-208 closing order. Recently, the owners claim, they have extended the middle Vein beyond a fault and discovered a good showing of Lead-Zinc ore. They now ask for an exploration Loan to explore this vein.

The request for aid is as follows:

1. Repair 3 miles of road to property	$1000
2. Repair dwelling to make livable	500
3. Rehabilitate 400 ft. of the Union Tunnel	2340
4. Drive an inclined winze on the middle Vein to explore the lead-zinc mineralization	7185
5. Drift a total of 100 ft. along Vein from Winze	4919
Total Cost	$15,944

The field team should determine if there is enough evidence of a substantial amount of lead and zinc to constitute a legitimate claim for exploration assistance and if they find that they have, the costs ($71.85 per ft. for sinking winze and $49.19 for driving 100 ft. of drift) should be questioned.

Question. Exhibit A. (b)

Existing facilities consist of:

One 4-Room dwelling, badly in need of repair, will cost $500 to make habitable.

One Small 1-Room Cabin. Needs some repair.

One storage building, or garage.

One Steel Mine Car.

One Forge and anvil.

Operating equipment to be rented:

1. 210 Cu. ft. per min. air Compressor @ $300 per mo. for 5 mos. -	$1500
1. Air hoist @ $50. per mo. for 5 mos.	250
1. Jackhamer on shell @ $40 per mo. for 5 mos.	200
1. Double-drum hoist & scraper @ $50 per mo. for 2 mos.	100
	$ 2050

Operating equipment to be purchased:

1. Air storage tank & fittings	150
1. 1 New mine car	150
1. Air pump to pump water from winze	200
	$ 500

Labor to be employed:

1 Supervisor, engineer & bookkeeper, @ $350 per mo. for 6 mos.
2 Miners @ $5 per day each plus overtime. Estimated Cost: $4860

In addition the following supplies are needed:

1500 ft. of 12 lb. mine rail	$485
Splice bars, bolts & spikes	90
850 ft. of 2" black pipe	595
Timber & ties	1434
Powder, fuse & caps	530
Steel & bits	200
Fuel for compressor	1000
Miscell. tools & supplies	400
Assaying	200
	$ 4934

Total Labor	6960
Total equipment rental & purchase	2550
Repairing roads	1500
Grand total	$15,944.

Question: Exhibit A, (a) The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the five veins. The country rock is a fine grained Andesite, intruded by two plugs of light colored Rhyolite, near the southeast edge of a granite intrusion. The ore is principally gold and the mine was closed down during World War II by the L-208 closing order. Recently, the owners claim, they have extended the middle vein beyond a fault and discovered a good showing of Lead-zinc ore. They now ask for an exploration loan to explore this vein.

The request for aid is as follows:

1.	Repair 3 miles of road to property	$ 1,000.00
2.	Repair dwelling to make livable	500.00
3.	Rehabilitate 400 ft. of the Union Tunnel	2,340.00
4.	Drive an inclined winze on the middle vein to explore the lead-zinc mineralization	7,185.00
5.	Drift a total of 100 ft. along vein from Winze	4,919.00
	Total Cost	$ 15,944.00

The field team should determine if there is enough evidence of a substantial amount of lead and zinc to constitute a legitimate claim for exploration assistance and if they find that they have, the costs ($71.85 per ft. for sinking winze and $49.19 for driving 100 ft of drift) should be questioned.

Question: Exhibit A (d)

Existing facilities consist of:

One 4 room dwelling, badly in need of repair, Will cost $500 to make habitable.
One small 1-room cabin, Needs some repair.
One storage building, or garage
One Steel mine car.
One forge and anvil.

Operating equipment to be rented:

1.	210 cu. ft. permin. air compressor @ $300 per mo. 5 mos.	1,500.00
1.	Air hoist @ $50 per mo for 5 months	250.00
1.	Jackhammer on shell @ $40 per mo for 5 mos.	200.00
1.	Double-drum hoist & scraper @ $50 per mo for 2 mo.	100.00
		$ 2,050.00

Operating equipment to be purchased:

1.	Air storage tank and fittings	150.00

1.	1 new mine car	$ 150.00
1.	Air pump to pump water from winze	200.00
		$ 500.00

Labor to be employed:

1	Supervisor, engineer and bookkeeper, @ $350 per mo. for 6 mos.	
2	Miners @ $15 per day each plus overtime, Estimated cost	4,860.00

In addition the following supplies are needed:

1500 ft of 12 lb mine rail	485.00
Splice bars, bolts and spikes	90.00
850 ft. of 2" black pipe	595.00
Timber & tiles	1,434.00
Powder, fuse and caps	530.00
Steel & bits	200.00
Fuel for compressor	1,000.00
Miscell. tools and supplies	400.00
Assaying	200.00
	4,934 .00
Total Labor	6,960.00
Total equipk rental & purch.	2,550.00
Repair and roads	1,500.00
Grand total	$ 15,944.00

Question: Exhibit A, (a) The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the five veins. The country rock is a fine grained Andesite, intruded by two plugs of light colored Rhyolite, near the southeast edge of a granite intrusion. The ore is principally gold and the mine was closed down during World War II by the L-208 closing order. Recently, the owners claim, they have extended the middle vein beyond a fault and discovered a good showing of Lead-zinc ore. They now ask for an exploration loan to explore this vein.

The request for aid is as follows:

1.	Repair 3 miles of road to property	$ 1,000.00
2.	Repair dwelling to make livable	500.00
3.	Rehabilitate 400 ft. of the Union Tunnel	2,340.00
4.	Drive an inclined winze on the middle vein to explore the lead-zinc mineralization	7,185.00
5.	Drift a total of 100 ft. along vein from Winze	4,919.00
	Total Cost	$ 15,944.00

The field team should determine if there is enough evidence of a substantial amount of lead and zinc to constitute a legitimate claim for exploration assistance and if they find that they have, the costs ($71.85 per ft. for sinking winze and $49.19 for driving 100 ft of drift) should be questioned.

Question: Exhibit A (d)

Existing facilities consist of:

One 4 room dwelling, badly in need of repair, Will cost $500 to make habitable.
One small 1-room cabin, Needs some repair.
One storage building, or garage
One Steel mine car.
One forge and anvil.

Operating equipment to be rented:

1.	210 cu. ft. permin. air compressor @ $300 per mo. 5 mos.	1,500.00
1.	Air hoist @ $50 per mo for 5 months	250.00
1.	Jackhammer on shell @ $40 per mo for 5 mos.	200.00
1.	Double-drum hoist & scraper @ $50 per mo for 2 mo.	100.00
		$ 2,050.00

Operating equipment to be purchased:

1.	Air storage tank and fittings	150.00

1.	1 new mine car	$ 150.00
1.	Air pump to pump water from winze	200.00
		$ 500.00

Labor to be employed:

1	Supervisor, engineer and bookkeeper, @ $350 per mo. for 6 mos.	
2	Miners @ $15 per day each plus overtime, Estimated cost	4,860.00

In addition the following supplies are needed:

1500 ft of 12 lb mine rail	485.00
Splice bars, bolts and spikes	90.00
850 ft. of 2" black pipe	595. 00
Timber & tiles	1,434.00
Powder, fuse and caps	530.00
Steel & bits	200.00
Fuel for compressor	1,000.00
Miscell. tools and supplies	400.00
Assaying	200.00
	4,934 .00
Total Labor	6,960.00
Total equipk rental & purch.	2,550.00
Repair and roads	1,500.00
Grand total	$ 15,944.00

Question: Exhibit A, (a) The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the five veins. The country rock is a fine grained Andesite, intruded by two plugs of light colored Rhyolite, near the southeast edge of a granite intrusion. The ore is principally gold and the mine was closed down during World War II by the L-208 closing order. Recently, the owners claim, they have extended the middle vein beyond a fault and discovered a good showing of Lead-zinc ore. They now ask for an exploration loan to explore this vein.

The request for aid is as follows:

1.	Repair 3 miles of road to property	$ 1,000.00
2.	Repair dwelling to make livable	500.00
3.	Rehabilitate 400 ft. of the Union Tunnel	2,340.00
4.	Drive an inclined winze on the middle vein to explore the lead-zinc mineralization	7,185.00
5.	Drift a total of 100 ft. along vein from Winze	4,919.00
	Total Cost	$ 15,944.00

The field team should determine if there is enough evidence of a substantial amount of lead and zinc to constitute a legitimate claim for exploration assistance and if they find that they have, the costs ($71.85 per ft. for sinking winze and $49.19 for driving 100 ft of drift) should be questioned.

