DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4921

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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DMEA
RECEIVED JAN 17 1958

224 New Customhouse
Denver 2, Colorado

January 15, 1958

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Application for DMEA Aid (Copper) Good Venture Mining Company (Comstock Mine) Larime County, Wyoming

Enclosed are the original and two copies of the subject application. One copy of the application is being retained in our file.

The Applicant submitted only one copy of the lease which is attached to the original copy of the application. The Applicant advised that he would obtain two more bids for drilling and two sets of maps to complete his application.

The Applicant plans to explore the property by core drilling at a total estimated cost of $30,000.00.

W H King

W. H. King

MF-103
(Revised April 1953)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
DMEA
DEPARTMENT OF THE INTERIOR

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

RECEIVED JAN 17 1958 D.M.E.A.

JAN 15 1958
REGION III
DENVER, COLORADO

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. D7IEA-4921
Metal or Mineral Copper
Date Received 1/17/58
Estimated Cost $30,000.
Participation (Government %)

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: Good Venture Mining Company
408 Boyd Bldg.
Cheyenne, Wyoming

(*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. Incorporated in Cheyenne, Wyoming

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

(*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 See copy of lease attached, Fig.1

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lesee

(*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. Copy attached, Fig.1

(*e*) If you own the land, describe any liens or encumbrances on it none

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Patented land.

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. See supplement

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

(*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. See supplement

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

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which [illegible] wish to explore Copper sulfides

(*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. See supplement

(*c*) The work will start within 30 days and be completed within 6 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. See supplement

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: See supplement

(*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 January 10, 1958

Good Venture Mining Company
(Applicant)

By Harry E. Ferguson Pres.

Harry E. Buchman
Secy - Treas

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

GOOD VENTURE MINING CO., INC.

OFFICERS
PRESIDENT
HARRY E. FERGUSON
VICE-PRESIDENT
T. L. "TED" JOHNSTON
TREASURER
HARRY E. RUCKMAN

408 BOYD BLDG. CHEYENNE, WYO.

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SUPPLEMENT
TO
FORM MF-103

1. (c) Pres. Harry E. Ferguson, Box 621, Cheyenne, Wyoming
V.P. Theo. L. Johnston, 801 So. 11th St. Laramie, Wyoming
Secy-Treas. Harry E. Ruckman 213 W. 6th Ave. Cheyenne, Wyoming

4. Physical Description

(a) Mine first worked in 1882 and intermittently up to 1915. Mine workings consist of a 205 foot vertical shaft and 1000 feet of drifts and tunnels driven from the shaft on 3 levels, plus numerous shallow pits on the surface along the vein (See Map Fig.2) These workings were all cleaned out during the past year by the Good Venture Mining Company. The water in the shaft and drifts below the 100 foot level were pumped out but are now filled with water again. All workings along the 100 foot level, and above, are accessible. There is an air-operated water pump at the bottom of the shaft that can pump all the water out in about 3 days of steady pumping, thus making all workings accessible.

(b) Past production smelted in small smelter nearby - no records. Two carloads of ore shipped in 1915, since then none. Mine now idle. No ore reserves blocked out.
See assays. Samples of ore range from 3.5 to 21.0% Cu, 0 to 14 oz. Ag &0 to .2oz Au

(c) The formation consists of granite - gneiss with intrusions of quartz and copper sulfides in nearly vertical veins along a north south zone (See Fig. 3). Mineralization below the 100 foot level is erratic massive chalcopyrite with some bornite and chalcocite. Above the 100 foot level the minerals are mostly azurite and malachite with some spots of native copper. The underground workings do not appear to be consistent with the veins showing on the surface and it appears that the oldtimers missed the main ore body. It is believed that by core drilling at right angles to the ore zone at spaced intervals, an area approximately 1500 feet long will be explored to a depth of 500 feet with good possibilities of encountering ore in substantial quantity. (See maps attached)

(d) The mine is 22 miles west of Cheyenne, 15 miles of oiled road and 7 miles of improved country road; reached in ½ hour from Cheyenne and open all year except in extreme winter snows. The surrounding area is covered by scattered cattle ranches.

(e) Materials, equipment etc. are available in Cheyenne. Water in the shaft and a small stream is ample for mining and a small mill. Public Service power crosses the property and supplies the mine with lights and small motors.

GOOD VENTURE MINING CO., INC.

OFFICERS
PRESIDENT
HARRY E. FERGUSON
VICE-PRESIDENT
T. L. "TED" JOHNSTON
TREASURER
HARRY E. RUCKMAN

408 BOYD BLDG. CHEYENNE, WYO.

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SUPPLEMENT
OF
FORM MF103
Page 2

5. The project.

(b) The proposed work consists of core drilling from two points underground and five points on the surface, a total of 4500 feet. The drilling program as tentatively layed out in Figure 5 is designed to explore the ore zone to a depth of approximately 500 feet over a total length of 1500 feet.

(d) The planning, layout and organization is being done by the same personnel that successfully organized and executed the drilling project on the nearby Copper King Mine in 1952-53, namely the officers listed under 1.(c).

6. Costs

Drilling Bids

In estimating costs, drilling, core-splitting, assays, and supervision were set up on a contract basis. Since the major part of the work is core drilling, a drilling contractor was contacted and his prices quoted for the drilling.

(a) 1. Underground drilling:

For preparing two drill stations underground	----	$400.00
Drilling from 0 to 250 ft. AX size, per ft.	---	4.25
" " 250 to 500 Ft. " " " "	---	4.95
Furnishing own compressor add $1.00 per ft.		
Estimate for drilling 5 holes totaling 2000 Ft. underground and preparing station --- $11,425.00		$11,425.00

1250 x 4.25 = 5312.50
750 x 4.95 = 3,712.50
2000 x 1 = 2,000.00
400.00
2 Stns
11,425.00

2. Surface drilling:

Drilling from 0 to 250 ft. AX size, per ft.	---	$5.30
" " 250 to 500" " " " "	---	6.00
Reaming and cementing extra.		
Estimate for drilling 5 holes totaling 2500ft.	--	$14,125.00
Total drilling contract cost. ----------		$25,550.00

1,250' x 5.3 = 6,625.00
1,250 x 6.0 = 7,500.00
14,125.00

(b) Supervision and engineering
Contract $100.00 per mo. for 5 mo. ------- $500.00

(c) Power for lights and pump, $15 per mo for 5 mo. --- 75.00

(d) (e) (f) Drilling contractor will furnish all equipment to be used. No new installations nor repairs to present buildings planned.

(g) Miscell.

Core splitting at 12¢ per ft. for 4500 ft.	---	540.00
Assaying of ore-bearing samples. 200 @ $3.00	---	600.00
TOTAL COSTS ESTIMATED ----------		27,275.00
(h) Contingencies, 10%		2,725.00 ?
GRAND TOTAL ----------		$30,000.00

for Sheet Cap Cu 1 Ag

7. (b) Share of costs will be furnished by funds from stockholders of the Good Venture Mining Company.

(2)

Comstock Copper Mine
Section 13, Town. 14, Range 70W.
Silver Crown Mining District
Laramie County, Wyoming

DMEA
DEPARTMENT OF THE INTERIOR
JAN 22 1958
REGION III
DENVER, COLORADO

Date of Assay	Gold Oz.	Silver Oz.	Copper %
2-3-11	.00	.00	66.60
4-18-15	.03	.66	4.80
4-6-15	.12	7.08	6.00
4-7-15	.02	9.70	41.35
6-7-15	.02	.50	2.01
7-25-17	.04	.70	14.70
5-6-18	.08	1.60	3.10
5-3-18	.04	11.56	6.50
5-16-18	Trace	2.80	6.90
6-13-49	.02	1.20	4.00
6-13-49	.02	1.00	6.00
6-13-49	.02	1.00	3.50
Samples assayed by AS&R Co. Omaha Plant			
North drift, cross section of vein	.05	5.15	9.70
South drift, winze	.07	1.93	8.70
North drift, wall rock	.00	.40	1.70
Bottom of shaft, 240 feet	.04	2.66	12.90
North drift, 20 feet from shaft	Trace	14.00	18.20
South drift	.00	.20	.98
Shaft, 210 from surface	.00	.50	.78
No description	.07	1.18	8.80
6-29-20 Concentrates	.20	21.80	31.26
10-11-18 Car control	.04	1.25	5.74
7-19-15 48,217 lb. Car load to AS&R Co. Omaha Plant	.83	11.02	.74
3-14-16 25114 lb. Car load to AS&R Co. Omaha Plant	.00	1.35	8.00
5-13-55 Mineral Jig Test,			
Head sample	.04	1.02	5,85
Ratio of concentration 9.9 to 1			
18.2 per cent of total gold	.06		
24.2 per cent of total silver		2.38	
35.2 per cent of total copper			17.72

The results of this test show that while the jig treatment will make a worthwhile recovery of the values from this ore the recommended method of treatment would also include flotation to raise the recovery to an economically desirable figure.

Harry E. Ferguson
Harry E. Ferguson

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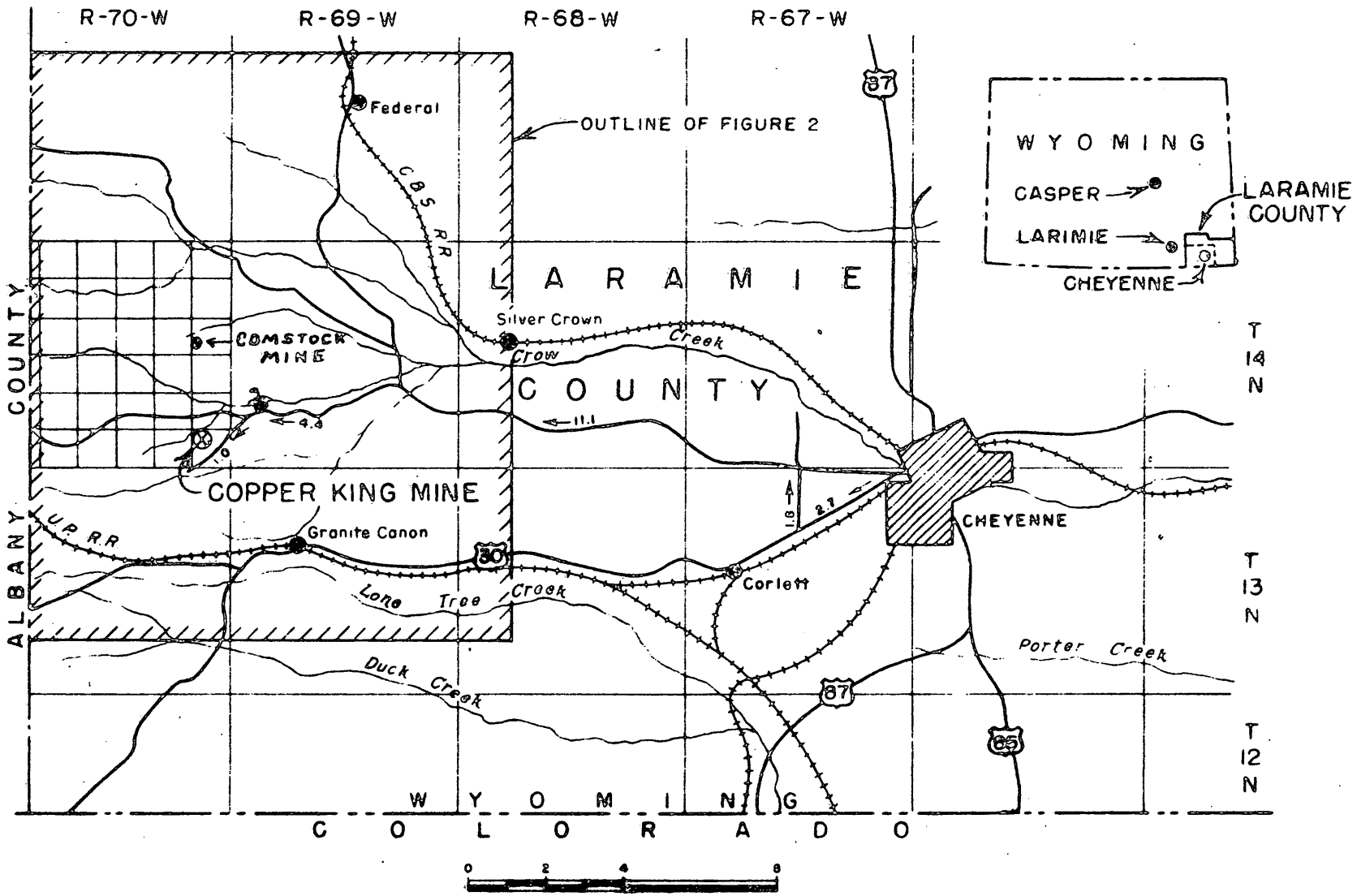
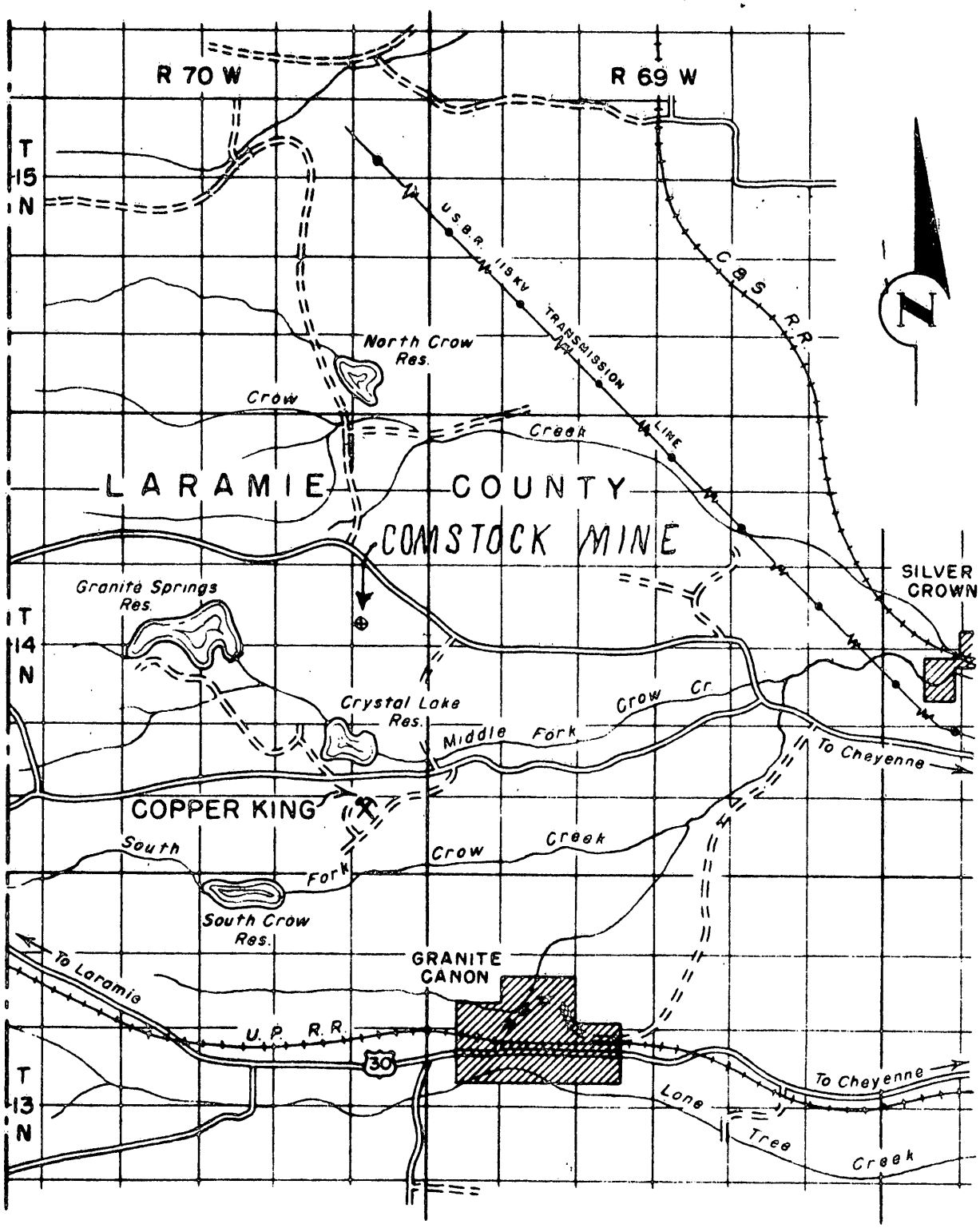
(2) [Copy of this map enclosed in 4/22/58 letter from Dan. Barrett]





