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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

224 New Customhouse
Denver 2, Colorado

October 1, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 2615 (Lead-Zinc-Copper), East Ridge Company, Atlantic Lode Claim, Red Mountain Mining District, Ouray County, Colorado

The East Ridge Mining Company has withdrawn their application, Docket No. DMEA-2615. We have placed the application in our inactive files.

W. H. King

W. H. King

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

224 New Customhouse
Denver 2, Colorado

October 1, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 2615 (Lead-Zinc-Copper), East Ridge Company, Atlantic Lode Claim, Red Mountain Mining District, Ouray County, Colorado

The East Ridge Mining Company has withdrawn their application, Docket No. DMEA-2615. We have placed the application in our inactive files.

W. H. King
W. H. King

Colorado Branch
MF-103
(Revised April 1952)

Date Rec'd
JUL 2 1952

BUREAU OF MINES
Denver, Colorado

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

DIST. ENGR.	
EXAMINATION	
DIST. CLERK	
PERSONNEL	
FILES	

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2615
Metal or Mineral
Date Received 7-16-52
Estimated Cost
Participation (Government %)

RECEIVED
JUL 16 1952
Colorado Mineral Rehabilitation Commission

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: East Ridge Company
633 S. Shatto Place
Los Angeles 5, California

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Description of the real property involved is the Lode Mining Claim, known as Atlantic, part of Survey No. 16935, situated in Red Mountain Mining District, Ouray County, Colorado.

(*b*) State any mine name by which the property is known. Atlantic.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise East Ridge Company owns 50% undivided interest. Remaining 50% under lease.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it No liens or encumbrances.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. No unpatented claims.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) S[illegible] the mineral or minerals for which you wish [illegible]xplore .....

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes.

(*b*) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated June 26, 1952

EAST RIDGE COMPANY
(Applicant)

By Carlton E. Byrne, Pres

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—66551-1

East Ridge Company
633 S. Shatto Place
Los Angeles 5, California

Attachment to Form MF 103.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED.

1. (b) Colorado corporation.

(c) Carlton E. Byrne, President
F. Moldenhauer, Vice President
Lloyd M. Smith, Secretary

3. (d) Copy of (1) Operating Agreement and (2) Form MF 203, "Owner's Consent to Lien" attached herewith.

4. (a) The main workings in the Atlantic Claim consist of a tunnel 152' long, which follows parts of the Atlantic Vein No. 2 for the entire length of the tunnel. Some small cuts on the surface above the face of this tunnel show parts of the same vein. All the workings were made many years ago, long before the property was of interest to the applicant. The tunnel and cuts are accessible for examination during the operating season - from about July 1 to October 15. A road was built to the Atlantic tunnel by the applicant in 1949 for the purpose of looking for a lower tunnel reported to exist below the Atlantic tunnel. Extensive dozer work was done in 1949 and an old caved adit in slide material was uncovered. The adit was reopened to its face which was about 2 feet into bed rock. This latter tunnel had been originally extended about 50 feet through slide rock and just barely reached solid rock when the project ended, but is in a poor location for exploration work, being just below a dangerous slide area. The road to the Atlantic tunnel can be used for access to the Atlantic if it is improved by about $160 worth of dozer work. Plate 1 of two maps attached hereto shows the position of the Atlantic tunnel with respect to the general property map of the applicant and Red Mountain Pass.

The portal of the Atlantic tunnel is 325 feet westerly from the east end line of the Atlantic claim, and is also 4200 feet west and 1225 feet north of Red Mountain Pass on Highway 550, as measured on the 1000 scale geologic map by W. S. Burbank, published by the Colorado Scientific Society. A cut on the vein at the surface westerly from the face of the tunnel is 525 feet from the east end line of the claim and is the original discovery site as shown on the patent survey plat. A sample at that cut assayed 23.7% lead. It is shown on assay map, Plate 2, attached hereto.

East Ridge Company
633 S. Shatto Place
Los Angeles 5, California

4. (b) There has been no production by applicant. A short shoot of ore is exposed in the Atlantic tunnel. Its dimensions are 40' horizontal length, 2 to 4' wide with the vertical extent not yet determined. The average of two samples assayed ran 0.02 ounce gold, 1.1 ounces silver, 0.35% copper, 5.7% lead, and 6.8% zinc. Since no vertical dimension is known on this small ore shoot, no tonnage is estimated.