Question: Exhibit A (d)

Existing facilities consist of:

One 4 room dwelling, badly in need of repair, Will cost $500 to make habitable.
One small 1-room cabin, Needs some repair.
One storage building, or garage
One Steel mine car.
One forge and anvil.

Operating equipment to be rented:

1.	210 cu. ft. permin. air compressor @ $300 per mo. 5 mos.	1,500.00
1.	Air hoist @ $50 per mo for 5 months	250.00
1.	Jackhammer on shell @ $40 per mo for 5 mos.	200.00
1.	Double-drum hoist & scraper @ $50 per mo for 2 mo.	100.00
		$ 2,050.00

Operating equipment to be purchased:

1.	Air storage tank and fittings	150.00

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1.	Air pump to pump water from winze	200.00
		$ 500.00

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Steel & bits	200.00
Fuel for compressor	1,000.00
Miscell. tools and supplies	400.00
Assaying	200.00
	4,934 .00

Total Labor	6,960.00
Total equipt rental & purch.	2,550.00
Repair and roads	1,500.00
Grand total	$ 15,944.00

Question: Exhibit A, (a) The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the five veins. The country rock is a fine grained Andesite, intruded by two plugs of light colored Rhyolite, near the southeast edge of a granite intrusion. The ore is principally gold and the mine was closed down during World War II by the L-208 closing order. Recently, the owners claim, they have extended the middle vein beyond a fault and discovered a good showing of Lead-zinc ore. They now ask for an exploration loan to explore this vein.

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4.	Drive an inclined winze on the middle vein to explore the lead-zinc mineralization	7,185.00
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	Total Cost	$ 15,944.00

The field team should determine if there is enough evidence of a substantial amount of lead and zinc to constitute a legitimate claim for exploration assistance and if they find that they have, the costs ($71.85 per ft. for sinking winze and $49.19 for driving 100 ft of drift) should be questioned.

Question: Exhibit A (d)

Existing facilities consist of:

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1.	Jackhammer on shell @ $40 per mo for 5 mos.	200.00
1.	Double-drum hoist & scraper @ $50 per mo for 2 mo.	100.00
		$ 2,050.00

Operating equipment to be purchased:

1.	Air storage tank and fittings	150.00

1. 1 new mine car	$	150.00
1. Air pump to pump water from winze		200.00
	$	500.00

Labor to be employed:

1 Supervisor, engineer and bookkeeper, @ $350 per mo. for 6 mos.	
2 Miners @ $15 per day each plus overtime, Estimated cost	4,860.00

In addition the following supplies are needed:

1500 ft of 12 lb mine rail	465.00
Splice bars, bolts and spikes	90.00
850 ft. of 2" black pipe	595. 00
Timber & tiles	1,434.00
Powder, fuse and caps	530.00
Steel & bits	200.00
Fuel for compressor	1,000.00
Miscell. tools and supplies	400.00
Assaying	200.00
	4,934 .00
Total Labor	6,960.00
Total equip. rental & purch.	2,550.00
Repair and roads	1,500.00
Grand total	$ 15,944.00

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA-2278

Commodity Lead-Zinc.

Total Amount $15,944

Govt. Participation 50% = $7,972

1. Name and Address of Applicant Mutual Ventures Syndicate, 409 Ness Bldg., Salt Lake City, Utah.

2. Location of Property Kennedy Mining District, Pershing County, Nevada.

3. Mineral or metal Lead & Zinc. Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes.
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? No. Are Owners.

Does the lease have sufficient time to run to cover a future productive period?

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? _____

b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes.
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Think So.

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? Yes

If not, are there sufficient data given so that you can describe the project? Yes If so, attach a draft. Draft attached

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? Yes If so, attach a draft. Draft Attached.

e) Are the cost estimates reasonable? Yes

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? No

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed? No.

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed? Yes

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable? Yes.

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable?

d) Field check needed? Yes

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?

Do you think this exploration will develop a reasonable tonnage of Lead-Zinc ore?

Reviewed by: H. E. Olund.
Mining Engineer.
Bur. of Mines.

Date Mar. 10th, 1952.

O M Bishop 3/20/52

INT.-DUP. SEC., WASH., D.C. 99009

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. Dmea-2278
Metal or Mineral
Date Received 12/11/51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 11 1951

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Name and address of applicant

Date DEC 5 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Mutual Ventures Syndicate
(Name of company)

By Paul E. Lyons Jr.
(Signature of authorized official)

DEC 5 1951
(Date)

Secretary-Treasurer
(Title)

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

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

Form MP-103

Mutu[illegible] Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

1. (a) Sterling Lode Mining Claims Nos. 2 and 3, recorded in Book R of notices, pages 588 to 589 in the office of the County Recorder of Humboldt County at Winnemucca, Nevada. The claims are locates in Kennedy Mining District, Pershing County (formerly Humboldt County), Nevada.

(b) Not applicable.

(c) Same as (a).

Form MF-103

Mi[illegible] Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

2. (a) Lead, Zinc, Copper, Silver and Gold.

(b) Please refer to the enclosed map.

The workings of the Gold Note Mine have cut five veins, ore having been encountered in each of the veins. The vein matter is brecciated andesite, rhyolite and pyrite except northwest of the principal workings where the Middle Vein contains quartz, galena, sphalerite and pyrites (This is the area in which we propose to explore next Spring). The veins strike northwest-southeast and dip 30° to 50° to the southwest. It is possible that the Morning Star and Blossom veins are the same.

The country rock is a fine-grained andesite which has been intruded by two plugs of light-colored rhyolite. The ore is associated with the rhyolite. The mine is situated at the southeast edge of a granitic intrusion (stock).

The mine was closed during World War II by the L-208 closing order, since it had been principally a gold mine. The workings caved badly during that period. Recently, we have re-opened the Union Tunnel and have found a good lead-zinc showing in the Middle Vein to the northwest; this is far removed from the old gold stopes and is a different type of vein. Ore shipped from the old stopes contained 1 to 4 oz. gold and 10 to 30 oz. silver per ton with minor amounts of lead and copper; the new lead-zinc showing contains 3 to 16% lead, 3 to 16% zinc, 5 to 55 oz. silver/ton and 0.1 to 0.4 oz. gold per ton. We wish to explore this lead-zinc showing by following it downward with an incline.

Form MF-103

Mineral Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

3. (a) The proposed work consists of the following:

1. Repair 3 miles of road to permit good access to the property. not more than:	$1000.00
2. Repair dwelling to make livable	500
3. Rehabilitate 400 feet of the "Union Tunnel" from portal to middle vein and 100 feet of drift NW from the tunnel, including replacement of all ties and rails. (the present rails are corroded excessively)	2340
4. Drive an inclined winze to the southwest @ approximately 30° dip to explore the lead-zinc mineralization in the vein. this winze will be timbered. The rock will be handled by mine car and air hoist.	7185
5. Drift a total of 100 feet from the proposed winze to explore the vein farther	4919 ?
TOTAL COST OF PROJECT	$15,944

(b) The time required to start th project and to complete it is approximately seven (7) months, divided as follows:

Repair road and dwelling	1 month
Rehabilitation	1 "
Drive winze	3 "
Drifting	2 "
TOTAL	7 months

It is felt that the work should begin early in the Spring to insure completion before winter. April 1, 1952 is the tentative date.

Form MF-103

Mineral Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

5. Existing facilities consist of:

One 4-room dwelling, badly in need of repair. It has a good roof, but needs windows, doors, lining and bracing. Estimate $500 will make it habitable.

One small one-room cabin in fair condition. Needs some repair.

One storage building or garage in fair condition.

One steel mine car.

One forge and anvil.

Buildings mentioned above are situated about ¼ one-fourth mile from the mine. Culinary water is available from a well in an adit near the camp, however the well will need a little repair to make it clean.

Form MF-103

Ma[illegible]l Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

6. None

7. (a) Operating equipment to be rented:

1	210 cfm air compressor @ $300.00 per month (estimated rental) for 5 months.	$1500.00
1	Air hoist @ $50.00 per month for 5 months.	250
1	Jackhammer on shell @ $40.00 per month for 5 months	200
1	Double-drum hoist and scraper @ $50.00 per month for 2 months	100
		$2050

(b) Operating equipment to be purchased:

1	Air storage tank & fittings estimated cost for used tank	$150
1	Mine car (new)	$150
1	Air pump (reciprocating) to pump water from winze	200
		$500

(c) Operating equipment we own:

1 Mine car

1 Forge and anvil (with shelter).

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

8. The schedule of labor to be employed in this project is:

1 Supervisor, engineer & bookkeeper. Maximum monthly salary $350.00, or $2100.00 for six months.

2 Miners @ $15.00 per day each, plus overtime. Six day week. The $15.00 includes state and federal taxes. Estimated amount of miner's wages for six months, including overtime is $4860.00.