Taken from State Highway Department map – 1960.

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SCALE IN MILES

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THE COMSTOCK COPPER MINE

Location

The Comstock mine is located in Laramie County, Wyoming, twenty three miles west of Cheyenne and on the eastern slope of the Laramie Range of mountains. It can be reached by car in a thirty minute drive from Cheyenne on the Happy Jack road which is oiled part way and gravelled to within one half mile of the mine.

History

The mine was discovered in 1888 and worked intermittently for about fifteen years. Some ores were shipped to Omaha and some smelted in a small smelter built near the mine. The original discovery vein of quartz and copper can be seen on the surface for half a mile and the early miners sunk pits and shafts on the vein at several points. The average vein width is two feet. Later a shaft was sunk 215 feet down on the vein and drifts were driven from this shaft at the 100, 172, and 205 foot levels. Eventually work ceased, tunnels caved in, the shaft head-frame burned down and the shaft filled with water up to the 100 foot level. That is the way the mine has remained for the past forty years.

During the early days the original discoverer organized the Comstock Mining Company which still is in existence and still owns the property. The principal stockholders are the Jackson family, some of whom are ranchers in the neighborhood. In 1956 Harry E. Jackson, grandson of the founder, and the writer obtained a twenty year lease from the Comstock Copper Mining Company and organized the Good Venture Mining Company. They incorporated and registered it in Wyoming with a capitalization of $100,000.00 (10,000 shares at $10.00 per share). Stock was sold to friends and acquaintances locally to raise money to open the mine.

Mine workings

Several pits and cuts along the vein on the surface show the vein to be a quartz-copper intrusion in the granite-gneiss formation. The main workings consist of an inclined shaft with drifts and stopes, and a tunnel driven from the bottom of the nearby gulch into the shaft. Several stopes show where ore was removed in the early days. The vein is irregular in that it widens and pinches and varies in ore value. The copper minerals consist of chalcocite, chalcopyrite, bornite, cuprite, and some native copper, all of which contain gold and silver. At the surface the copper minerals have been oxidized while in the lower levels chalcopyrite and bornite are the most common and occur in irregular lenses in fractured granite and gneiss. Samples show from 3.5% to 21.1% copper. Mill tests show that the copper minerals can be readily seperated from the gangue minerals yeilding a high grade concentrate for shipping.

There are several large stopes near the shaft between the surface and the 100 foot level. The 70 foot drift on the 100 foot level shows a narrow vein of high grade ore. On the 205 foot level there is a drift 400 feet long. Half way along this drift there is a stope forty feet long and three feet wide in which some

Mine Workings Cont'd

high grade ore (21.1) was mined, the vein averages two feet wide and assays 4.5% copper. The rest of the drift seems to be off of the vein. In fact, it appears that much of the old timers' work was not along the vein. There are spots of ore but none that can be said to be blockedout. Also, there are a number of stringers in the area that indicates a zone of mineralization along the strike of the vein. They may converge laterally or at depth to form a substantial ore body. Drilling on the 205 foot level by long-hole drills fifty feet on each side of the 400 foot drift at fifty foot intervals would probably show ore and indicate a development program but core drilling from the surface to greater depth and covering greater length will give a better picture of the whole area. Indications are that the property is worthy of more exploration.

The mine is fairly dry. Some seepage water collects in the sump at the bottom of the shaft which requires daily pumping to keep the 205 foot level dry.

The Public Service Co. power line passes by the portal of the tunnel at the 100 foot level and furnishes lights and power for small motors.

Summary

The old, caved-in mine was cleaned out, track and cars installed, air lines and lights provided, and a small amount of high grade ore mined. Lack of funds prevent further work at the present. There is some ore in sight but exploration and development work is necessary to prove the ore. Exploring by core drilling in the zone north of the shaft and at greater depth than the present workings is recommended.

Theo.L. Johnston, Mining Engineer

March 1, 1957

Exp #1 Good Venture Mining Co

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, That we Harry E. Ferguson and T. L. Johnston the within named lessee, for and in consideration of the sum of One Dollars ($~~1.00~~ 100.00) to me in hand paid, the receipt of which is hereby acknowledged, do hereby sell, assign, transfer and set over unto Good Venture Mining Co., Cheyenne, Wyoming, a certain Gold, Silver and Copper lease described as follows:

OTHER CONSIDERATION OF VALUE ALA

HEF
T.L.J.

All that certain piece or parcel of land situated in Sec. 13, Twp. 14 North, Range 70 West of the 6th P. M. in Laramie County, Wyo. The whole containing 40 acres of land, be the same more or less.

TO HAVE AND TO HOLD unto the said Good Venture Mining Co. successors and assigns, subject to the terms and conditions therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 19th day of January, A. D. 1956

Anna Vavra
Witness to Lessee

Harry E. Ferguson
Lessee

Anna Vavra
Witness to Lessee

T. L. Johnston
Lessee

Assignment

STATE OF Wyoming)
)SS
County of Laramie)

On this 19th day of January A. D. 1956, before me personally appeared Harry E. Ferguson and T. L. Johnston to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

WITNESS my hand and seal this 19th day of January, A. D. 1956

My Commission expires: August 28, 1956.

Anna Vavra
Notary Public

Assignment approved by Comstock Copper Mining Company

RECEIVED JAN 26 1958

Walter Ferguson
President

Ed L. Ferguson
Secretary

RECORDED JAN 20 1956 AT 12 O'CLOCK P.M.
RECEPTION No. 739399 LESTER N. COPP, Recorder
BOOK 588
RECEIVED JAN 17 1958

LODE MINING LEASE

THIS LEASE entered into this 12th day of January, 1956, by and between The Comstock Copper Mining Company, a corporation, first party, hereinafter called the "lessor", and Harry E. Ferguson and T. L. Johnston, second parties, called the "lessees".

Lessor, in consideration of a down-payment of One Hundred and no/100 Dollars ($100.00) and royalties to be paid and the covenants and agreements hereinafter contained and to be performed by the lessees, does hereby grant and lease to the lessees the exclusive right and privilege to prospect, mine, extract and remove from any lode, lead, vein or ledge or any deposit which may properly be classified as a lode deposit, and dispose of all the gold, silver, platinum, zinc, copper, lead, iron, cobalt, tungsten and associated metals of whatever kind in or under the following-described land, to-wit:

All that certain piece or parcel of land situated in Sec. 13, Twp. 14 North, Range 70 West of the 6th P. M., in Laramie County, Wyo.:

Beginning at a point on the South boundary of said Sec. 13, distant 486.4 ft. from the SW corner of said section; thence North 3°24' west 750 feet to the southwest corner of the Comstock Lode Mining claim, the place of beginning; thence north 3° 24' west 750 feet to a stake at the center of the west side line of said Comstock Lode Mining Claim; thence North 14° 54' east 750 ft. to the NE corner of said mining claim: thence North 3° East 1500 ft. to the NW corner of the Good Venture Lode Mining Claim; thence south 89° 57' east 600 feet to the NE corner of said Good Venture Lode Mining Claim: thence S 3° West 1500 feet to the SE corner of said Good Venture Lode Mining claim; thence south 14° 54' West 750 feet to a stake at the center of the east line of said Comstock Lode Mining claim; thence south 3° 24' east 750 feet to the SE corner of the said Comstock Lode Mining Claim; thence North 89° 57' West 600 feet to the SW corner of said Comstock Lode Mining Claim, the same being the place of commencement, the whole containing 40 acres of land, being the same more or less, and the same being the premises known as and called the Comstock and Good Venture Lode Mining Claims and situated in the Silver Crown Mining District in the County of Laramie, State of Wyoming; together with the right to construct and maintain thereon all structures and appurtenances necessary to the full enjoyment thereof.

This lease shall remain in full force and effect for a term of twenty years from and after the date hereof, hereby granting to lessees option to renew same for a like period, and upon the same terms and conditions as herein set forth, lessees to exercise option by written notice in writing to lessor not later than sixty days prior to the expiration of this lease.

In consideration of the demise of said premises lessees covenant and agree:

To make all payments as due or accruing hereunder to lessor.

To pay to lessor a royalty on each and every one of the metals herein leased, mined, produced, saved or marketed from the aforesaid land in value at the mine as follows:

On ore of a value	$0.01 to $10.00 - - 2½%
" " " " "	$10.01 to $20.00 - - 3 3/4%
" " " " "	$20.01 to $30.00 - - 5%
" " " " "	$30.01 to $50.00 - - 7½%
" " " " "	$50.01 to $100.00 - - 10%
" " " " "	Over $100.00 - - - - 12½%

In determining the mine values of the ores under the above schedule such values shall be taken as the values of the crude ores at the mine, after deducting the costs of transportation and smelter charges, or the net smelter returns. If concentrates are shipped to the smelter a record shall be kept of the tonnage of crude ores actually concentrated in each respective shipment of concentrates and the ore value per ton for royalty purposes shall be based on the per ton value of the crude ore so involved before concentration.

To make payment in full on or before the 20th day of the calendar month and succeeding the month of production for all metals mined from the land, and to furnish sworn monthly statements, therewith showing in tons or cubic yeards the amount of all ore mined.

That all mining operations and workings shall be conducted in such a manner so as to remove all valuable metals and ores of the metals in the deposits worked so far as is economically possible; that all shafts, inclines and tunnels shall be well timbered (when good mining practice requires timbering); that all underground timbering placed in the mines and necessary to the preservation of the property and safety of the workmen shall be kept in good condition and repair, and at no time shall such timbering be removed unless all of the valuable ore has been removed, and such removal will in no way or manner interfere with or prevent future mining operations in the land; that at the expiration of this lease, or earlier termination thereof, all underground timberings shall become the property of the lessor without compensation therefor to the lessees; that all parts or workings when the ore is not exhausted and for good reasons not being worked shall be kept free of waterand debris; that underground workings will be protected against fire and flood, and creeps and squeezes will be checked without delay, and to leave such pillars as may be necessary to support the cover and protect the slopes, air courses, manways, and hauling roads.

To comply with all State statutory requirements and valid regulations thereunder.

Not to assign this lease or any interest therein, nor sublet any portion thereof, except with the consent in writing of the lessor first had and obtained.

To deliver the leased premises with all permanent improvements thereon, in good order and condition, in case of forfeiture of this lease; but this shall not be construed to prevent the removal, alteration or renewal of equipment and improvements in the ordinary course of operations.

This lease is granted with the express understanding that prospecting, lode mining, and the recovery of the valuable mineral content of the above-described lands shall be pursued with diligence, and if at any time the lessor has reasonable belief that the operations are not being so conducted, it shall so notify lessees in writing, and if compliance is not promptly obtained and the delinquency fully satisfied, it may then, at the end of any lease year, declare this said lease terminated.

