DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
GEOLOGICAL SURVEY

OFFICIAL DOCKET FILE

Idm-E NO. _____

OME ~~DMEA~~ NO. 6552

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- [ ] Withdrawn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
- [x] 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
- [ ] 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

6475 [illegible]

29 May, 1966

OFFICIAL COPY
O. M. E.
RECEIVED
JUN 1 1966
INITIALS | CODE
120 [illegible]
110
120

TO:
FRANK E. JOHNSON
CHEIF, OFFICE OF
MINERALS EXPLORATION

FROM:
BERNE, INC. OME-6552
65 SOUTH GLENCOE
DENVER, COLO.

DEAR SIRS: Re. your letter dated 25 May 1966.

1. Elgible minerals; Our exhibit folio 6234, July 21, 1954 ~~DR. F. C. METZ—C. J. crudes AU 1.96 AU 17.64. AS&R smelter return Encl. Cons.~~ July , 17, 1952 AU 0.62 AG 17.275 total value to-day $146.80. Colo. Mining Directory Encl. tear sheet AU 0.55 average. Whether the GOOD LORD concentrated it, or man, there must be thousans of tons in the Brighton alone as I can see nothing but mill dirt any where in its present confines.

2. Exploration targets; to go as deep and as far in an organized manner, to try to delineate, the extent of these deposits.

3. Feasibility, we believe that with your help, that with luck, this will become a large producing project.

4. Property rights; Again we stand corrected Encl. Second Revision: delete 1500' of drift on the C. J. 700' level and add back in 740' of drift at the 200' level. Delete 900' drift on the Brighton #2 at the 700' level leaving 600' of drift on the shaft center line at the 700' level and 300' of drift bearing South & West at the 400 ' level.

NEW DRIFT: 9008ft. at $55.00 High ='s $49,500, less our cost $12,375 equals Govt. cost $37,125.

740 ft. at $55.00 ='s $40,700, less our cost $10,175. Govt. cost $30,525.

NEW TOTALS FROM PREVIOUS CORRESPONDENCE:

300 ft shaft to the 700 ft level	$37,800.
585 ft drift on the 200 ft level	$24,153.
900 ft drift on the Brighton #2	$37,125.
740 ft drift on the 200 ft level	$30,525.
260 ft rehab. drift third level	$ 5,363.
380 ft rehab. shaft	$23,940.
	$158,906. NET TO GOVT.
	$ 91,803. DRIFT TOTAL
	$ 29,303. REHAB. TOTAL
	$ 37,800. SHAFT TOTAL

Respectfully,
Charles Weinberg
BERNE, INC. by Chas. Weinberg pres.

Lucerne Mining Company (The).—Incorporated under the laws of New York; capital stock $5,000,000, in 50,000 shares of $10 each, non-assessable; owns the Lucerne, 1000x50 feet, Lucerne Annex, 1500x150 feet, Second Lucerne, 1000x150 feet; situated in Robinson Gulch, Idaho Mining district, two miles from Idaho Springs; located from 1860 to 1863, and patented from 1872 to 1881; veins all fissures, with crevices averaging twelve inches in width of iron and copper pyrites carrying gold, and galena carrying silver, which mill-runs, when sorted from the gangue-matter, from two to six ounces gold per cord; Lucerne developed by a drift 100 feet in length, Lucerne Annex by a drift fifty feet in length, and Second Lucerne by a shaft 150 feet in depth.

Lucky Hesperus.—3000x50 feet; situated on Democrat Mountain, about two miles from Georgetown, Griffith district; located 1867; vein a fissure five feet wide, pay streak from two to eight inches of galena and gray copper in a quartz gangue, milling, when sorted, from 50 to 200 ounces silver per ton; developments consist of one 500-foot shaft and about the same amount of levels.

Lycurgus.—James Hall and John Sullivan, both Georgetown, Colo., owners; claim 1500x150 feet; situated on Leavenworth Mountain, Griffith Mining district, two and one-half miles from Georgetown; located in 1880; vein a fissure, with a pay streak from four to five inches wide of argentiferous galena in a quartz gangue, which assays fifty ounces silver per ton; developed by two cross-cuts thirty and fifty feet in length, respectively, and the lodes will be opened up by the Hall Tunnel, which is now 250 feet in length.

McClelland.—3000x50 feet; situated on Leavenworth Mountain, about three miles from Georgetown, Griffith district; located in 1868; vein a fissure four feet wide, pay streak from ten to twenty-five inches of galena in a quartz gangue, milling, when sorted, from 50 to 150 ounces silver per ton; developments—one main shaft 350 feet deep, with some levels and stoping.

Mackey and Minnesota.—Michael Doyle, Dumont, Colo., L. Cohen, Georgetown, Colo., and Gardner B. Weeks, Syracuse, N. Y., owners; claims 1500x150 feet each; situated on Caledonia and Iowa Mountains, Morris and Iowa Mining districts; located in 1878, and Mackey patented in 1881; veins both fissures, with crevices about five feet in width, and pay streaks eighteen inches of iron and copper pyrites carrying gold, which assays $68 per ton, with a quartz gangue-matter; developed by a shaft 148 feet in depth.

Mammoth.—Situated on the Brown's Gulch slope of Brown Mountain, about four miles from Georgetown; vein a fissure, varying in width, and containing a body of heavy galena in a quartz gangue, which is now being exploited, but as yet is not in what might be considered good-pay ore.