Form MF-103

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

9. In addition to the labor cost listed in Question 8 and the amounts estimated for repairing the road and building, the following costs will be incurred:

1300 ft. of 12 lb. mine rail (delivered)	$485
Splice bars, bolts, and spikes for track	90
850 ft. 2 in. black pipe (delivered at mine)	595
Timber and ties	1454
Powder, fuse and caps	530
Steel and bits	200
Fuel for compressor	1000
Misc. hand tools (picks, shovels, etc) & supplies	400
Assaying	200
Total	$4954

Total Labor (8)	$6960
Total Equipment rental & purchase	$2550
Repair road and building	$1500
Grand Total	$15,944

See next page for more detailed breakdown of expenses.

Form MF-103 Question 9, cont'd.

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Explanation of costs:

Repair 3 miles of road, contracted work, est.		$1000
Repair dwelling, labor and materials		500
Rehabilitate 400 ft. of Union Tunnel & 100 ft. drift:		
1000 ft. 12# rail (delivered at mine)	$360	
Splice bars, bolts and spikes	70	
500 ft. 2" black pipe (delivered)	350	
Timber and ties	400	
Labor- 2 men, 25 days (1 month) @ $30.00/ day base. Muck, timber, lay rail & pipe, set up equip.	810	
Engineering, supervision, bookkeeping, etc. for 1 month @$350.00/mo.	350	2340
Drive 100 ft of winze:		
Labor - 2 men, 3 months (75 days) @ $30.00/day base (incl. taxes). Mining, hoisting, timbering, etc.	2430	
Engineering, supervision, bkkpg, etc. for 3 months @ $350.00/mo.	1050	
300 ft. 12# rail (delivered), including frogs & swithhas, Y at top of winze, etc.	125	
Splice bars, bolts & spikes	20	
250 ft. 2" black pipe (100 ft. air and 150 ft. mine water)	175	
Timber & ties	650	
Powder @ $2.65 per foot, incl. fuse, caps	265	
210 cfm compressor, rent @ $300.00/mo.x3	900	
Air hoist @ $50/mo., 3 months	150	
Jackhammer & shell @ $40/mo. 3 months	120	
Fuel	600	
Steel & bits	100	
Misc. hand tools, oil, grease, supplies	200	
Pump & air receiver (60% of cost)	300	
Assaying	100	7,185
Drift 100 ft. from winze:		
Labor - 2men, 50 days (1 mo) @ $30/day base	1620	
Engineering, supervision, bkkpg. 2 mos.	700	
100 ft. 2" black pipe (air or water)	70	
Timber	384	
Powder @ $2.65/ft.,incl. fuse & caps	265	
Compressor, rent 2 months @ $300/mo.	600	
Air hoist, jackhammer, & 2-drum hoist & scraper (slusher), all @$140/month	280	
Fuel	400	
Steel & bits	100	
Misc. hand tools, supplies, etc.	200	
Pump & air receiver (40% of cost)	200	
Assaying	100	4,919
		$15, 944

Form MF-103

Wi[illegible]l Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

10. (a) We are prepared to invest $7,972.00 in the proposed project, in cash and labor.

(b) Yes. 50%.

11. None

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dmea - 2278

Date received 12/11/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 11 1951

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

Name and address of applicant

Date NOV 30 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (a) What are the chief mine, mill, or smelter products? Crude Gold-Silver-Lead-Zinc Ores
   (b) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Gold Note Mine
   (a) Linear feet of shafts. 130
   (b) Linear feet of drifts and crosscuts. 1000
   (c) Linear feet of tunnels or adits. 3000
   (d) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Some water.
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. 57 miles south of Winnemucca, Nev.
   (b) Mining district. Kennedy
   (c) Township, Section, Range. T 28N R 37 E Mt. Diablo B & M.
   (d) County, State. Pershing County, Nevada
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. Idle.
   (b) Are you operating this property as:
   - [x] Owner. Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production 20

   If not in production or operation, estimated date when production will begin April, 1952
6. Experience of operators:

   Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who manage the project. Paul C. Lyon, Jr. B.S. in mining, M.S. in metallurgy plus 12 years experience in mining. Paul C. Lyon 30 years management experience.
7. History:
   (a) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Attached. L-208 closing order.
   (b) State briefly the known history and production of adjoining and neighboring properties. Not available.
   (c) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Not available.

16—63792-2

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
						Addresses	
Paul C. Lyon	President D	$2400		60		Salt Lake City, Utah	
Paul C. Lyon, Jr.	Sec-Treas D	1500		2		do.	
Adiel F. Stewart	Vice Pres. D	none		24		do.	
W. J. Eldredge	D	none		13½		do.	
G. Iland Passey	D	none		21		do.	
A. H. Christenson	Vice Pres. D	none		12½		Provo, Utah	
S. S. Kunz	D	none		17		Salt Lake City, Utah	
Parley G. James	D	none		10		do.	
H. Roy Neilson	D	none		7		do.	
	Total	$3900	x x x x x	167		x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 200,000	$ 59,000	$100.00	590	$30.00/year
Preferred stock	$	$	$		

*Indicate period covered. 9/49 to 2/51

10. Production:

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

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

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Ore occu[illegible] in veins (5 having been [illegible]). Vein matter is brecciated andesite, rhyolite and pyrite in [illegible]st workings, and same plus quartz, galena, shalerite & pyrites in Nw middle vein. Veins dip SW, strike NW. [illegible] associated with [illegible] rhyolite plugs near outer edge of granite stock. Pa[illegible]

16-63792-1

ore associated with 2 rhyolite plugs, near outer edge of granite stock. Ta[illegible] production mostly gold (average 2.0 oz/ton) and silver, but future production indicated Lead-Zinc-Silver (sulfides). See accompanying Form MF-103.

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

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. See map with accompanying Form MF-103.

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	Not available				
Indicated (probable)	Not available, but considerable.				

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: Good road, 57 miles, to Winnemucca;3miles to mine needs work.
Give road distances to shipping, supply and residence points, stating kind and condition of roads.
Also road to Lovelock, 60 miles and to Battle Mountain, 55 miles.

14. Water Supply: Adequate culinary water, also mine water; always available.
State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power: None
State amount of power used, rate per hour, and source thereof.

16. Labor: Idle. Last working included 2 miners.
State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: 1 1-room dwelling (fair), 1 4-room dwelling (poor), and 1 garage. Also 1 mine car and 1 forge.
Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
No. Refer Form MF-103.

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.

Mutual Ventures Syndicate
(Name of company)

By Paul E. Lyon Jr.
(Signature of authorized official)

DEC 5 1951
(Date)

Secretary-Treasurer
(Title)

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

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

Form MF-100

7 (a). Gold was discovered in the Kennedy Mining District in 1893, the year that the Gold Note Mine was found. Shipments to smelters from the camp from 1893 to 1905 amounted to $235,000.00, over half of which came from the Gold Note Mine, and nearly all from the oxidized zone above the Union Tunnel level. Some ore was mined below the Union Tunnel (which is the water level); this was sulfide ore in which the gold was not free-milling.

From 1905 until 1934, little mining was done, principally because the gold was not free-milling and the 57-mile haul over poor desert roads precluded mining any but exceptionally rich crude ore. The road has been improved greatly since then. Leasers in 1934 and 1939 shipped approximately $50,000.00 worth of gold ore from the Blossom Vein, it coming largely from below the Union Tunnel level (water level).