In the event that the lessees shall fail to make payment of rentals and royalties, as herein provided, or make default in the performance of any of the terms and covenants hereof, the lessor shall serve notice of such failure or default upon the lessees, and if such failure or default continues for a period of thirty days thereafter, then and in that event the lessor may, at its option, declare a forfeiture, and cancel this lease, whereupon all rights and privileges obtained by the lessees hereunder shall terminate and cease, and the lessor may reenter and take possession of

said premises; but these provisions shall not be construed to prevent the exercise by lessor of any legal or equitable remedy which lessor might otherwise have.

It is agreed that each obligation hereunder shall extend to and be binding upon, and every benefit hereof shall inure to, the heirs, executors, administrators, successors or assigns of the respective parties hereto.

IN WITNESS WHEREOF, lessor has caused these premises to be executed by its officers by authority of its Board of Directors and the seal of the corporation to be affixed, and lessees have signed these premises, in the manner following:

WITNESS:

Anna Vavra

Anna Vavra

Anna Vavra

Anna Vavra

THE COMSTOCK COPPER MINING COMPANY

By Walter C. Ferguson
President

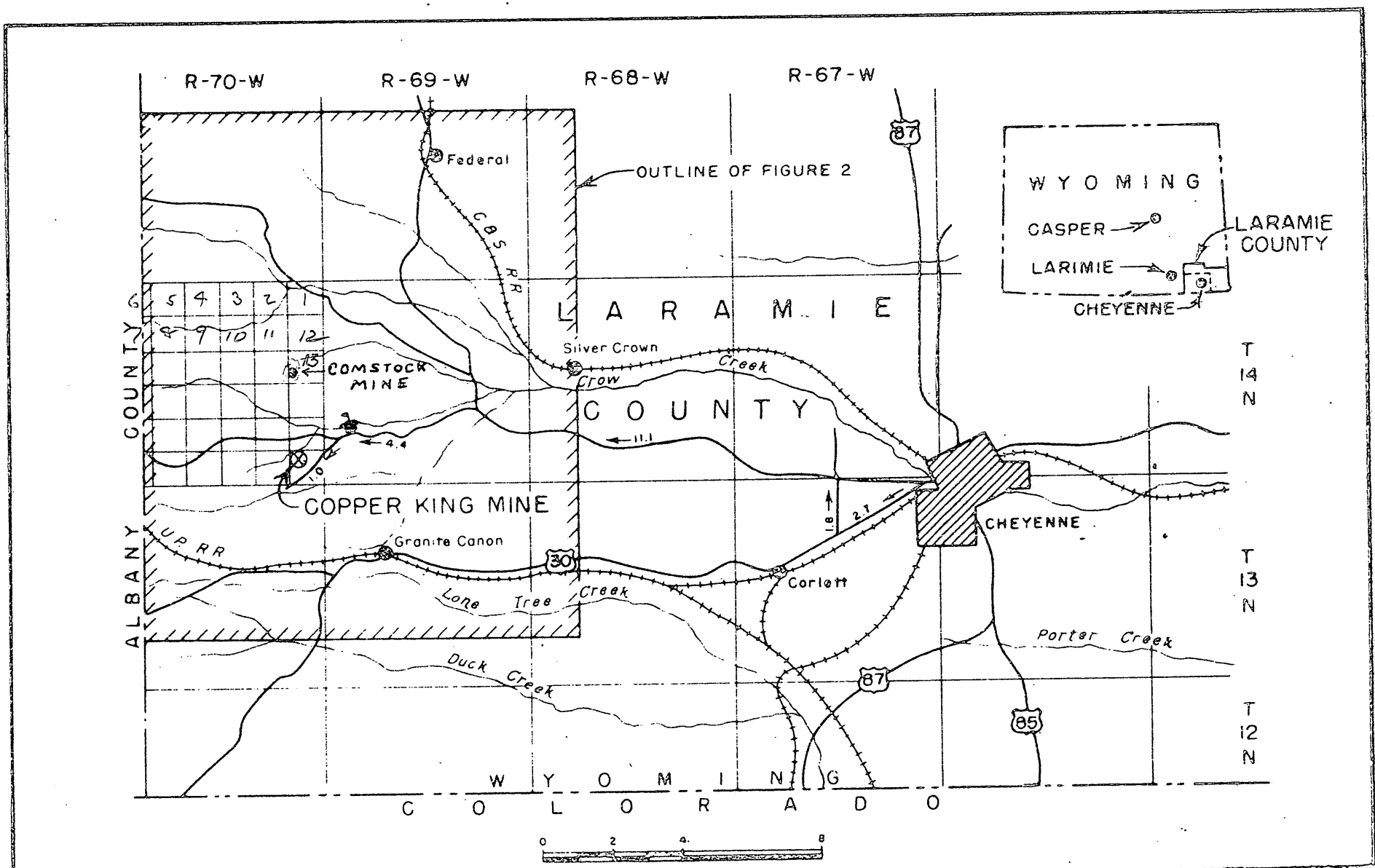
Attest: Ed. L. Ferguson
Secretary

Harry E. Ferguson

T. L. Johnston

Lessees

Fig #4


R-70-W
R-69-W
R-68-W
R-67-W
Federal
OUTLINE OF FIGURE 2
C B S RR
WYOMING
CASPER
LARIMIE
LARAMIE COUNTY
CHEYENNE
LARAMIE
COUNTY
Silver Crown
Crow
Creek
COMSTOCK MINE
COPPER KING MINE
ALBANY
COUNTY
U.P. RR
Granite Canon
Lone Tree Creek
Duck Creek
Corlett
CHEYENNE
Porter Creek
T 14 N
T 13 N
T 12 N
WYOMING
COLORADO
0 2 4 8
SCALE IN MILES

OFFICIAL FILE COPY
DMEA
RECEIVED
DATE

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Klugescheid	500
	Shamel	500
5/21	Johnson	110
	Mittendorf	100
		225

MAY 21 1958

Hon. Frank A. Barrett
United States Senate
Washington 25, D. C.

Re: Docket No. DMEA-4921 (Copper)
Good Venture Mining Company
Comstock Mine
Laramie County, Wyoming

Dear Senator Barrett:

Thank you for your letter of May 15, 1958, enclosing a copy of Mr. Harry E. Ferguson's letter to you of May 14.

I appreciate having Mr. Ferguson's comments on my letter to you of April 25.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WPKlugescheid/FEJohnson/er/bih
May 21, 1958
cc to: Files (Docket)
Adm. Reading File
MR
DL
DCCO
Secretary's Reading File
Mr. McMahon - USBM
Mr. Kiilsgaard - USGS
Region III (2)

PRS - 0233

Cross Ref. PRS - 9237

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/20	Klugescheid	500
		500
		110
		100
		225

Hon. Frank A. Barrett
United States Senate
Washington 25, D. C.

Re: Docket No. DMEA-4921 (Copper)
Good Venture Mining Company
Comstock Mine
Laramie County, Wyoming

Dear Senator Barrett:

I have received your letter dated May 15, 1958, and a copy of Mr. Harry E. Ferguson's letter which accompanied it, for which I thank you.

I read and noted Mr. Ferguson's comments.

Sincerely yours,

Administrator

WPKlugescheid/er 5/20/58
Copy to: Sec. Read. File
MR
DL
DCCO
Admr R File
Docket
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Region III (2)
Chron.

PRS - 0233

Cross Ref. PRS - 9237

8623

JAMES E. MURRAY, MONT., CHAIRMAN
CLINTON P. ANDERSON, N. MEX.
RUSSELL B. LONG, LA.
HENRY M. JACKSON, WASH.
JOSEPH C. O'MAHONEY, WYO.
W. KERR SCOTT, N. C.
ALAN BIBLE, NEV.
RICHARD L. NEUBERGER, OREG.
EUGENE D. MILLIKIN, COLO.
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THOMAS H. KUCHEL, CALIF.
FRANK A. BARRETT, WYO.
BARRY GOLDWATER, ARIZ.

RICHARD L. CALLAGHAN, CHIEF CLERK

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

May 15, 1958

PRS
MAY 16 1958 0233

TO: MDM	
REPLY TO BE PREPARED BY:	MDM
FOR SIGNATURE OF:	MDM
COPY OF LETTER FURNISHED	
MR DL	
SEND REPLY COPY TO ABOVE	

Cross ref.
PRS 9237

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

Reference is made to your letter of April 25 regarding the loan application of the Good Venture Mining Company of Laramie, Wyoming, Docket No. DMEA-4921 (Copper).

I forwarded your letter to Mr. Ferguson of the Good Venture Mining Company and asked for his reactions to the information contained in your letter. So that you might have the benefit of Mr. Ferguson's comments on your April 25 letter, I am enclosing herewith a copy of his correspondence.

With very best wishes and kindest personal regards, I am

Sincerely yours,

Frank A. Barrett

Frank A. Barrett, USS

FAB:jhs

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 16 1958

DATE		CODE
5/16	C	220
		500

GOOD VENTURE MINING CO., INC.

408 BOYD BLDG. CHEYENNE, WYO.

OFFICERS
PRESIDENT
HARRY E. FERGUSON
VICE-PRESIDENT
T. L. "TED" JOHNSTON
TREASURER
HARRY E. RUCKMAN

May 14, 1958

Senator Frank A. Barrett
Senate Office Building
Washington, D. C.

Dear Senator:

Thank you for your letters of April 22nd and 29th and enclosing the letter to you from the Defense Minerals Exploration Administration regarding our application for a DMEA loan. You requested [illegible] forth in the letter signed by Mr. Mittendorf.

Paragraph three: The Good Venture Mining Company did not lease the property until January 1956 and the owners of the mine have been engaged in other businesses and are not especially interested in mining. I believe there are many properties that were not operated during World Wars I and II and the Korean War.

Paragraph six: It is true that the formation gives way to an unfavorable host rock from the 100 foot level to the 205 foot level in the shaft and the vein becomes tight and unmineralized for the most part, however an appreciable amount of ore was mined from the 172 foot level and most of this ore is piled on the dump. At approximately 225 feet northeast of the shaft on the 205 foot level, the formation changes to a fine grained gneiss with high grade copper mineralization. This fine grained gneiss is the host rock for mineralization in the entire district, including the Copper King property. The major portion of the ore on dump was mined in this area and is the favorable area to explore by drilling at depths of approximately 0-400 feet and definitely not the unfavorable area. During the examination by the DMEA Field Team, the Bureau of Mines engineer remarked that the formation had changed when we reached this area.

Paragraph seven: It is our firm belief that the shaft and drifts are not on the main vein and probably accounts for the vein becoming tight and unmineralized for the most part as it extends away from the main vein. During the examination, the engineer mentioned several times that the vein approximately 220 feet east of the shaft, "lines up with the well defined vein to the north", where more than 50 percent of the proposed drilling was planned.

The vein where the shaft and drifts are extends beyond the property line at a point about 420 feet southwest and the owners of the property evidently were of the same opinion as we are when they extended the property lines to the south instead of to the southwest.

Paragraph eight: Mr. Mittendorf is correct in stating that the Copper King Mine in the same vicinity. was the subject of a DMEA application which was denied on October 23, 1952. Soon after the DMEA loan was denied, the Copper King Company drilled five holes for a total footage of 2,335 feet with private capital. Mineralization occured in every foot drilled. In the fall of 1953 the Bureau of Mines approved an appropriation of $20,000.00 on the property and drilled three holes for a total footage of 2,665 feet. The Copper King Mining Company encountered good ore below 150 feet and the Bureau of Mines in hole BM 3 encountered commercial ore from the surface to a depth of 503 feet, which conclusively proved that the ore did not consistently decrease below 150 feet. Report of Investigations 5139, Copper King Mine, Copper-Gold-Silver Deposits, Silver Crown Mining District, Laramie County, Wyoming. United States Department of the Interior, June 1955.

Your assistance regarding the loan is deeply appreciated. We are naturally disappointed, however we wish to thank Mr. Mittendorf for reconsidering the application.

Yours sincerely.

Harry E. Ferguson

Harry E. Ferguson

but we must first determine that, in our judgment, the property presents a reasonable exploration target.

I trust that the foregoing is an adequate reply to your letter. If not, please do not hesitate to call on me again. In compliance with your request, I am returning the two maps which were enclosed with your letter.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

COMittendorf/fw-4/25/58

cc: Secretary's Reading File
MR ~~(2)~~
MEM - Doclert
DL
DCCO
Mr. McMahon, USBM
Mr. Killagaard, USGS
Reg. III (2)
Administrator, DMEA
Admr. Reading File, DMEA

PRS 9237

JAMES E. MURRAY, MONT., CHAIRMAN
CLINTON P. ANDERSON, N. MEX.
RUSSELL B. LONG, LA.
HENRY M. JACKSON, WASH.
JOSEPH C. O'MAHONEY, WYO.
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ALAN BIBLE, NEV.
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GEORGE W. MALONE, NEV.
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THOMAS H. KUCHEL, CALIF.
FRANK A. BARRETT, WYO.
BARRY GOLDWATER, ARIZ.

RICHARD L. CALLAGHAN, CHIEF CLERK

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

April 22, 1958

PRS
APR 23 1958 9237

TO: MDM	
REPLY TO BE PREPARED BY:	MDM
FOR SIGNATURE OF:	MDM
COPY OF LETTER FURNISHED	
MR	DL
SEND REPLY COPY TO ABOVE	

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

Attached hereto is a copy, with enclosures, of a letter with reference to your Docket No. DMEA-4921 Copper, Comstock Mine, Laramie County, Wyoming, which I received from Mr. Harry E. Ferguson, President of the Good Venture Mining Co., Inc. In view of Mr. Ferguson's statements relative to the extent of the copper mineralization on their claims and, also, the fact that drilling in the district would act as an economic stimulant, I would appreciate your reconsidering your decision on the Good Venture Mining Company's loan application. It seems to me that participation by the Government in this exploration work can be justified.