(c) The Atlantic tunnel is at 12,100 feet elevation and is in the Silverton Volcanics Formation about 300 feet above the top of the San Juan Tuff Formation. The San Juan Tuff Formation is considered to be more favorable for ore bodies than the Silverton Formation. However, the Silverton Formation has been very productive in nearby mines, such as the Smuggler Mines and the Black Bear Mine. Geologic work done in the area strongly indicates that ore shoots are of better size and grade in the places where the vein strike is warped to the left. That appears to be the case at the Black Bear Mine in several veins, and at the Andrus area under exploration and development by the applicant company. The most promising vein sections in the eastern area of the East Ridge Company property are at the Portland and J.A.D. claims and at the Atlantic claim where the veins show a pronounced left swing in the strikes. It is believed that milling or shipping grade ore can be found at the Atlantic claim in Vein No. 2 at the elevation of the present Atlantic tunnel. If such ore is found it is believed that the ore shoots will be better in depth in the San Juan Tuff Formation, (with respect to width, length, and metal content). The Atlantic No. 2 vein strikes N 60° W and dips 65° to 70° southerly. If substantial ore reserves are found in the Atlantic tunnel area by the currently planned work (plus subsequent work) the area can be further developed and explored at a lower elevation by running a tunnel from near the Columbine or R. E. Lee claims at an elevation of about 11,400 feet. Such work would be in the San Juan Tuff Formation in the Atlantic section. In addition to proving ore for production from currently planned workings the extension of the Atlantic tunnel should prove the existence of ore to encourage development at lower horizons for more efficient and greater production than would be possible at the elevations of the present projects. Such lower level tunneling would also be of considerable advantage for production of potential ore at the lower levels of the Andrus area, now under exploration and development by applicant company.

Maps attached hereto are the following:

East Ridge Company
633 S. Shatto Place
Los Angeles 5, California

4. (c) Continued.

Plate 1. Property map and section at 1000' to 1", showing the position of the proposed Atlantic project with respect to the work under way at the Andrus area and with respect to a possible lower level tunnel to be considered at a later date.

Plate 2. Plan and section showing the Atlantic tunnel and approximate line of the proposed Atlantic tunnel extension, which is the subject of this application. Assays are also included in Plate 2.

(d) The project is accessible by road from Red Mountain Pass on Highway 550. Shipping points are Ouray and Silverton, 16 and 12 miles, respectively, by road from the project. Two miles of the road is private unpaved road. Supplies are available at Ouray and Silverton. Workmen live at those towns and commute daily to the Company operations.

(e) Manpower is available locally. Materials, supplies and equipment needed for the project are all available locally, or in special circumstances from Denver. Water is abundant at the property. Electric power lines cross the property not far from the project. However, it is planned to use a gasoline engine driven compressor for power for this project. All general small equipment is available for the project, except a 105 cu.ft./min. and a lightweight rock drill machine and leg.

5. (a) Lead, zinc, copper, silver and gold.

Lead in the mineral galena, Zinc in the mineral sphalerite, Copper in the mineral chalcopyrite, and Silver and Gold.

(b) The two maps attached herewith and described under 4(c) show the location and details of the project. The main line of the tunnel is to be extended along the vein. Shortly after start of the underground work along the vein short crosscuts will be run at each side of the drift to determine the size and character of parallel veins indicated to be present. It is planned to then follow the best vein for the main project. Short crosscuts will also be run after a hundred or more feet of drifting along the vein has been completed. Total project of vein following is to be 200 ft. Total footage of crosscutting to be 80 feet or less. There will be some preparatory work before the drifting can start. Preparatory work will include reconditioning the portal of the tunnel, cleaning out some slide and caved material at the portal, widening the rock portal of the tunnel, laying pipe and track for

East Ridge Company
633 S. Shatto Place
Los Angeles 5, California

5. (b) Continued.

the length of the present workings - a total of 190 feet including track and pipe outside the portal, reconditioning 1600 feet of old road with a dozer, and constructing 300 feet of new road at the tunnel.