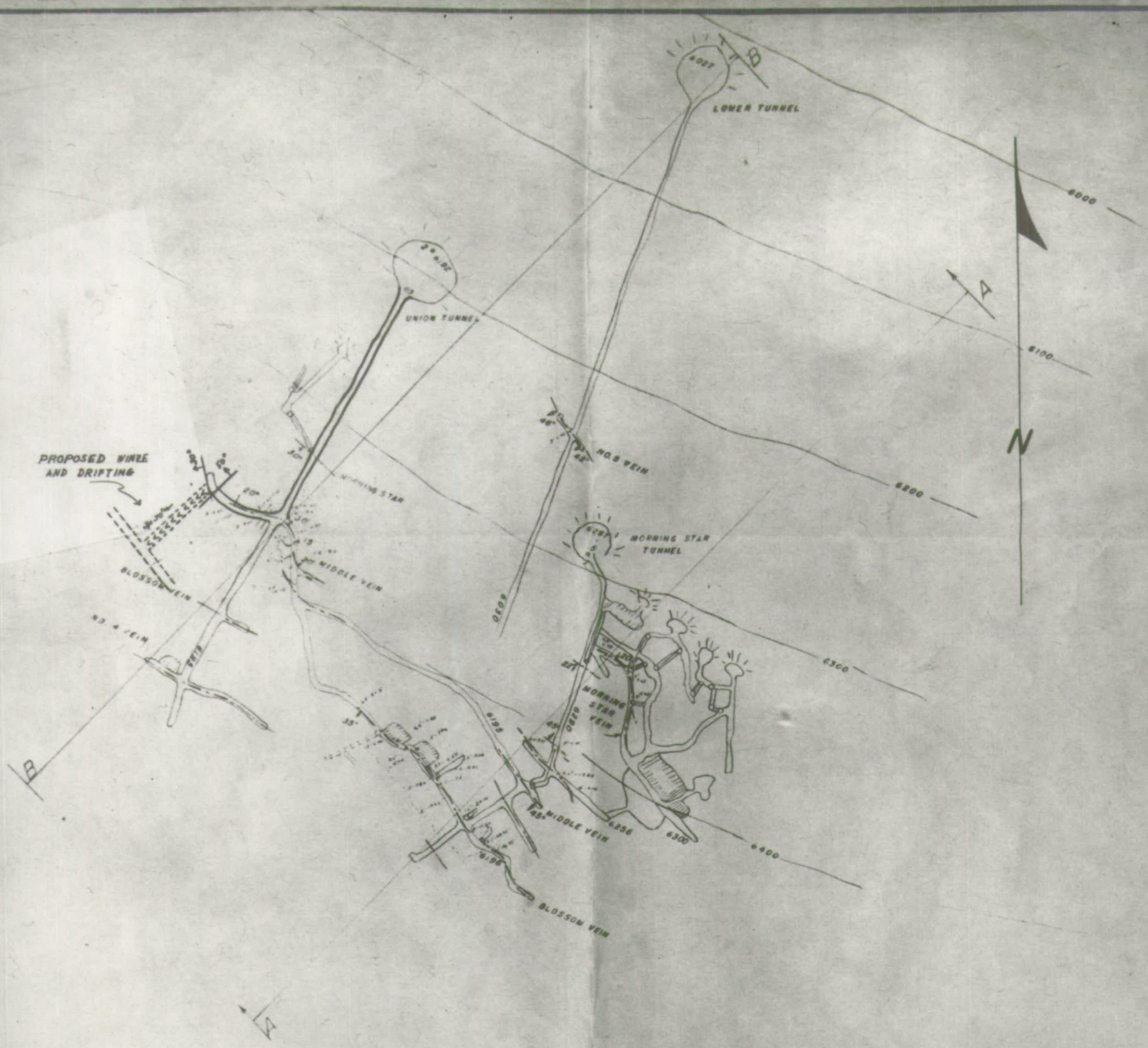
The drifts and crosscuts in the mine were driven prior to 1934.

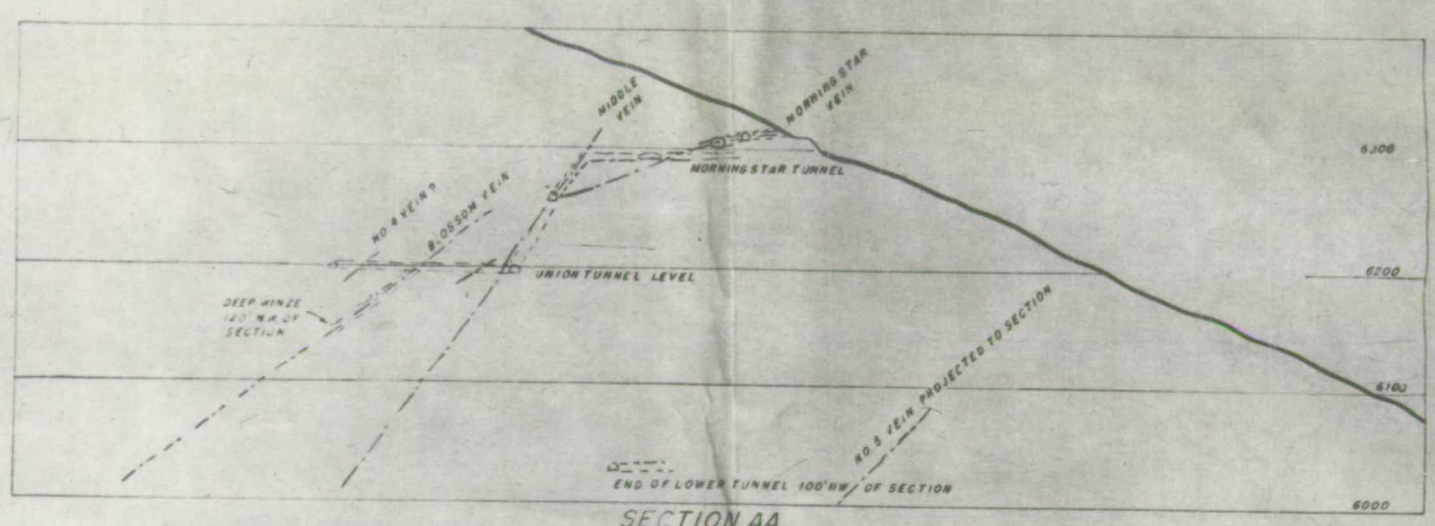
Leasers started to rehabilitate the mine in 1941, but World War II forced the mine to become idle, since it was a gold mine. The workings and tunnels caved.

Where the Union Tunnel cuts the Middle Vein, the drift to the northwest encounters a fault zone; the area was caved when we (Mutual Ventures Syndicate) purchased the property in 1939 (the Union Tunnel and other mine workings also caved during World War II), but the former owner and a former leaser claimed that the vein on the northwest side of the fault contained considerable lead and zinc. Recently, we have re-opened the Union Tunnel and have timbered it into the Middle Vein (400 feet) and also cleaned out and timbered the northwest drift (100 feet) to expose the lead and zinc showings. The lead and zinc occur as galena and sphalerite in a two-foot vein. The vein matter here is definately different than that in the former workings of the mine; besides containing considerable percentages of galena and sphalerite, it has a higher silver content and lower gold content, in fact the gold-silver ratio is only 10% of that in ore shipped previously. The average assays of the 17 face samples and muck samples taken there are: Au 0.18 oz., Ag. 18.0 oz., Pb. 6.27%, Zn 5.82% and Cu 0.75%. The balance of the vein filling is mostly quartz and iron pyrites.

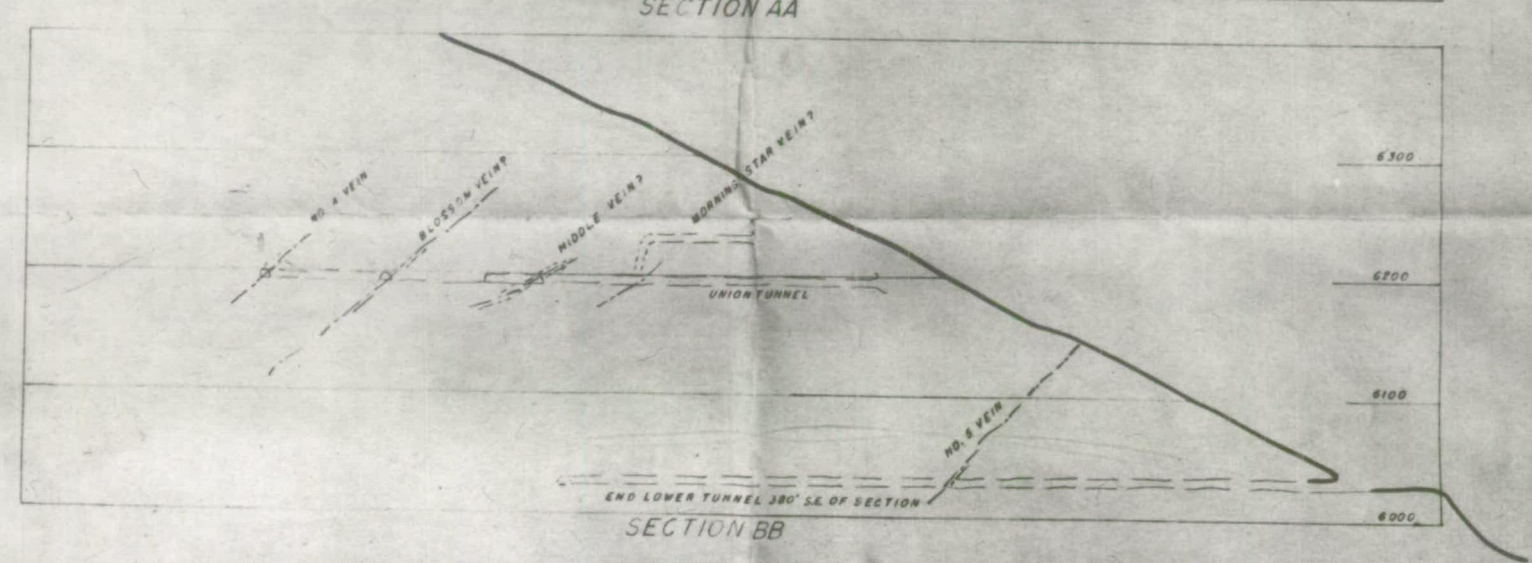
We plan to sink on this lead-zinc vein and we believe that it may produce a large tonnage of lead-zing-silver ore.