When you reply to this letter, would you please give me an answer to the questions raised by Mr. Ferguson in the fourth paragraph of his letter. Also, would you return the enclosed [two] maps after they have served their purpose.

[Letter attached to MM-103]

Yours very truly,

Frank A. Barrett

Frank A. Barrett, USS

FAB:br

Enclosures

OFFICIAL FILE COPY
DMEA
RECEIVED APR 23 1958

DATE	INITIALS	CODE
4/23	C	226
		500

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/25	Mutendorf	100
4/26	C	220
	WRY	500
		225

APR 2 5 1958

Hon. Frank A. Barrett
United States Senate
Washington 25, D. C.

Re: Docket No. [illegible]-1921 (Copper)
Good Venture Mining Company
Comstock Mine
Laramie County, Wyoming

Dear Senator Barrett:

I am glad to have the opportunity to comment on Mr. Harry E. Ferguson's undated letter to you which was transmitted by your letter of April 22, 1958. Because of your request that our denial of his application be reconsidered, and your belief that Government participation in the exploration of the Comstock Mine can be justified, I have personally reviewed the docket in order to apprise you of some of the findings and considerations which supported our decision.

The Comstock Lode Claim was located in 1882 and little is known about its early history of operations. Between 1911-15 a moderate amount of exploration and development work was done and, as Mr. Ferguson states, during 1915 and '16 about 36 tons of copper ore were produced and marketed. This production represented two small shipments of 24 and 12 tons respectively and was mined from three small stopes in the 1000 feet or so of underground development workings.

It is perhaps noteworthy that no commercial production has resulted since 1916 in spite of the acute shortages and high prices of copper which prevailed during World Wars I and II and the Korean War.

Mr. Ferguson's application for aid was received on January 17, 1958, and promptly processed in accordance with our normal procedures. This entails a preliminary review by the commodity specialists of the U.S. Geological Survey and the Bureau of Mines and engineers of the DMEA in Washington. Following this review the application was forwarded to the Regional Officers at Denver who arranged for an on-site examination of the property by a geologist and a mining engineer staffed with Survey and Mines respectively. Their findings were then reviewed by senior employees of the two agencies, comprising the regional DMEA Field Team members, who transmitted their recommendations to Washington.

PRS 9237

8623

At this point all reports and recommendations were reviewed and evaluated independently by commodity specialists and the DMEA Base Metals Division and the proposed final action presented to the Operating Committee for its consideration. The Operating Committee is composed of the Special Assistant to the Administrator of DMEA, as chairman, and a representative of the Director of the U.S. Geological Survey and of the Bureau of Mines as members. Then, a dozen geologists or engineers reviewed this case. There was complete unanimity of opinion that the application for Government participation should be denied.

It is true that small pockets of high-grade ore have occurred occasionally in a narrow vein in a granite-gneiss formation near the surface. This formation gives way to an unfavorable host rock at depth as shown by the mine workings, at approximately the 100 ft. level, and the vein becomes tight and unmineralized. It is in this unfavorable horizon that the applicant proposed to explore by drilling to depths of approximately 250-400 feet. It was because of our honest opinion that the geologic features were unfavorable for downward extension and improvement of mineralization that we could not justify Government participation in the proposed work.

Mr. Ferguson contends that the existing shaft and workings are not on the main vein. He also expressed this opinion to our geologist and engineer when he accompanied during the property examination. No evidence could be found to support his contentions.

Mr. Ferguson also mentions the Copper King Mine which is in the same vicinity. This mine was the subject of a DMEA application, also submitted by Mr. Ferguson, which was denied on October 23, 1952. The drilling which was done by industry conclusively proved that the values decreased consistently below a depth of 150 feet.

You ask that I comment on the questions raised by Mr. Ferguson in the fourth paragraph of his letter. I believe his emphasis of the footage of drilling requested, its estimated cost, and reasonableness is not relevant to the issue. In our denial of April 7, 1953, we stated:

> "Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program."

We made no reference to the quantity or cost of the work.

The principal criterion employed by DMEA in passing upon applications is "the geologic probability of making a significant discovery." In the case of DMEA-4291 we were of the unanimous opinion that such a "probability" did not exist. Had it existed, the sum requested by the applicant would have become a secondary consideration. It is not uncommon for DMEA to suggest more work at greater cost than the applicant proposes,

GOOD VENTURE MINING CO., INC.

408 BOYD BLDG. CHEYENNE, WYO.

OFFICERS
PRESIDENT
HARRY E. FERGUSON
VICE-PRESIDENT
T. L. "TED" JOHNSTON
TREASURER
HARRY E. RUCKMAN

date?

Senator Frank A. Barrett
Senate Office Building
Washington D. C.

Dear Senator:

With regard to our telephone conversation of last Thursday, this letter is written as you requested.

This company on January 15th applied to the Defense Minerals Exploration Administration for a loan of just under $30,000, 50 percent government participation (Docket No. DMEA-4921 Copper, Comstock Mine, Laramie County, Wyoming).

I received a letter on April 10th from C. O. Mittendorf, Administrator, stating "Careful study of all our information, although noting a small amount of copper mineralization on your claims, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied."

We concede that 4500 feet of diamond drilling in ten holes (DMEA participation less than $15,000) will not significantly improve the mineral supply position for the National Defense Program. Will 4500 feet of diamond drilling in any undeveloped area improve the mineral supply position? Is it unreasonable to request a loan of less than $15,000 to aid in the development of copper in Wyoming?

It is evident that the existing shaft and drifts are not on the main mineralized vein (this was mentioned in the application). It is our sincere belief that the drilling will prove a definite vein system and sufficient ore for a profitable mining operation and repayment of the DMEA loan. A carload of ore shipped March 14, 1916, averaged 160 pounds of copper per ton.

Furthermore, it is our impression that the drilling will stimulate interest in the district and encourage investment of private capitol. One of the large diamond drilling and contract mining companies has requested an option to do the mining for a percentage of the net smelter returns.

For your information I am enclosing a map of the mineralized areas in the Silver Crown Mining District, organized April 4, 1879. This mineralization extends for many miles and includes the Copper King Mine, where diamond drilling has proved several million tons of low grade ore and there is a potential of 50 to 75 million tons.

Your kind offer of assistance is certainly appreciated and please advise me if additional information is desired. May I say your talk last Friday evening was very interesting and I believe the most informative of our Republication meetings.

Yours sincerely,

Harry E. Ferguson

Harry E. Ferguson

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/3	Klugescheid	500
	Thiewes	500
4/7	Selberg	130
4/7	Lamb	130
4/7	Kilsgaard	130
"	Johnson	110
"	Stutenberg	100
		225

Mr. Harry E. Ferguson
President
Good Venture Mining Company
408 Boyd Building
Cheyenne, Wyoming

APR 7 1958

Re: Docket No. DMEA-4921 (Copper)
Good Venture Mining Company
Comstock Mine
Laramie County, Wyoming

Dear Mr. Ferguson:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-named property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of copper mineralization on your claims, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

(for)

Administrator

WPKlugescheid/er 4/3/58
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Region III (2)
Chron.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

April 7, 1958

Memorandum for the Files

From: W. P. Klugescheid, Division of Base Metals

Subject: Justification for Denial of Docket No. DMEA-4921, Good Venture Mining Company, Comstock Mine, Laramie County, Wyoming, Copper.

The cited application, dated January 10, 1958, was received in this office on January 20.

The Applicant proposed to explore the deposit by means of 2,500 feet of diamond drilling in 5 holes from the surface and 2,000 feet of drilling from two locations underground in 5 holes. The estimated cost of the work was $30,000.00.

The property was examined by F. B. Moore, USGS, and E. O. Binyon, USBM, on February 27, 1958. In 1915 and 1916, two cars of ore were shipped, totaling 36.12 tons having an average grade of 0.55 oz. Au, 7.76 oz. Ag, and 3.23 per cent Cu. There has been no real production since. No work has been done on the property in recent years except dewatering the mine for the examination.

The Comstock deposit occurs in a strong northerly-striking shear that can be traced for 2,000 feet on the surface. The sulphide ore minerals are chalcopyrite, bornite, and chalcocite. Malachite and azurite are the chief minerals found above a depth of 100 feet. In this deposit, as in others in the district, the favorable host rock is granite gneiss. Where the host rock is dioritic gneiss, as in most of the workings below the 100 level, the vein is tight and essentially unmineralized. All stoping which was done seems to have been in the granite gneiss. The ore occurs in small pockets.

Job prior history

The Examiners state: "Where the fissures cut dioritic gneiss they are essntially barren. . . . . Field evidence points to the probability that the Comstock fissures will be in unfavorable dioritic gneiss at the depths (250 to 400 feet) proposed for the drill holes.

"It is improbable that the proposed exploration will discover significant copper deposits at the Comstock mine, and it is recommended that the application for DMEA assistance be denied."

The commodity members of the Geological Survey and the Bureau of Mines and the Field Team concurs with the recommendation.

We concur also with the above recommendation.

W. P. Klugescheid

W. P. Klugescheid

WPK/er
Copy to: Docket
Admr R File
Chron.

8623

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DMEA
RECEIVED APR 4 1958
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

April 3, 1958

Docket No. DMEA-4921 (Copper)
Good Venture Mining Company
Laramie County, Wyoming

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Field Examination Report

The examiners report that the geologic features are not favorable for the downward extension and improvement of the mineralization of the fissures to be tested. Accordingly, they recommend that the application be denied.

I concur in that recommendation.

A. D. McMahon

A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

OFFICIAL FILE COPY
DMEA
RECEIVED APR 1 1958
DATE | INITIALS | CODE
4/1 | C | 224
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IN REPLY REFER TO:

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

March 31, 1958
Re: DMEA 4921
Good Venture Mining Co., Inc.
Comstock and Good Venture Claims
Laramie County, Wyoming
$30,000 - Copper

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicant requested assistance in exploring a copper-bearing quartz vein in granite gneiss, by 4500 feet of core drilling.

Three small ore bodies have been opened up and probably mined out. The average copper content is not given, but 36.15 tons shipped to Omaha in 1915-16 assayed 0.55 oz. Au., 7.76 oz. Ag. and 3.23% copper. There has been no production since.

In the opinion of the examiners, the granite gneiss in which the productive part of the vein occurs, gives way about the 100-foot level to diorite gneiss and the shear zone and vein become narrow and low-grade.

Inasmuch as the vein, where existent, is narrow and the ore shoots are short, there is no apparent reason for thinking the vein is potentially valuable at depth. If, as noted, the change in wall rocks is as unfavorable as indicated, the potential is lower.

The examiners recommend that the application be denied. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

0111-Site Report.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL FILE COPY
DMEA
RECEIVED MAR 27 1958

DATE		
3/27	C	220
3/31	2/B	130
3/31	C	220
3/31	Dlerg	DEC

224 New Customhouse
Denver 2, Colorado

March 24, 1958

Memorandum

To: Secretary to the Operating Committee

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4921 (Copper) Good Venture Mining Company, Inc. (Comstock and Good Venture claims) Laramie County, Wyoming - Joint Report of Examination

Enclosed are the original and two copies of the Joint Report of Examination on the subject property.

The field examiners believe that the unfavorable host rock encountered below the 100-foot level of the mine indicates that deeper exploration is not warranted, and they recommend that the application for DMEA assistance by denied. We concur in this recommendation.

E. N. Harshman
for W. H. King

E. N. Harshman
E. N. Harshman

Reviewed by
DMEA OPERATING COMMITTEE
3-31-58
(date)

FOR UNITED STATES GOVERNMENT USE ONLY

RECEIVED MAR 27 1958

DATE	INITIALS	CODE
3/31	NB	130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

JOINT REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

DMEA
DEPARTMENT OF THE INTERIOR
MAR 21 1958
REGION III
DENVER, COLORADO

TRANSMITTED
MAR 24 1958

DMEA 4921

Good Venture Mining Company, Inc.

Comstock and Good Venture claims

Laramie County, Wyoming

Copper

Joint Engineering and Geologic Report

by

Frank B. Moore, Geologist
Geological Survey

E. O. Binyon, Mining Engineer
Bureau of Mines

March 19, 1958

Reviewed by
DMEA OPERATIONS DIVISION
3-31-58
(date)

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DMEA 4921

GOOD VENTURE MINING COMPANY, INC.
COMSTOCK AND GOOD VENTURE CLAIMS
LARAMIE COUNTY, WYOMING

INTRODUCTION AND SUMMARY

The Good Venture Mining Company, Inc., a Wyoming corporation, 408 Boyd Building, Cheyenne, Wyoming, has applied to the Defense Minerals Exploration Administration for aid in exploring for copper on the Comstock and Good Venture patented lode mining claims. The claims are in the western half of sec. 13, T. 14 N., R. 70 W., 6th principal meridian, Laramie County, Wyoming. The exploration project, which consists of 4,500 feet of diamond core drilling from the surface and underground, is estimated by the applicant to cost $30,000.

A field examination of the property was made by F. B. Moore, U. S. Geological Survey, and E. O. Binyon, U. S. Bureau of Mines on February 27, 1958. The examining team was accompanied by Harry E. Ferguson and Theo. L. Johnston, president and vice-president, respectively, of the company.

Copper sulfides occur in northerly- to northeasterly-trending fissures in Precambrian gneiss. The known copper deposits in the district are small. In the Comstock mine three small ore bodies have been exploited; the average grade of the ore is not known. Unfavorable host rock encountered below the 100-foot level of the mine indicates that deeper exploration is not warranted. It is therefore recommended that the application be denied.