Since the applicant company intends to have diamond drilling equipment at the Andrus project for the purpose of drilling guide holes, it is possible that drilling will be later proposed in place of some of the crosscutting. This would be done in consultation with the Field Engineer.

(c) The work will start within ten days of the date when applicant receives notice that an exploration contract has been granted. The total elapse of time for completion of the project will be three months from the start. It is possible that with an early starting date the work will be completed during the 1952 season. Favorable weather conditions might easily permit work to continue throughout the month of October. Every effort will be made to combine the work in the Atlantic with the work now under way under Contract E-39 at the Andrus, in order to obtain the greatest efficiency both in cost and working time. However, it is virtually impossible to give assurance that the project can be completed within the working season of 1952.

(d) East Ridge Company was organized and commenced mining exploration in 1948. The company is at present engaged in exploration on the so-called Andrus claim in the Upper San Miguel Mining District, under DMA Contract No. E-39. The general superintendent is Arthur E. Dirrim, who has been operating mines since about 1919 and has held similar positions for large operations during the past 16 years. The consulting geologist, Francis H. Frederick, has been widely engaged in mining geological work since 1930 in the Western United States.

6. Estimate and breakdown of costs.

(a) Independent Contracts.

(1) Reconditioning of 1600 feet of road to Atlantic tunnel, by dozer work, @ $10/hr.	$160.00	
(2) New road at tunnel and old dump	100.00	
	260.00	$260.00

East Ridge Company
633 S. Shatto Place
Los Angeles 5, California

6. Estimate and breakdown of costs. (Continued) Forward 260.00

(b) Labor, supervision, consulting engineer-geologist

(1) Labor

2 miners at $1.75 /hr or $14.00 per man-shift.		
Clean-up work at portal & widen portal 16 man-shifts @ $14.00	224.00	
Laying track and pipe, 150 ft. in tunnel and 40 ft. on dump, 10 man-shifts	140.00	
Advancing tunnel & crosscuts 280 ft. Contract $13.00 per ft.	3,640.00	
Overtime pay for above labor	280.00	
	4,284.00	
(2) Supervision (All charged off at Andrus operation)	000	
(3) Consulting engineer-geologist 6 days @ $50.00	300.00	
	4,584.00	4,584.00

(c) Operating material and supplies

Powder, caps and fuse	1,400.00	
Gasoline for compressor engine	600.00	
Timber for portal timbering, ties, misc. (Probably little or no underground timbering required.)	100.00	
Picks, and shovels, purchase and maintenance	20.00	
Drill steel and bits	200.00	
Water pressure tank and fittings	25.00	
	2,345.00	2,345.00