Please refer to the map included with Form MF-103.





SECTION AA



SECTION BB

MAP
&
SECTIONS

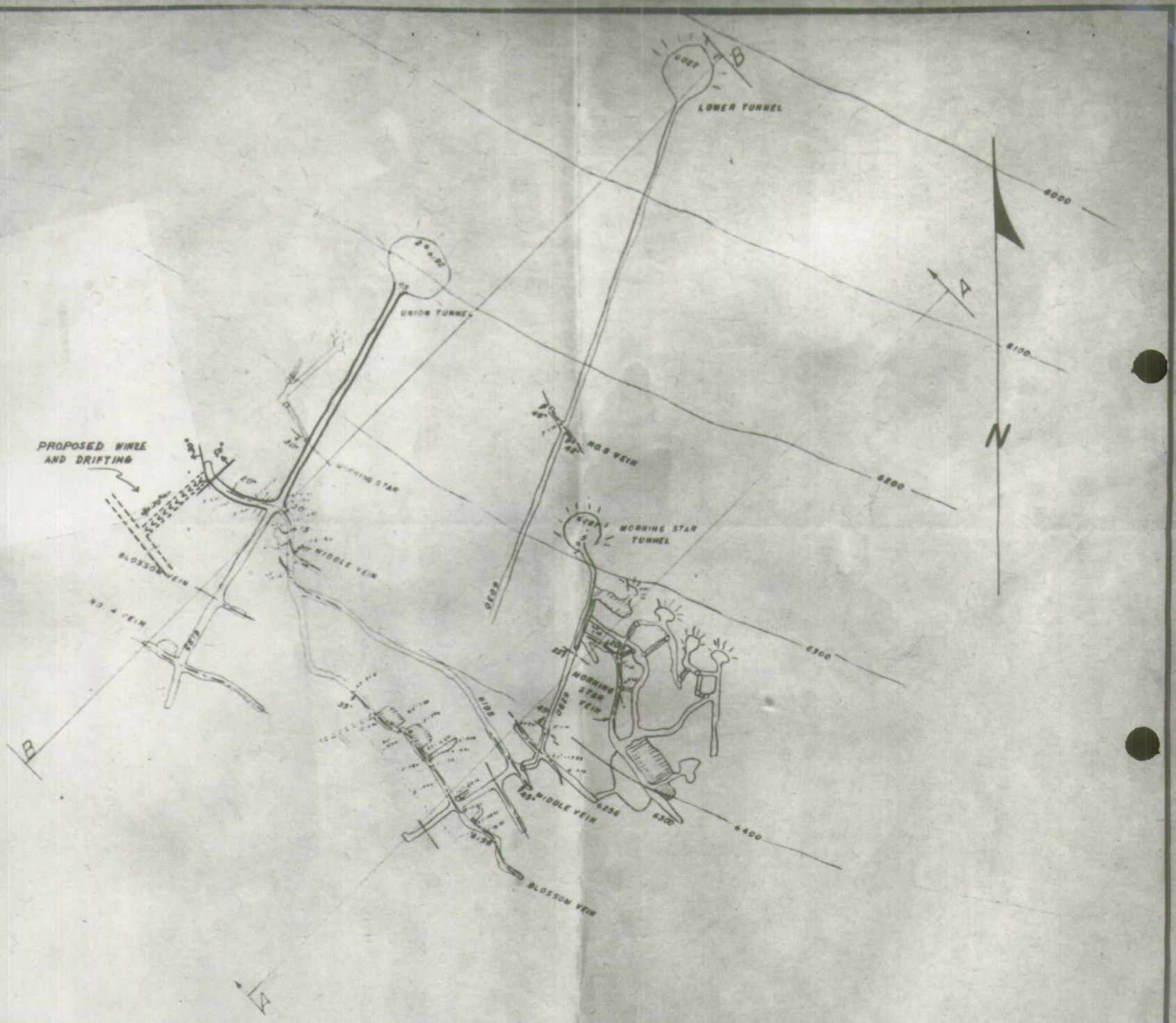
GOLD NOTE MINE

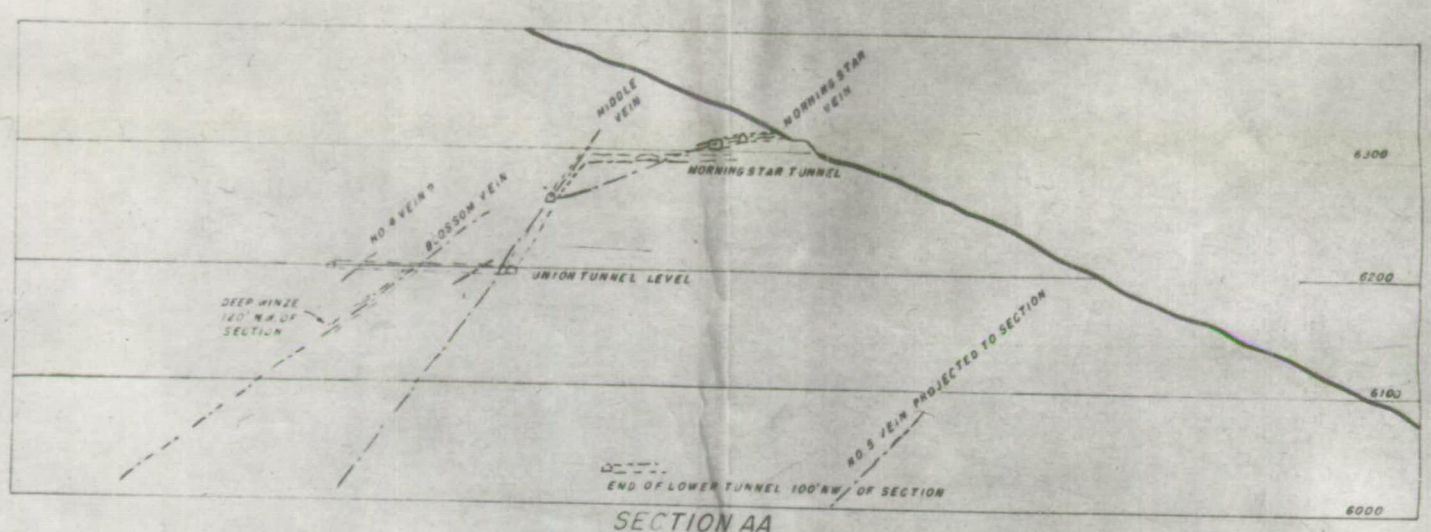
KENNEDY MINING DISTRICT-PERSHING COUNTY, NEV.