ACKNOWLEDGMENTS

Thanks are due Harry E. Ferguson and Theo. L. Johnston for conducting the examining team over the property and through the mine.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The property, 21 miles by road west and slightly north of Cheyenne, Wyoming, is in sec. 13, T. 14 N., R. 70 W., 6th principal meridian, Laramie County, Wyoming (fig. 1).

To reach the property from Cheyenne, the nearest and largest supply center and rail point, take U. S. Highway 30, go west 27 miles then turn right and go 1.8 miles, then turn left onto a black top road and continue for 11.1 miles to a fork, bear left and go 4.8 miles to a fork just past a schoolhouse on the right, bear right and continue for approximately one-half mile to the home of Harry E. Ferguson which is about 1 mile by road from the mine shaft.

The two claims are on the eastern edge of the foothills of the Laramie Mountains, in an area of moderate relief. Altitude at the shaft, which is approximately at the center of the Comstock claim, is about 7,250 feet. The land slopes gently to the north to an altitude of about 7,200 feet at the northern boundary. To the south and east the slope is slightly steeper; altitude at the eastern boundary of the claims is about 7,100. Except for a small creek near the portal of the adit, no prominent topographic features were observed.

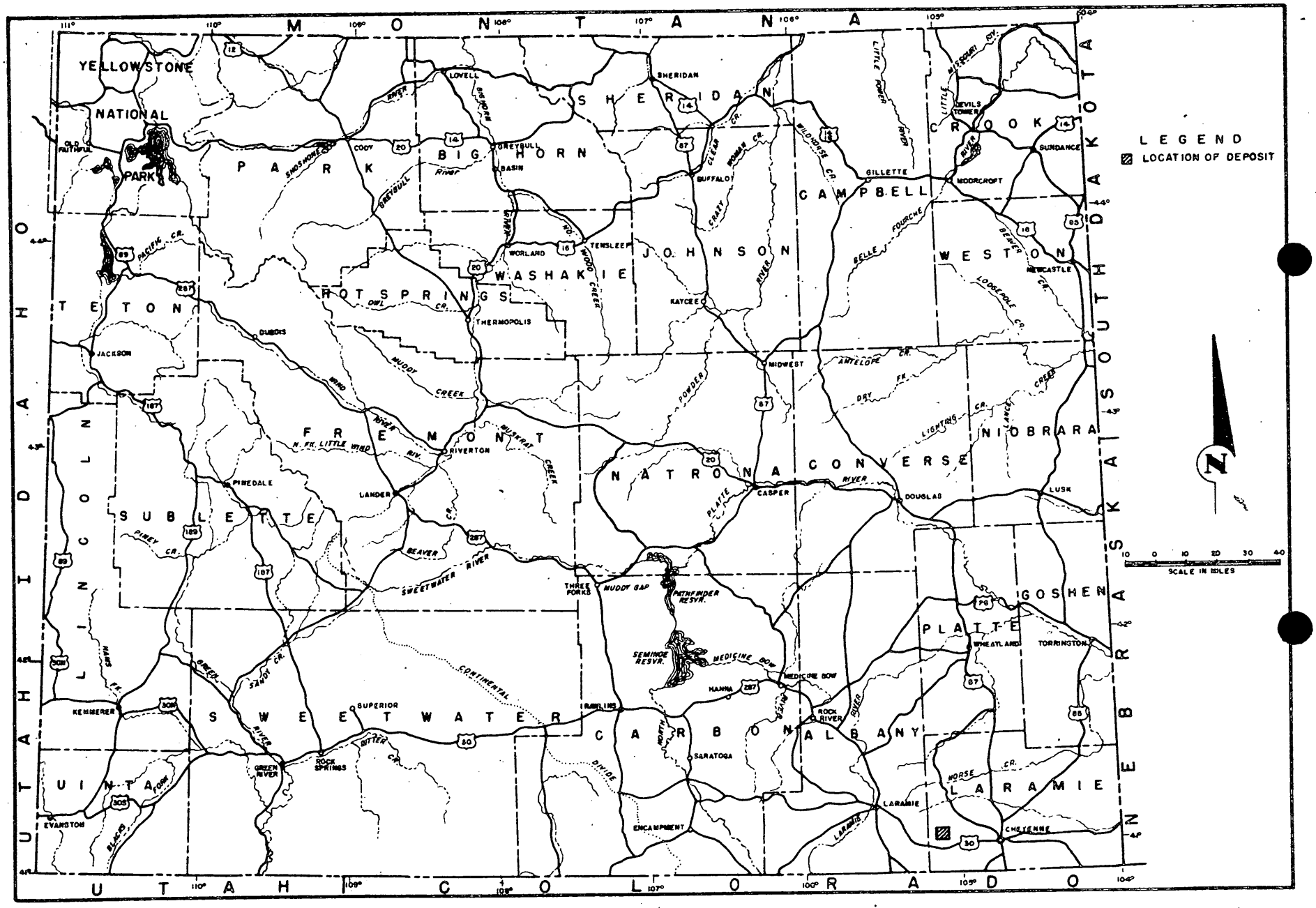

FIGURE 1 - LOCATION MAP, GOOD VENTURE MINING COMPANY, INC., COMSTOCK AND GOOD VENTURE CLAIMS, SEC. 13, T.14 N., R.70 W., 6TH PRINCIPAL MERIDIAN, LARAMIE COUNTY, WYO. DMEA 4921

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Vegetation consists mainly of range grasses and cacti. No usable timber grows in the immediate vicinity of the property.

A small flow of water is found in the creek near the south end of the property and in the mine. The supply from the creek and mine would be more than sufficient for the requirements of an exploration program or a small mining operation.

The climate is marked by mild summers and autumns, with short periods of severe weather during the winter months. Fairly heavy snow and rainfall occur during the winter and early spring and may for short periods limit travel over dirt or ungraded roads. Outside operations can be carried on for 10 to 11 months of the year without too much difficulty and underground the work can be done the year around.

OWNERSHIP

The Comstock and Good Venture patented lode claims are owned by the Comstock Mining Company, a Wyoming corporation of Cheyenne, Wyoming, and are held under an assignment and a lode mining lease by the Good Venture Mining Co., Inc., also a Wyoming corporation, with offices at 408 Boyd Building, Cheyenne, Wyoming. Approximately 40 acres are included in the two claims.

Photostatic copies of the lease and assignment accompanying the application are from Book 588 pages 406 through 409 at the County Clerk's office in Cheyenne, the County seat of Laramie County, Wyoming.

HISTORY AND PRODUCTION

The Comstock claim was located by William M. Ferguson, grandfather of Harry E. Ferguson, on September 11, 1882. Little was learned about the early history of the property; however, the Comstock Mining Co. was organized and brought the mine to its present stage of development.

The American Smelting and Refining Co. examined and sampled the property sometime in 1915 but did not take it over. At different times from 1911 to 1916 a minor amount of work was done on the property, and during 1915 and 1916 two small cars-- 24.1 tons in one and 12.05 tons in the other--were shipped to the A. S. and R. smelter at Omaha. Average grade of the 36.15 tons in both shipments was 0.55 oz. Au, 7.76 oz. Ag, and 3.23 percent Cu. Records of any shipments prior to 1915 were not obtained and there has been no production, except for a few hundred pounds, since 1916.

PRESENT STATUS

The property is idle at present and except for dewatering the mine below the 100-foot level for the examination and a minor amount of sorting of the dump, no work has been done on the property in recent years.

GEOLOGY

Rocks exposed in the vicinity of the Comstock copper mine consist of coarse-grained dioritic gneiss and fine-grained, aplitic granite gneiss. Both are Precambrian in age and, together with other Precambrian gneisses, form a 1- to 2-mile wide northerly-trending belt between the sediments on the east and the Sherman granite on the west (fig. 2). North- to northeasterly-striking faults at distances of three-fourths of a mile easterly and one-fourth of a mile westerly, respectively from the mine shaft, separate the gneiss from the sediments and from the granite. Foliation of the gneiss near the mine dips 60 to 75° to the west.

The Comstock deposit occurs in a strong northerly-striking shear that can be traced for 2,000 feet on the surface. The southern portion of the shear, where the strike is N 35-45° E, has been explored by a 205-foot shaft with nearly 1,000 feet of drifts on 5 levels. The northern portion (about 1,500 feet) contains numerous prospect pits and trenches. The shear, in general, dips steeply to the west.

The sulfide ore minerals are chalcopyrite, bornite, and chalcocite; the gangue is mostly quartz. Malachite and azurite are the chief minerals found above a depth of 100 feet. In this deposit, as in others in the district, the favorable host rock is granite gneiss. Where the host rock is dioritic gneiss, as in most of the workings below the 100 level,

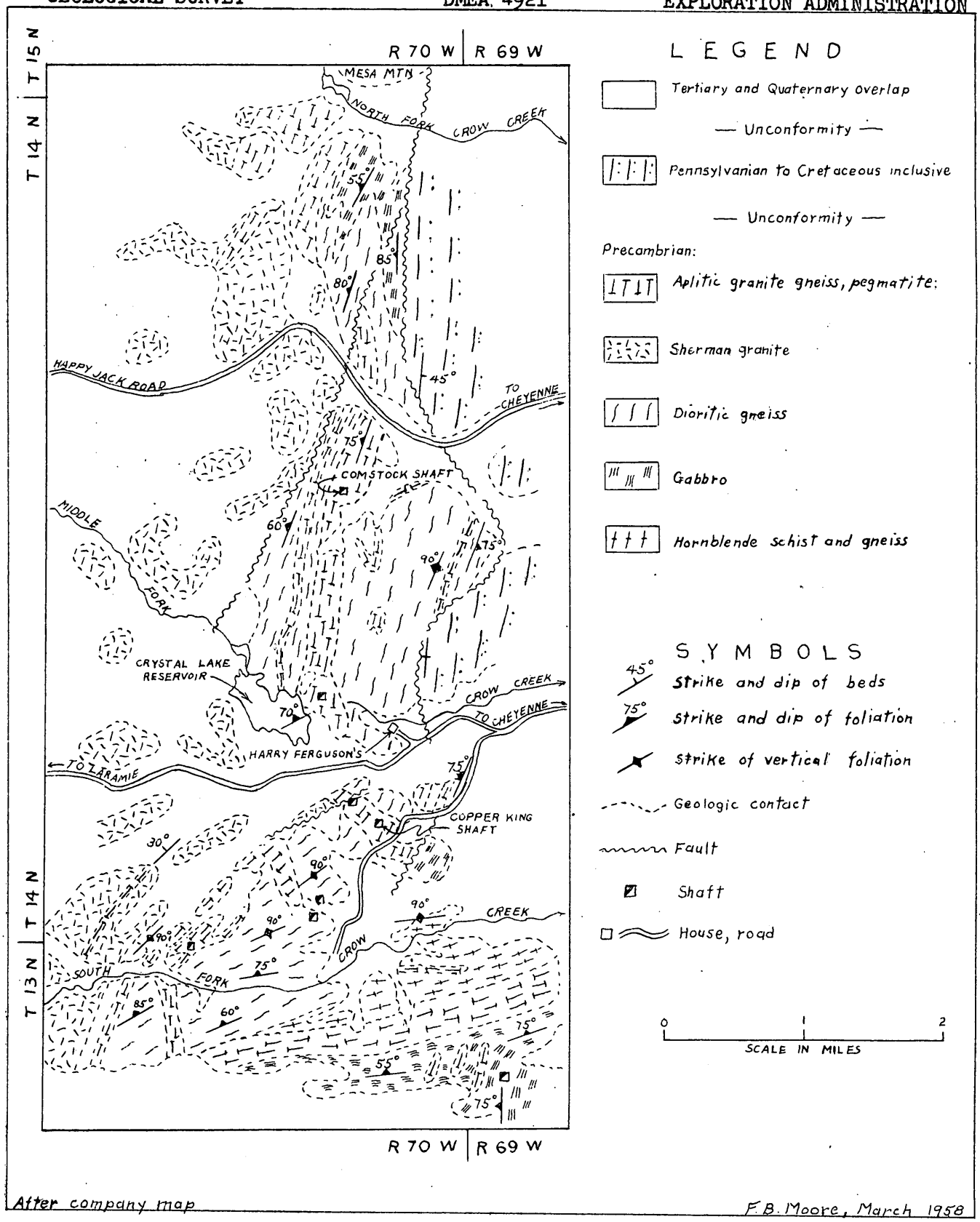

FIGURE 2.--GEOLOGIC MAP OF THE COMSTOCK MINE AREA, LARAMIE COUNTY, WYOMING

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the vein is tight and essentially unmineralized. The limited production of the mine has come, as far as can be judged, from three small stopes, two on the 100 level and one on the 205 level (fig. 3). All stopes are in granite gneiss. The ore occurs in small pockets of high grade material.

The applicant believes that the mine workings missed the main vein but no evidence of this could be found in the field. The vein does change strike between the shaft and the area of the prospect pits but the structure is equally strong and of similar appearance in both places. At depth where the rock type changes, the vein becomes weak but it can be followed in the shaft between the 100 and 205 levels. The structure above the 100 level is too strong to miss although it could not be checked owing to lack of ladders in the shaft. A fault cuts off the vein 250 feet from the shaft on the 205 level (fig. 3). This fault apparently displaces the vein to the west. That portion of the 205 level north of the fault was driven on a minor structure in the footwall of the faulted vein segment. The adit to the shaft on the 100 level cuts a 6-inch to 1-foot vein about 230 feet east of and parallel to the main Comstock vein. The east vein contains malachite and copper sulfides; a small stope and winze indicate some production.