(d) Operating equipment

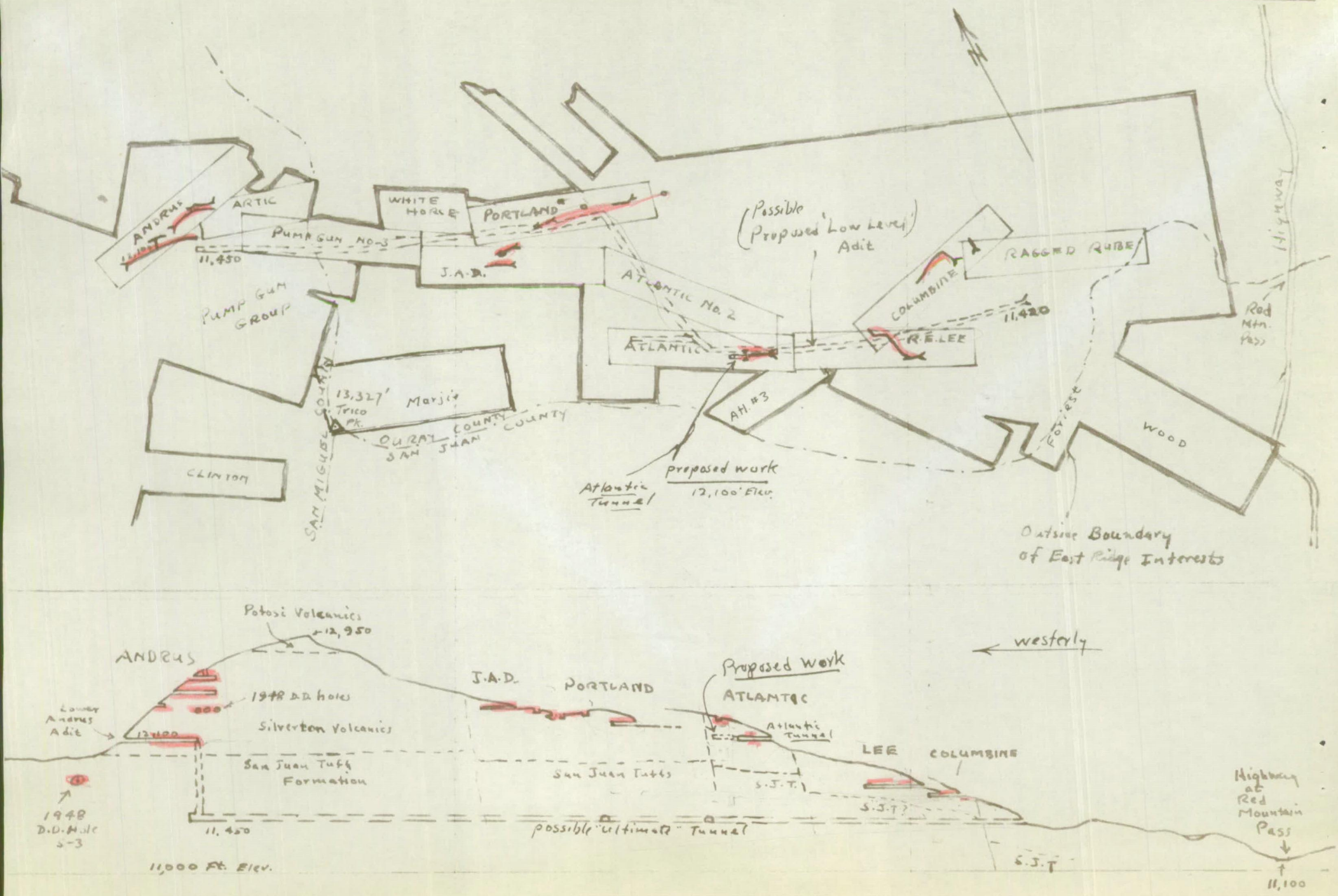
Drill machine and leg and accessories	900.00	
too small — Rental 105' compressor, 3 mo. @ 200.00	600.00	
390 ft. of track (780 ft. of rail) from portal to final heading	200.00	
390 ft. of 1½ or 2" pipe for airline and 390 ft. of ½ to 1" pipe for water line	390.00	
A mine car	100.00	
	2,190.00	2,190.00
Forward		9,379.00

East Ridge Company
633 S. Shatto Place
Los Angeles 5, California

Attachment to Form MF 103 - Page 6.

6.	Estimate and breakdown of costs. (Continued)	Forward	$9,379.00
(e)	None.		
(f)	None.		
(g)	Assaying	$150.00	
	Transportation for labor	300.00	
	Compensation Insurance	127.00	
	Social Security Tax	65.00	
		642.00	642.00
(h)	Contingencies Additional bit and steel cost, extra timber and timbering, water supply cost, higher cost on rail and pipe, and etc.	1,000.00	1,000.00
	Total		$ 11,021.00