SAMPLES TAKEN MAY 1939
SCALE 1" = 80'

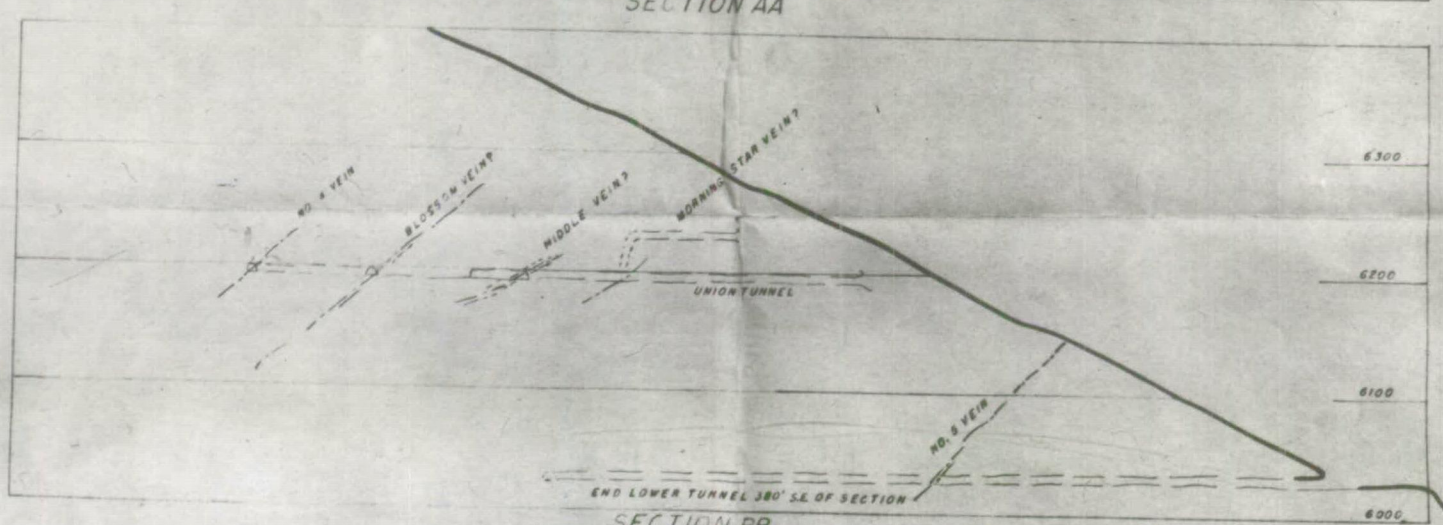
Fig. 1

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH





SECTION AA



SECTION BB

MAP
&
SECTIONS

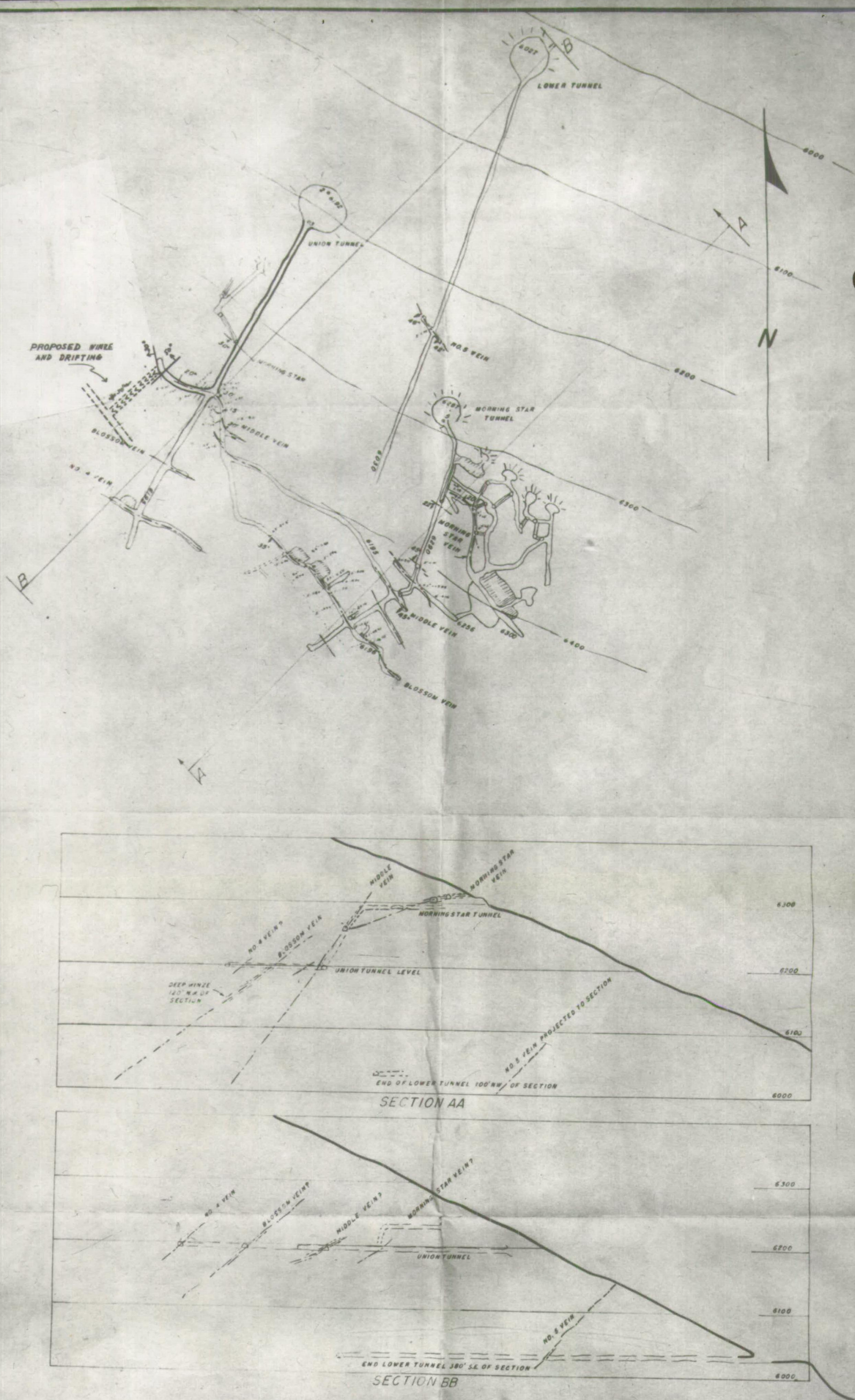
GOLD NOTE MINE

KENNEDY MINING DISTRICT-PERSHING COUNTY, NEV.

SAMPLES TAKEN MAY 1938
SCALE 1" = 80'

Fig. 1

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH



MAP
&
SECTIONS

GOLD NOTE MINE

KENNEDY MINING DISTRICT-PERSHING COUNTY, NEV.

SAMPLES TAKEN MAY 1939
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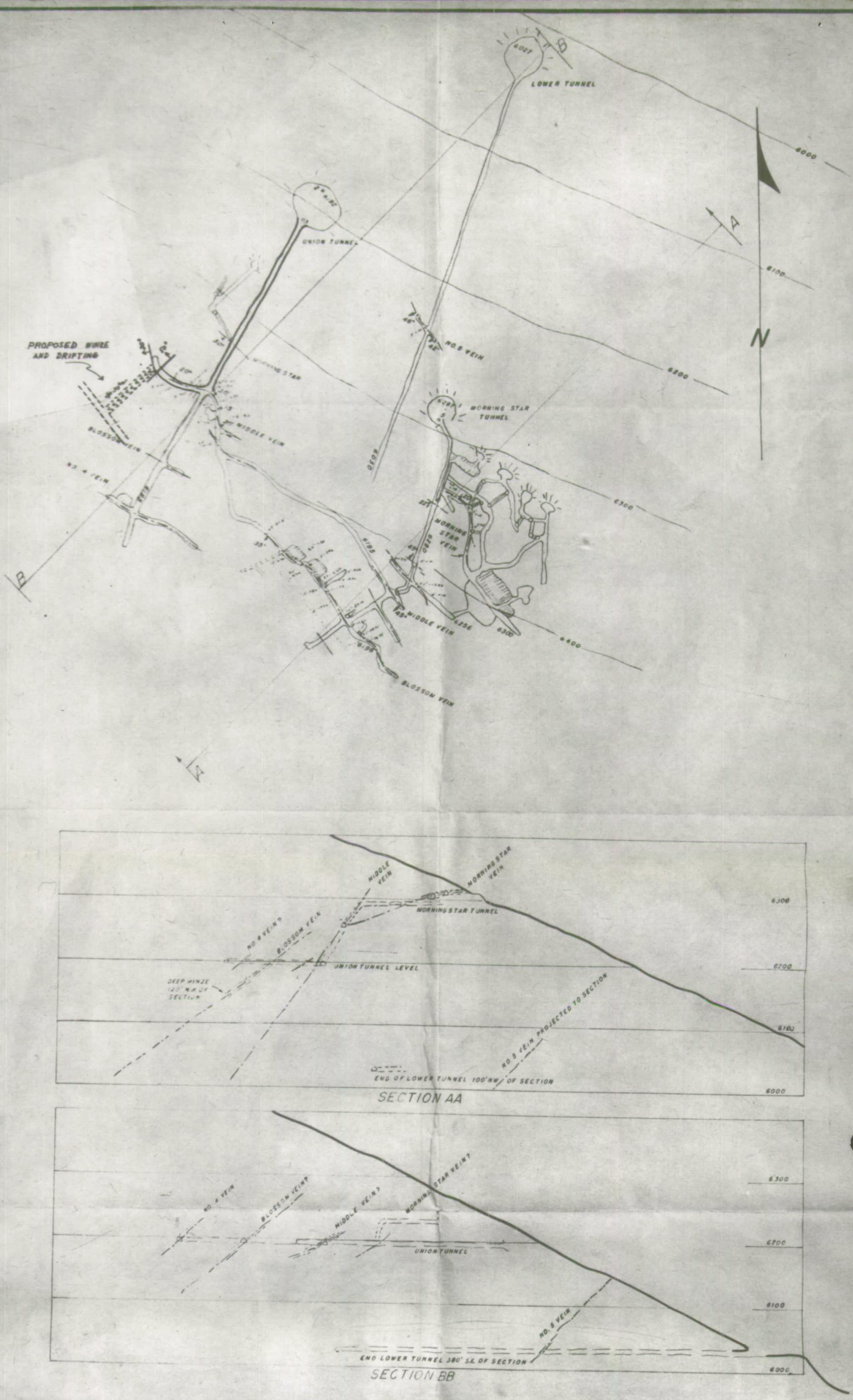

MAP
&
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GOLD NOTE MINE

KENNEDY MINING DISTRICT-PERSHING COUNTY, NEV.