The chances for the vein improving in depth, especially in the area of the mine workings, are poor. At the surface the vein is near the middle of an elongate body of granite gneiss about 1,000 feet wide

(fig. 2). However, the mine workings are largely in dioritic gneiss below the 100-foot level. With a conformable contact and the foliation dips shown on the surface map, the vein should have been in granite gneiss to a depth of more than 600 feet. Therefore, the contact between the granite gneiss and the dioritic gneiss, in the mine area at least, must be flatter than the foliation dips indicate. If a similar situation exists to the north (there is no evidence to the contrary), the vein in the northern portion will also be poor at depth. If evidence could be presented showing that the granite gneiss continued at depth, the possibilities of finding ore would be somewhat increased. However, the history of the Silver Crown district pretty well precludes the possibility of finding any large amounts of ore in this area.

ORE RESERVES

Ore reserves in the mine are limited to a few tons, the remnants of the small ore deposits that were mined.

APPLICANT'S PROPOSED EXPLORATION PROGRAM AND COSTS

In the application it is proposed to explore the shear zone for approximately 1,750 feet along the strike by core drilling 10 holes with a total length of 4,500 feet. Five holes are to be drilled from

two underground drill stations on the 100-foot or adit level to a total aggregate depth of 2,000 feet and five surface holes would be drilled to an average depth of 500 feet. The location, inclination, and depths of the holes are shown on the applicant's map "Claim area and proposed core drilling locations".

Estimated costs of the proposed program are as follows:

(a) 1. Underground drilling *

Preparation of two underground drill stations	$ 400.00
Core drilling 0-250 ft. AX size at $4.25/ft. 250-500 ft. AX size at $4.95/ft.	
For furnishing own compressor add $1.00 per ft.	
Total estimated cost for core drilling 2,000 ft.	11,025.00
Total estimated cost of underground core drilling	$11,425.00

2. Surface drilling *

Core drilling 0-250 ft. AX size at $5.30/ft. 250-500 ft. AX size at $6.00/ft. Reaming and cementing extra	
Total estimated cost for core drilling 2,500 feet from surface	$14,125.00
Total drilling contract cost	$25,550.00

(b) Supervision and engineering

Contract $100.00 per mo. for 5 mos.	500.00

(c) Power for lights and pump $15.00/mo. for 5 mos.	75.00

(d) (e) (f) Drilling contractor to furnish all equipment. No new installations nor repairs		---
(g) Miscellaneous		
Core splitters at 12¢ per ft. for 4,500 feet	540.00	
Assaying 200 samples $3.00.	600.00	
Total miscellaneous		$ 1,140.00
(h) Contingencies 10 percent		2,725.00
Total estimated cost		$29,990.00

(The applicant has a total cost of $30,000.00)

* Prices per foot are quoted from contractor

CONCLUSIONS AND RECOMMENDATIONS

Insignificant amounts of rather high grade copper ore occur along northerly- and northeasterly-trending fissures in aplitic granite gneiss. Where the fissures cut dioritic gneiss they are essentially barren. Both the production records of the Comstock mine and the history of the Silver Crown district indicate that ore bodies are small. Field evidence points to the probability that the Comstock fissures will be in unfavorable dioritic gneiss at the depths (250 to 400 feet) proposed for the drill holes.

It is improbable that the proposed exploration will discover significant copper deposits at the Comstock mine, and it is recommended that the application for DMEA assistance be denied.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

February 11, 1958

OFFICIAL FILE COPY
DMEA
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DATE	INITIALS	CODE
2/14	C	220
2/17	King	500

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region ~~III~~

Subject: Docket No. DMEA 4921 (Copper) Good Venture Mining Company (Comstock Mine) Laramie County, Wyoming.

Enclosed is one copy each of the following maps:

(1) Layout of proposed core drilling, Comstock Mine. Scale 1" = 200 feet.

(2) Map showing plan and elevation of underground workings, Comstock Mine. Scale 1" = 50 feet.

The applicant submitted two copies of the above-mentioned maps. Our copy of each map will be forwarded to the field for use by the field examiners.

We have not as yet received bids for drilling from the applicant.

W. H. King

Encls.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Klugescheid	500
	[illegible]	500
1/31	[illegible]	130
1/31	[illegible]	130
1/31	[illegible]	130
	[illegible]	110
	[illegible]	100
1/31	[illegible]	220
		500

JAN 31 1956

Mr. Harry E. Ferguson,
President
Good Venture Mining Company
408 Boyd Building
Cheyenne, Wyoming

Re: Docket No. DMEA-4921 (Copper)
Good Venture Mining Company
Comstock Mine
Laramie County, Wyoming

Dear Mr. Ferguson:

Your application for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred to:

Mr. W. H. King,
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

If the Field Team requires additional information concerning your application, they will contact you at an early date.

Sincerely yours,

O. O. [illegible]

Administrator

WPKlugescheid:ms 1/30
Copies: Docket
Admr. R. File
Oper. Com.
Mr. McMahon, USBM
Mr. Killsgaard, USGS
Region III (3)
Chron.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Klugescheid	500
	Brimer	900
1/31	GCS	130
"		~~130~~
"	Johnson	110
	Bartlesby	100
		220
		500

JAN 31 1958

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4921 (Copper)
Good Venture Mining Company
Comstock Mine
Laramie County, Wyoming

Dear Mr. King:

The cited application for exploration assistance is being referred to your office for consideration, a field examination of the property if warranted, and recommendations.

If the project is favorably considered by the Field Team, three bids must be submitted for the diamond drilling.

The costs given for the drilling are from a bid but the bid was not included with the application.

We assume that the assays would be for gold, silver and copper but question the usefulness of the assays for gold as the values are low.

The assays submitted are of little value as no vein widths are given for any of the workings.

The lease and the assignment of the lease seem to be in good order.

Copies of memoranda dated January 20 and 21, 1958, by N. E. Nelson, Geological Survey, and A. D. McMahon, Bureau of Mines, respectively, relating to the project are enclosed for your information. We are also enclosing two copies of the application for the use of the Field Team.

APPROVED:

O. M. Bishop (JB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JB)
Member, Geological Survey

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JB)

Enclosures: 8

Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Chron

WPKlugescheid:ms 1/30/58
Copies: Docket
Admr. R. File
Oper. Committee

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
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1/27 KLUG. 500

January 23, 1958

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4921 (Copper) Good Venture Mining Co., Inc. (Comstock Mine) Laramie County, Wyoming

Enclosed is additional information submitted by the Applicant which should be included with the three copies of the application, forwarded you with our letter of January 15, 1958: -

(1) Three copies of a letter from Harry E. Ferguson, dated January 20, 1958.

(2) Three copies of our reply dated January 23, 1958.

(3) Three copies of assay results on the Comstock Copper Mine.

(4) Three copies of a map showing the "Geology around Copper King Prospect"

(5) Three location maps; scale 1" = 4 miles.

(6) Three location maps; scale 1" = 8 miles.

The application, as originally submitted, contained one copy of the lease and assignment, which was forwarded you with the three copies of the application. Another copy of the lease and assignment was submitted with the Applicant's letter dated January 20, 1958, and is being retained with our copy of the application.

W H King
W. H. King
Executive Officer

Encls.

GOOD VENTURE MINING CO., INC.

408 BOYD BLDG. CHEYENNE, WYO.

OFFICERS
PRESIDENT
HARRY E. FERGUSON
VICE-PRESIDENT
T. L. "TED" JOHNSTON
TREASURER
HARRY E. RUCKMAN

January, 20, 1958

DMEA
DEPARTMENT OF THE INTERIOR
JAN 22 1958
REGION III
DENVER, COLORADO

Mr. W. H. King
Defense Minerals Exploration Administration
Bureau of Mines
224 New Customhouse Building
Denver 2, Colorado

Dear Mr. King:

Enclosing the additional maps, list of assays and a photo print of the lease and assignment.

T. L. Johnston said he would send you the mine maps and the proprosed drilling maps.

Yours very truly,

Harry E. Ferguson

Harry E. Ferguson

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1/21 | Klug | 500

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

January 21, 1958

Memorandum

To: W. R. Griswold, Defense Materials Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4921 (copper) Good Venture Mining Company, Comstock Mine, Laramie County, Wyoming. $30.000.00

The applicant seeks Government assistance in a diamond drilling program consisting of 4500 feet of drilling (2000 feet underground, 2500 feet surface) designed to explore for an ore zone at a depth of approximately 500 feet at the above cited property.

Previous mine workings consist of a 205 foot vertical shaft and 1000 feet of drifts and crosscuts on three levels. The mine was apparently pumped out and examined by the applicant who indicates the underground openings may not line up with surface exposures and that there is a possibility that the main ore body was not encountered underground.

Referral of the application to the Field Team is recommended.

A. D. McMahon

A. D. McMahon

Attachment
Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

IN REPLY REFER TO:

DMEA
RECEIVED JAN 21 1958

DATE		CODE
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1/21	kby	500

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

January 20, 1958
Re: DMEA 4921
Good Venture Mining Company
Comstock Mine
Laramie County, Wyoming
$30,000.00 - Copper

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The applicant requests assistance in exploring by surface and underground drilling a copper-bearing quartz vein in granite gneiss.

The mine, which is credited with some production, has been opened by a 205 foot vertical shaft and 1,000 feet of workings on 3 levels. In the opinion of the compiler of the application, the workings below the 100 level are not in the main vein.

The proposed drilling will explore the vein for 1,500 feet and to depth of 500 feet.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

January 17, 1958

Good Venture Mining Company, Inc.
408 Boyd Building
Cheyenne, Wyoming

Gentlemen:

Subject: DMEA-4921

Your application for exploration assistance, dated January 10, 1958 submitted to our office at Denver, Colorado has been assigned Docket Number DMEA-4921 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

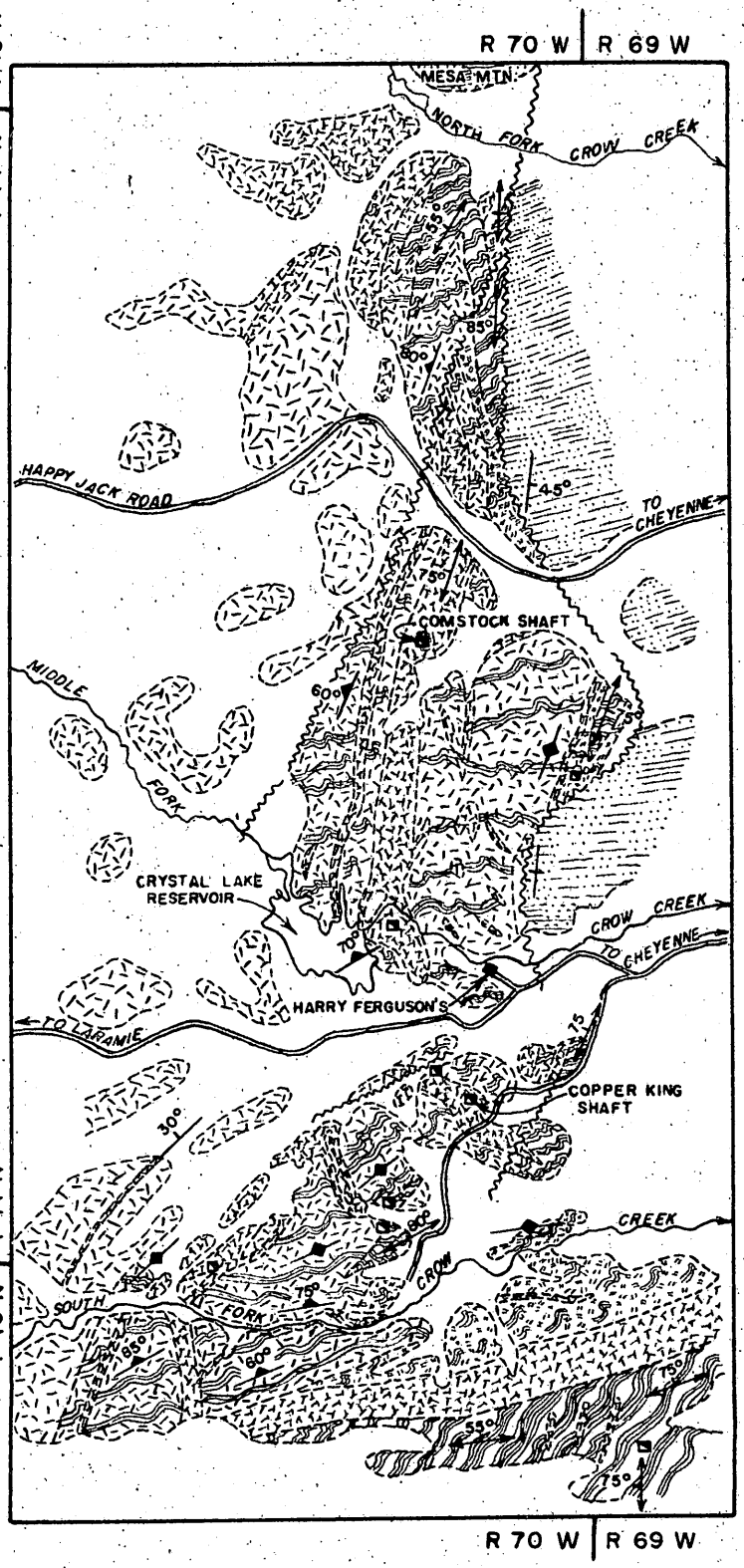
Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region III

Fig. 3



LEGEND

Tertiary and Quaternary overlap

— Unconformity —

Pennsylvanian to Cretaceous inclusive

— Unconformity —

Precambrian:

Quartz-feldspar porphyries, aplite and pegmatite; usually pink; in places foliated; numerous inclusions of gneiss.