Plate 1



ore

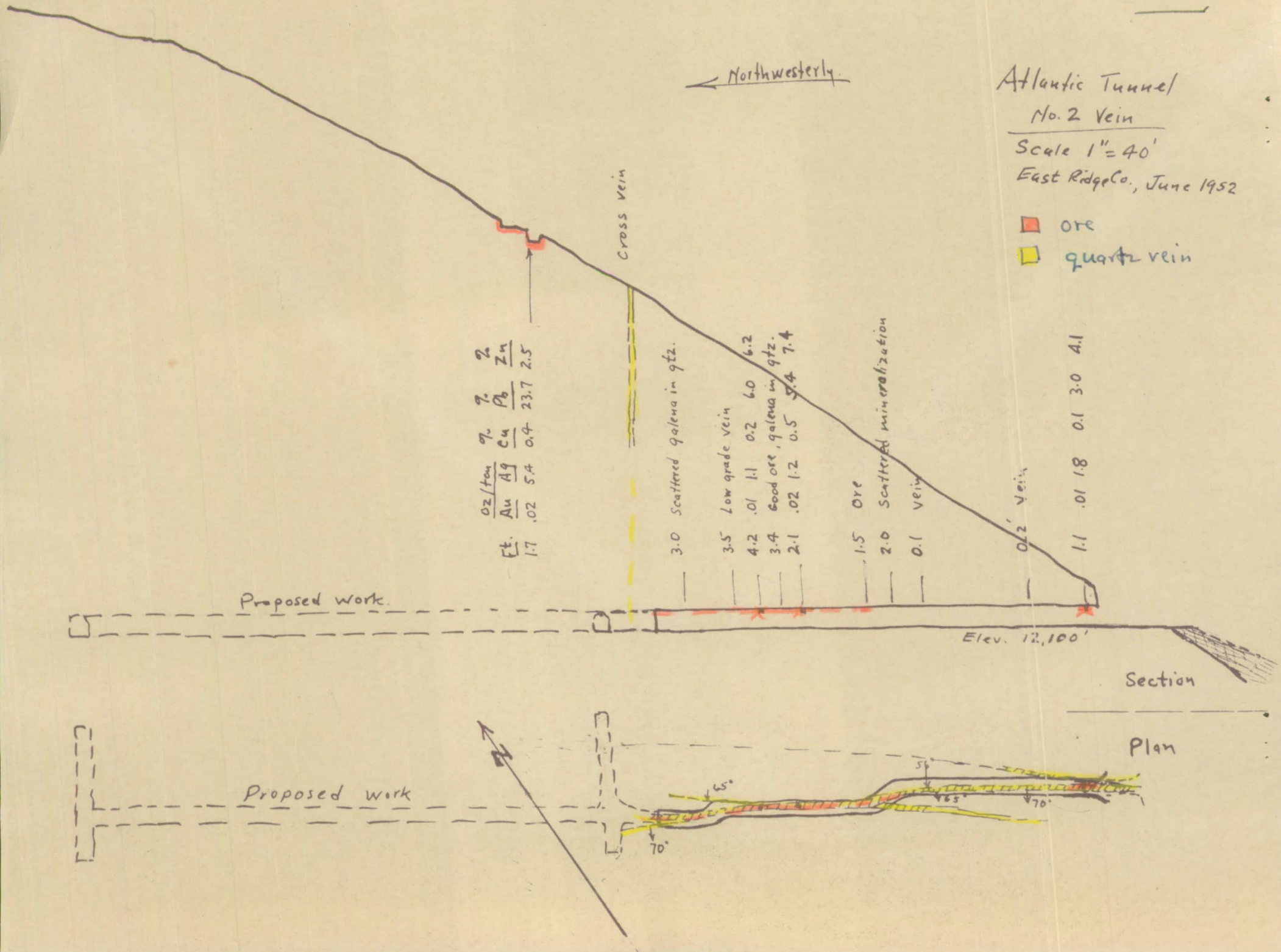
Scale 1" = 1000'

5/1/52 F.H.F.

Plan & Elevation along (Possible Proposed 'Low Level' Adit)

EAST RIDGE COMPANY, Ouray, Colo.

Plate 2


Northwesterly
Atlantic Tunnel
No. 2 Vein
Scale 1" = 40'
East Ridge Co., June 1952
ore
quartz vein
Cross vein
Ft. | oz/ton Au | oz/ton Ag | % Cu | % Pb | % Zn
1.7 | .02 | 5.4 | 0.4 | 23.7 | 2.5
3.0 Scattered galena in qtz.
3.5 Low grade vein
4.2 .01 1.1 0.2 6.0 6.2
3.4 Good ore, galena in qtz.
2.1 .02 1.2 0.5 5.4 7.4
1.5 Ore
2.0 Scattered mineralization
0.1 Vein
0.2' Vein
1.1 .01 1.8 0.1 3.0 4.1
Proposed work.
Elev. 12,100'
Section
Plan
Proposed work
N
65°
70°
65°
70°
5°

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

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(PMGC)

KNOXVILLE
JUL 10
430PM
1952
TENN

Mr. Frank L. Johnson, Chairman
Operating Committee D. M. E. A.
Dept. of the Interior
Washington 25, D. C.