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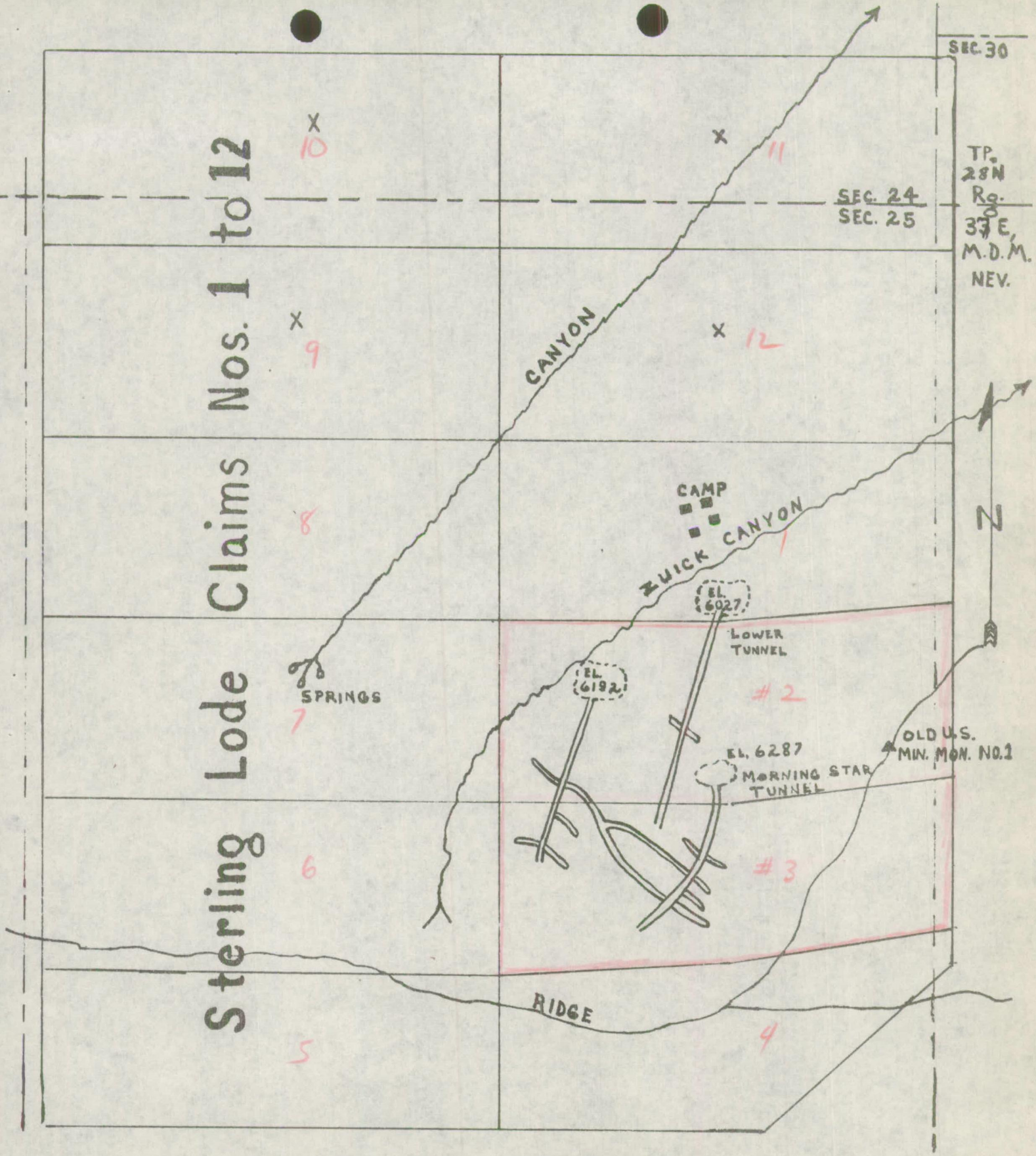
Fig. 1

Mutual Ventures Syndicate
409 NESS BUILDING
SALT LAKE CITY 1, UTAH

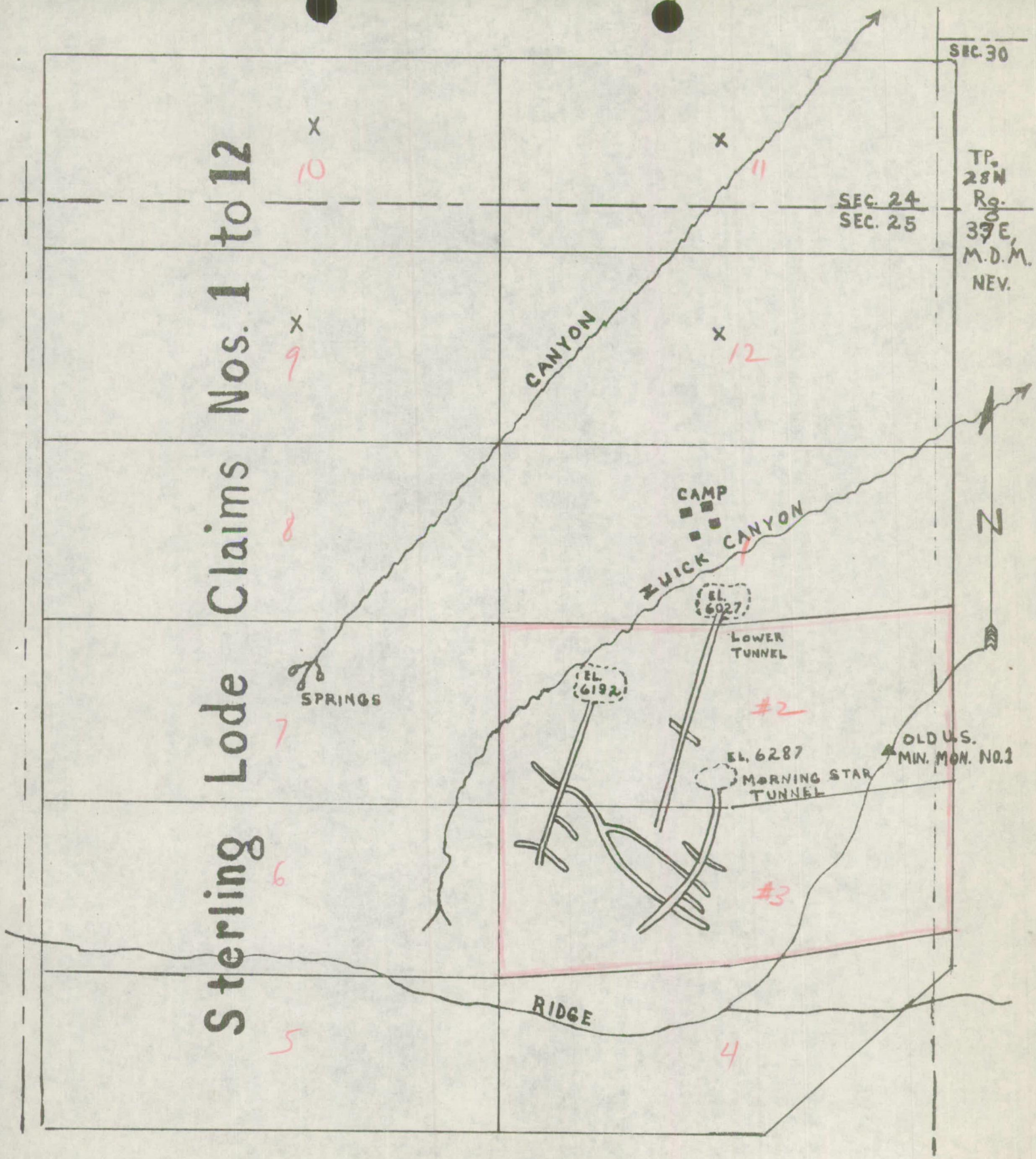


MUTUAL VENTURES

GOLD NOTE MINING PROPERTY

Kennedy Mining District Pershing County, Nevada

Scale 1" = 400'