"Sherman granite"; pink, massive, coarse grained

Gneisses; gray to pink, coarse grained, porphyroblastic; granite to dioritic in composition

Gabbro; black, medium grained; in places gneissic or schistose

Black hornblende-plagioclase schist and gneiss from basic lavas; minor quartzite, graywacke and conglomerate

SYMBOLS

Attitude of bed, dike, etc., inclined, vertical

Attitude of gneissosity, inclined, vertical

Attitude of schistosity, inclined, vertical

Geological boundary

Fault

Shaft or proposed pit

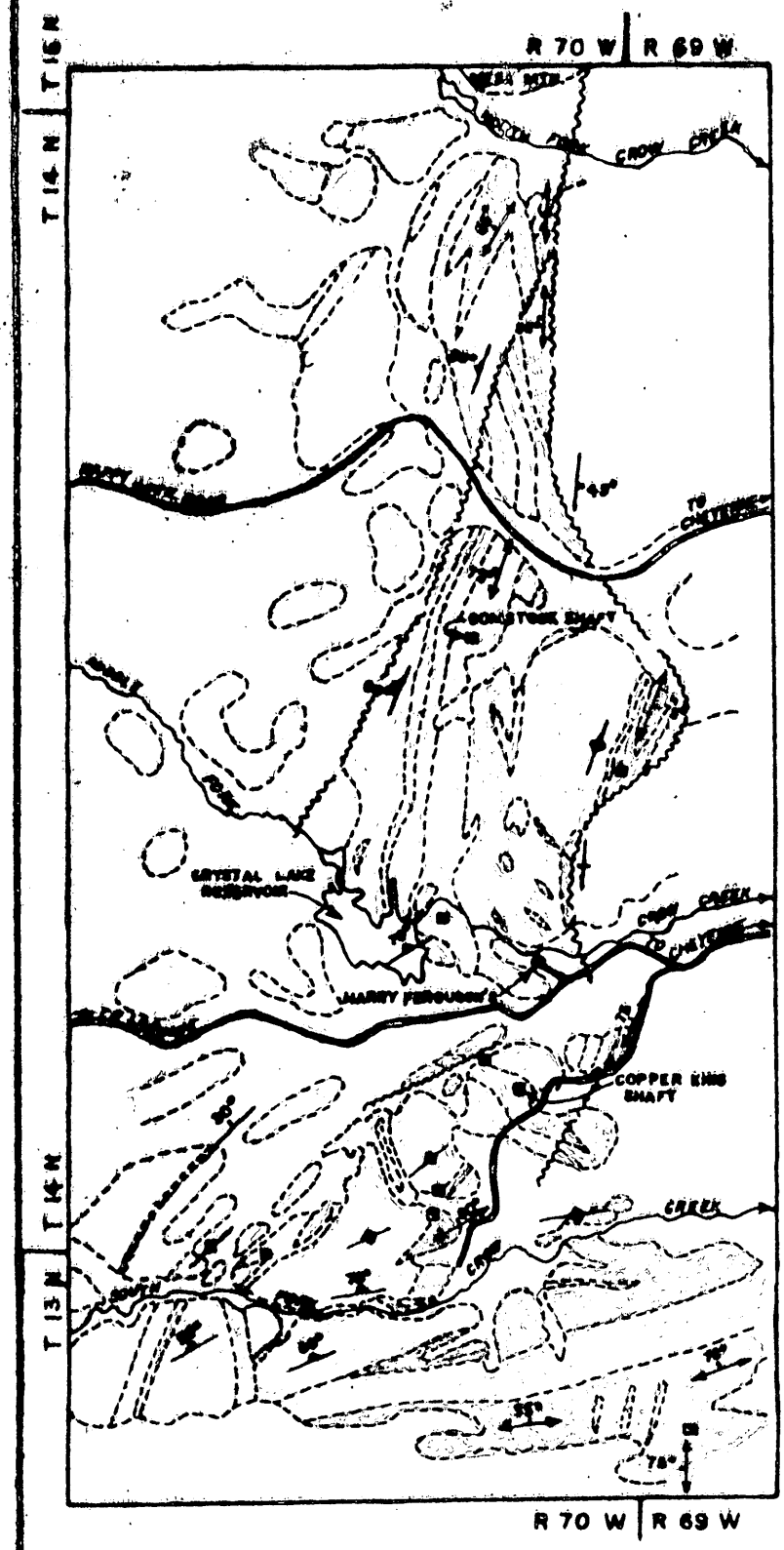
House, road

0 1 2

SCALE IN MILE

[Copy of this map and cross-section 4/22/58 letter from Dave Barnett]

GEOLOGY AROUND COPPER KING PROSPECT, LARAMIE COUNTY, WYOMING



LEGEND

Tertiary and Quaternary overlap

— Unconformity —

Pennsylvanian to Cretaceous inclusive

— Unconformity —

Precambrian

Quartz-feldspar porphyries, aplite and pegmatite, usually pink; in places foliated; numerous inclusions of gneiss.

"Sherman granite"; pink, massive, coarse grained

Gneisses; gray to pink, coarse grained; porphyroblastic; grades to diorite in composition

Gabbro; black, medium grained; in places gneissic or schistose

Black hornblende-plagioclase schist and gneiss from basic lava; minor quartzite, graywacke and conglomerate

SYMBOLS

Attitude of bed, dike, etc., inclined, vertical

Attitude of gneissosity, inclined, vertical

Attitude of schistosity, inclined, vertical

Geological boundary

Fault

Shaft or proposed pit

House, road

0 1 2
SCALE IN MILE

GEOLOGY AROUND COPPER KING PROSPECT, LARAMIE COUNTY, WYOMING

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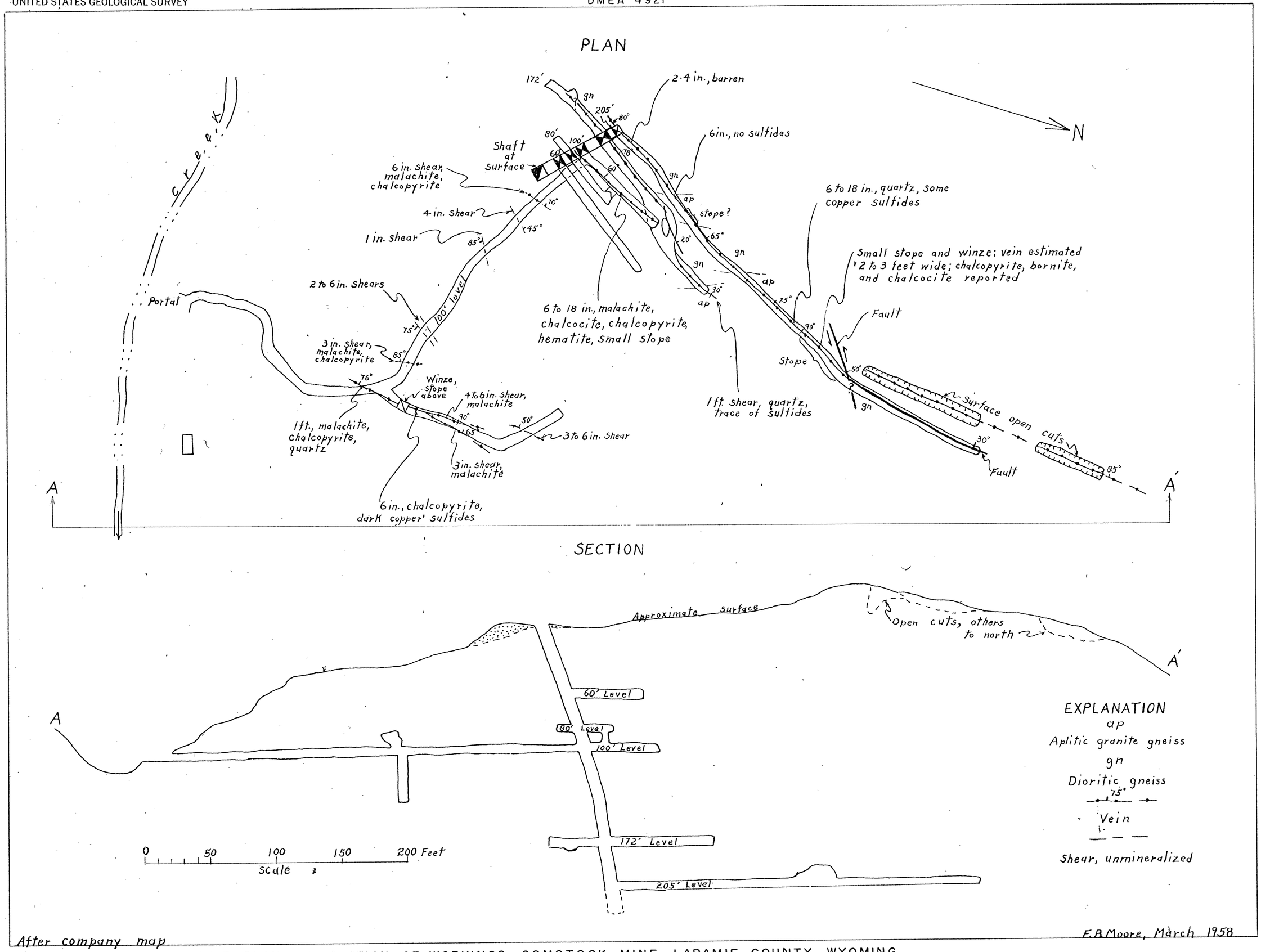
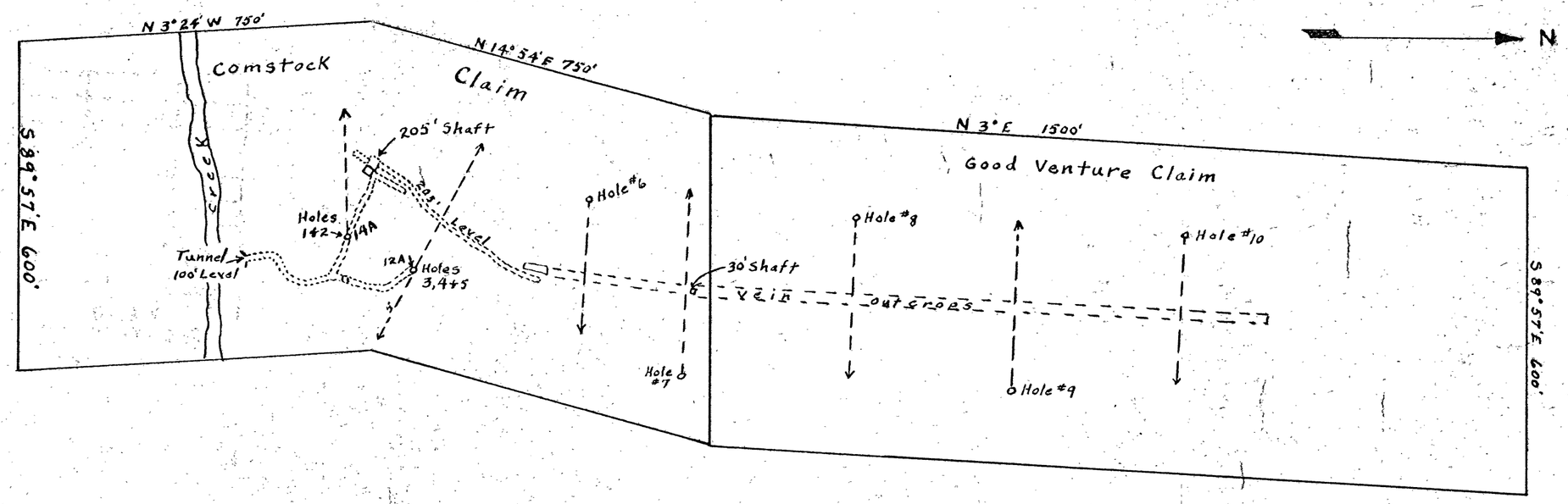
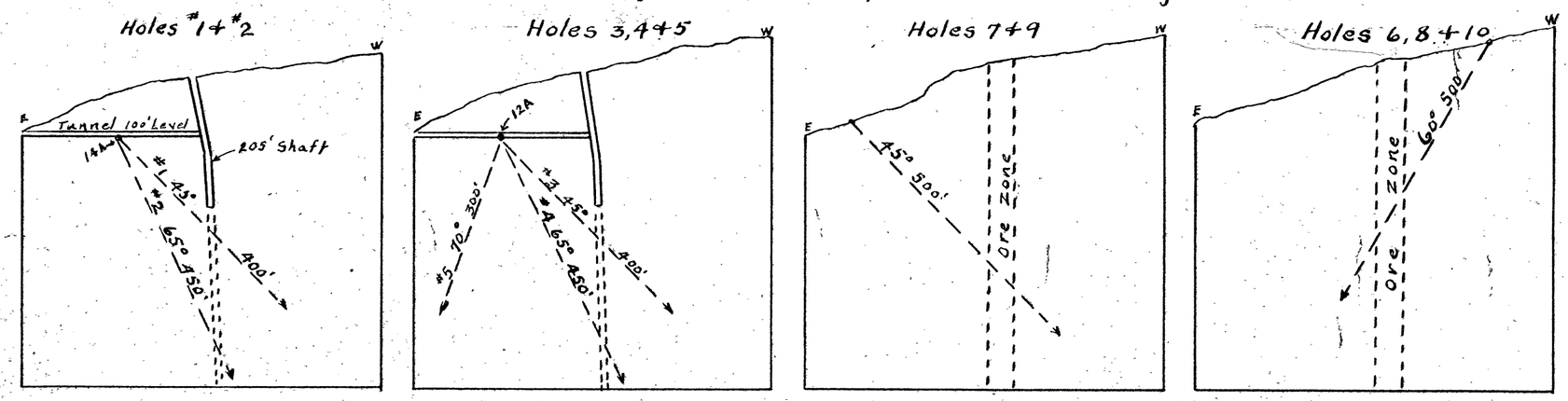


FIGURE 3- PLAN AND SECTION OF WORKINGS, COMSTOCK MINE, LARAMIE COUNTY, WYOMING

Claim Area and Proposed Core Drilling Locations



Cross-Sections
Vertical Projection of Proposed Core Drilling



Comstock Mine
Laramie County, Wyo.
Layout of Proposed Core Drilling
Scale: 1" = 200 ft. Jan. 1958
T.L.J.

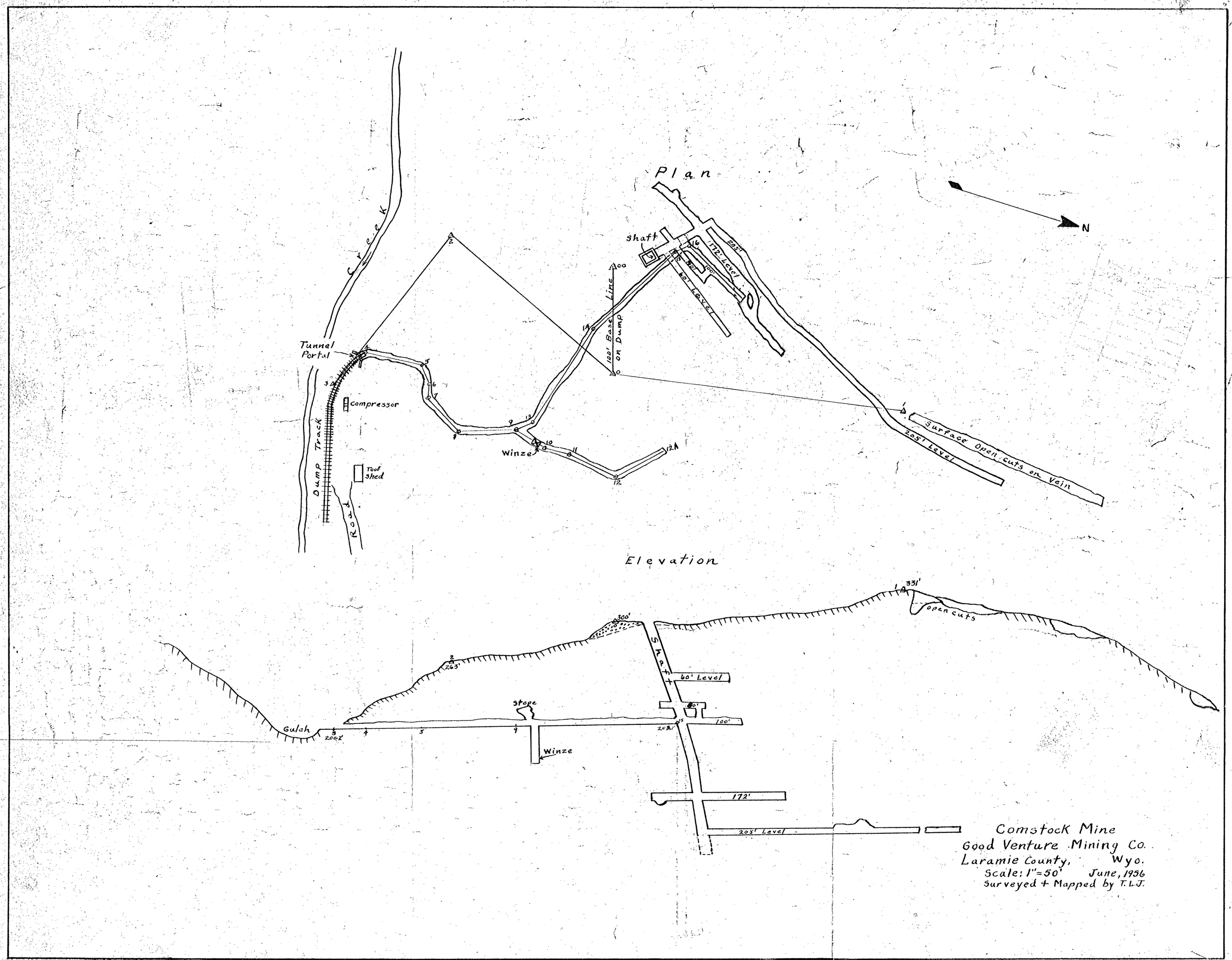
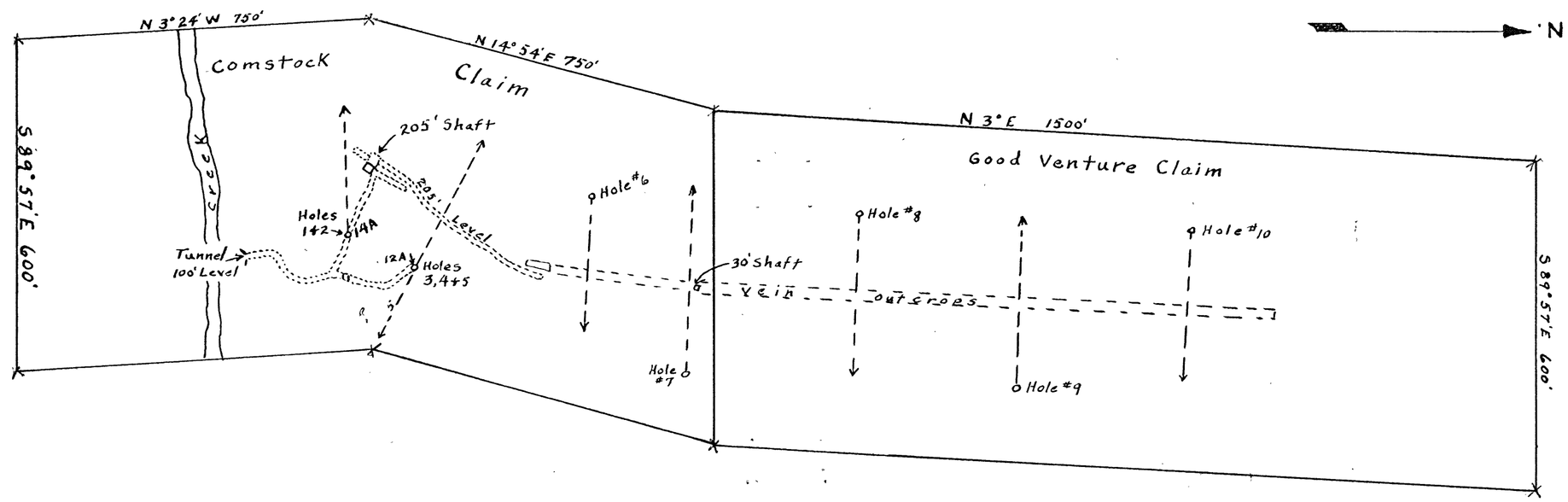

Plan
N
Creek
Tunnel Portal
Compressor
Dump Track
Tool Shed
Road
Winze
100' Base Line on Dump
Shaft
172' Level
60' Level
Surface Open cuts on Vein
203' Level
Elevation
Gulch
200.2'
263'
300'
Stope
Winze
Shaft
60' Level
100'
203.1'
172'
203' Level
331'
open cuts
Comstock Mine
Good Venture Mining Co.
Laramie County, Wyo.
Scale: 1"=50' June, 1956
Surveyed + Mapped by T.L.J.

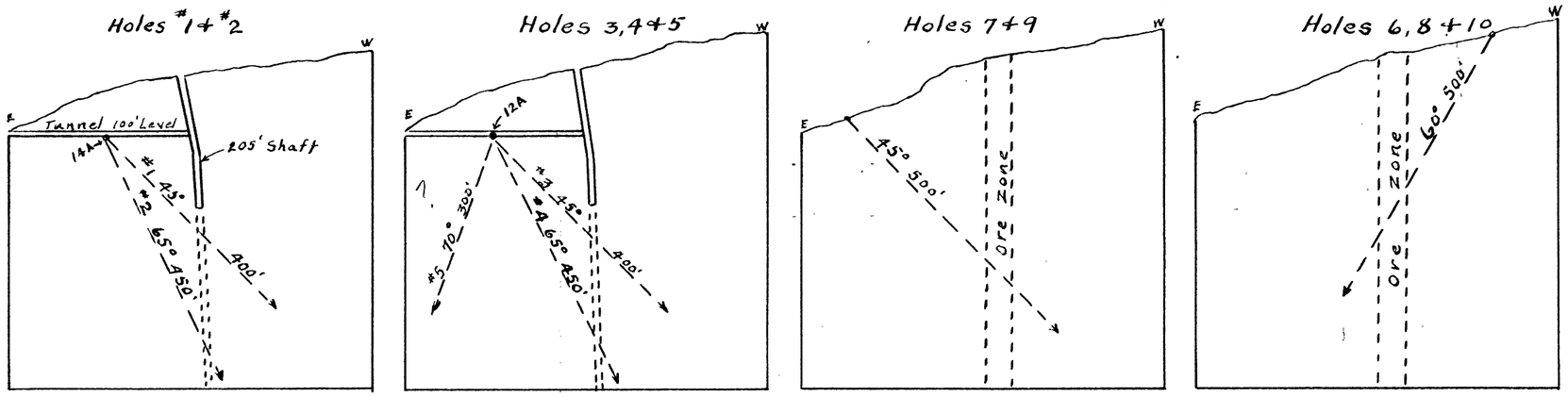
Fig #5

Claim Area and Proposed Core Drilling Locations



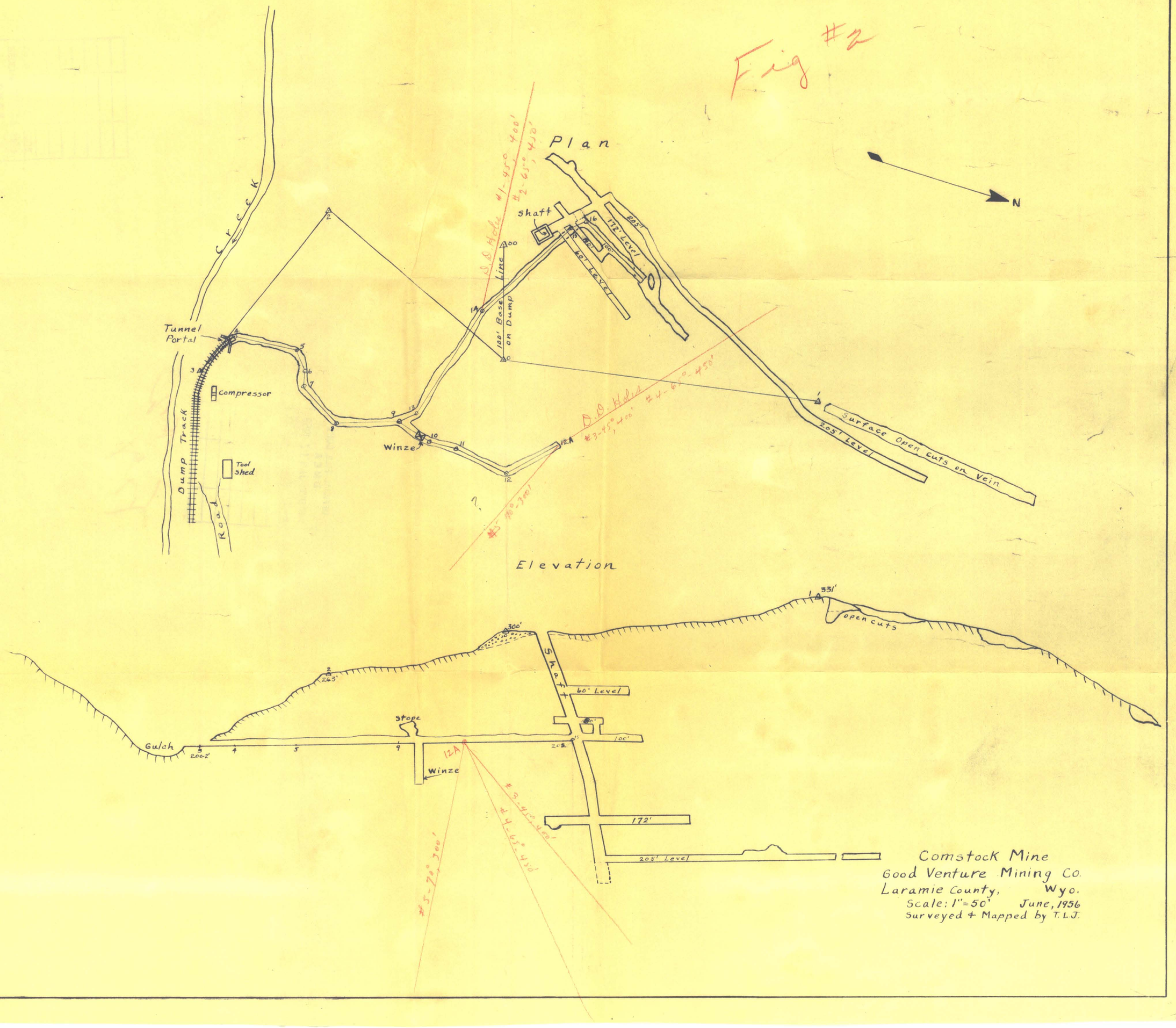
Cross-Sections

Vertical Projection of Proposed Core Drilling



Comstock Mine
Laramie County, Wyo.
Layout of Proposed Core Drilling
Scale: 1" = 200 ft. Jan. 1958
T.L.J.

Fig #2



Comstock Mine
Good Venture Mining Co.
Laramie County, Wyo.
Scale: 1"=50' June, 1956
Surveyed + Mapped by T.L.J.