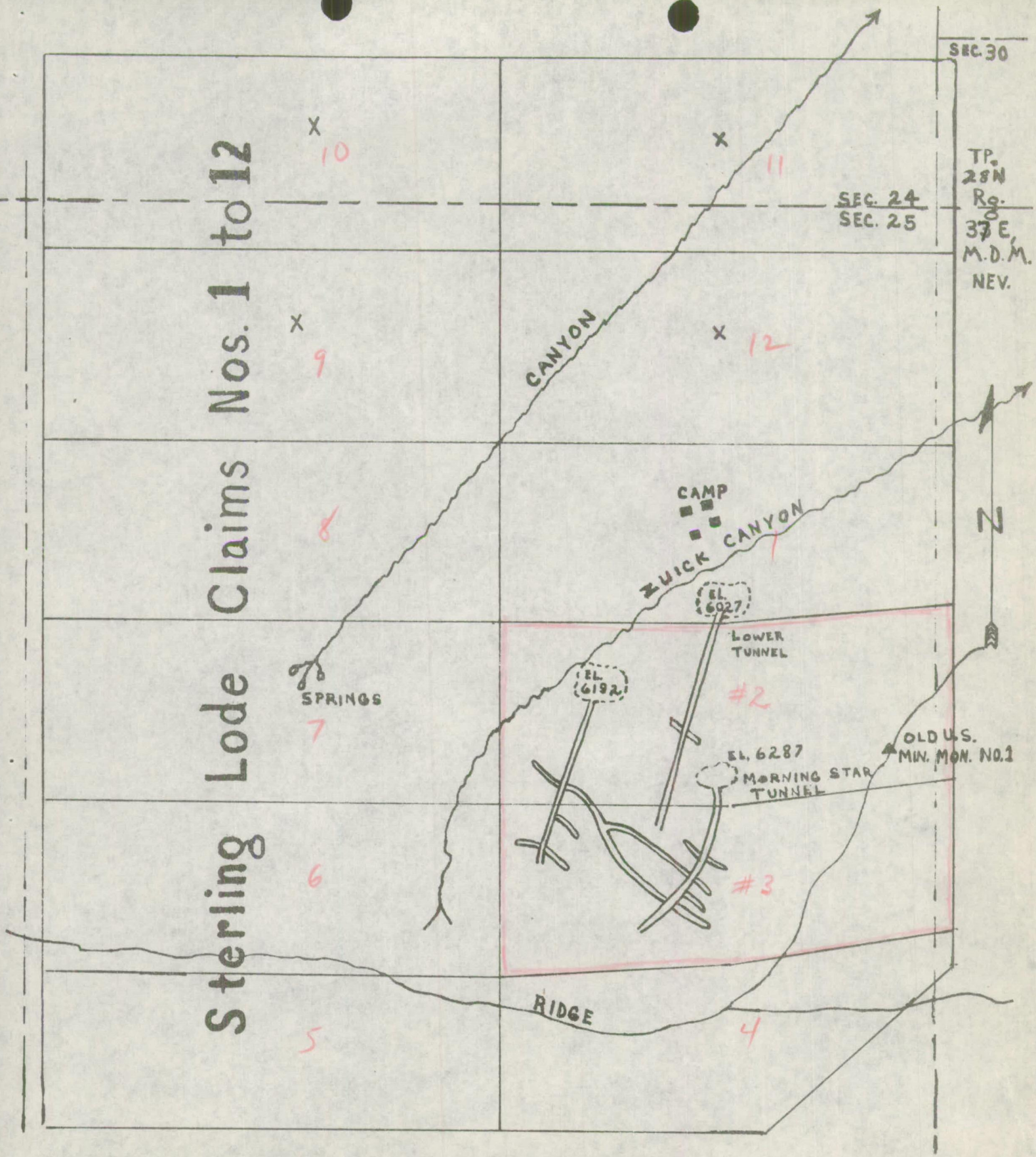


MUTUAL VENTURES

GOLD NOTE MINING PROPERTY

Kennedy Mining District — Pershing County, Nevada

Scale 1" = 400'

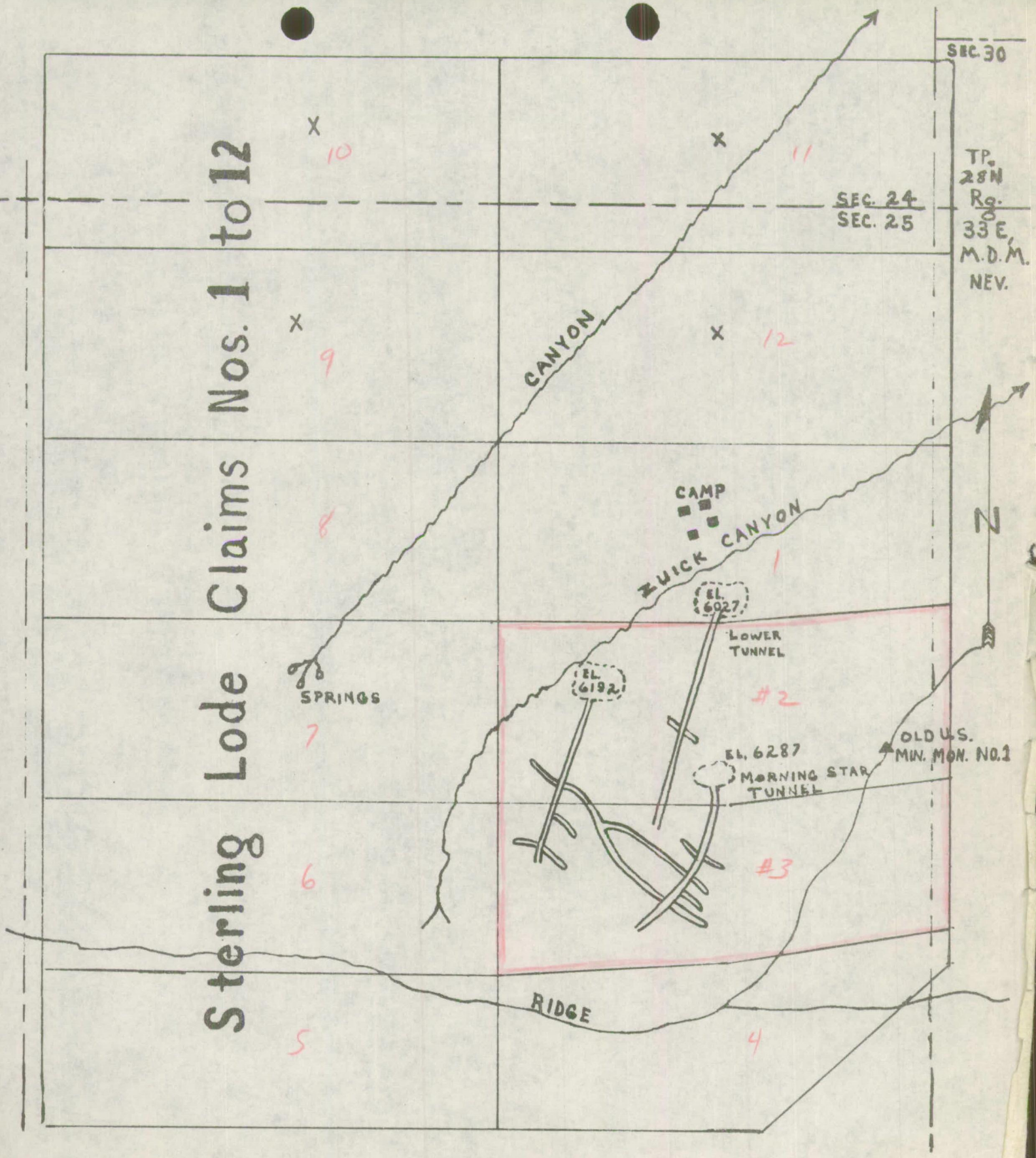


MUTUAL VENTURES

GOLD NOTE MINING PROPERTY

Kennedy Mining District — Pershing County, Nevada

Scale 1" = 400'



MUTUAL VENTURES

GOLD NOTE MINING PROPERTY

Kennedy Mining District Pershing County, Nevada

Scale 1" = 400'