Maple-leaf Group.—(See Gilpin County.)

Manhattan.—Owned by David M. DeWitt, Georgetown; claim 150x1250 feet; located in 1875; situated on Sherman Mountain, near Brownville, Griffith Mining district, three miles from Georgetown; vein a fissure three feet wide, pay vein twelve inches; developments—three shafts aggregating 100 feet in depth and one tunnel fifty feet in length.

Manhattan Gold and Silver Mining Company (The).—Owns the Thompson, Sterling, Ringgold, Thunderbolt, Beaver, Lennox, Kenton, Lamar, and Melverne lodes; situated at the junction of Cascade and Ute Creeks, Cascade district; for the development of which the Company is running a tunnel, the Manhattan now over 100 feet long, designed to cut

128 CU FT. 2 4 AVERAGE
5 CU YDS. 6 / 8 OZ. 7.5 = .55 OZ/TON
7½ TONS

462
25
437

4
5.5 / 437.
440
8.0

6½ tons

12
12
144

1
62
35
310
186
21.70

65
12
130
65
78.

5 yd.
7½ tons

17.3
1.3
519
173
22.49

7.5
.6
200 / 4
9

55

4
27 / 128
108
135

180
0

4
470
16
2820
470
75.20

23.5
2000
470.000

~~80.~~
~~65~~
40
~~480~~
~~560~~

134

1.7
2

2
34
35
170
102
11.90

56
64

28
32

7
8

22
134
6.5
670
804
87.10

2
7.5
5.5
40
30
30
40.70

134
6.5

2
1.55
4
300

22
134
66
670
804
87.10

7
65
134
260
195
0 5
87.10

FORM C-247
5M—7-51—15843

AMERICAN SMELTING AND REFINING CO.

ARKANSAS VALLEY PLANT

LEADVILLE, COLO. July 17, 1952

BOUGHT OF Basley & Schumaker Engineering Co. (Brighton)

LOT NO. SMELTER 3733 MINE 2

ADDRESS (962) CLASS Cts. SHIPPING POINT Jobko Spgs, Colo.

QUOTATIONS OF 6/30-7/5/52 SILVER .90 LEAD 16.00 COPPER 24.075

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	IRON PER CENT	MANGANESE PER CENT	LIME PER CENT	ZINC PER CENT	SULPHUR PER CENT
A. S. & R. CO.	0.61	17.1	23.5							
SHIPPER	0.63	17.45	23.7							
UMPIRE										
SETTLEMENT ASSAY	0.62	17.275	23.6	1.7	5.0	22.7	1.0		8.9	S

CAR INITIAL	NUMBER	WEIGHT	FROZEN WT.
AV	131	13760	

PAYMENTS PER TON			DEDUCTIONS PER TON	
GOLD 31.81925 @		19.72	BASE CHARGE	9.750
SILVER Less 10% @		14.65	INSOL. Dr.	.500
LEAD, LESS 1.5 90% 2.786 UNIT		55.21	ZINC	.270
COPPER, LESS @3.416 PER UNIT		2.39	SULPHUR	2.500
GROSS VALUE OF METALS		91.97	EXCESS VALUE	
			IRON CREDIT	.885
			LIME CREDIT	
			LEAD CR OVER	.360
LESS TOTAL DEDUCTIONS		11.77	TOTAL DEDUCTIONS	11.775

WEIGHT OF LOT 13760

WEIGHT OF SACKS

WET WEIGHT

LESS MOISTURE 5.3 %

DRY WEIGHT 13031 @ $ 80.20 PER TON $ 522.54

DATE LOT RECEIVED 6/30/52

FREIGHT ADVANCED @ 134.00 871.00

FEDERAL TRANSPORTATION TAX 461.

MOISTURE 410

SAMPLING 5.00 TON NET

FROZEN ORE

UMPIRE

SWITCHING & FEDERAL TRANS. TAX

HAULING & TRANSPORTATION TAX 5.00 Dave Ringery 35.75

ROYALTY

Hauling Crude Dave Ringery 19.86

Milling & Sampling Front Range Mines Inc., 462.00

THIS LOT CONTAINS 113 OZS. OF SILVER

CORRECT WR

CHECKED JC

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE.

NET PROCEEDS

21.70
22.50
75.20
13.50 9 Unit
11.90
144.80
2.00 S
146.80
12.80 Fut + Milling
134 / TON

80 Tons
5.50 Tons Milling
12 To 1 Ratio
1/3 S

17 May, 1966

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 20 1966
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TO:
FRANK E. JOHNSON
CHEIF, OFFICE OF
MINERALS EXPLORATION

FROM:
BERNE, INC. OME-6552
65 SOUTH GLENCOE
DENVER, COLO.

DEAR SIRS: Re. your letter dated 13 May 1966.

1. Encl. copies last three annual reports. There are about 33,000. mines in Gilpin, Clear Creek, and Teller Counties that are closed down, about a dozen are working, mining is probably considered a bad risk.

2. We stand corrected, please ammend our 1500' cross-cut request on the Lucerne Annex to read 1500' of drift on the BRIGHTON vein at the 700' level. Delete our mill money request, and add 202' and 383' of drift on the Lucerne Annex as per encl. drawing ='s 585 ft. X's $55.00 a ft. ='s $32, 175.00 less our contribution of $8022.00 ='s $24,153.

3. We will try to stay on E, see enclosed sketch.

5. Principal metals are Au-Ag, base metals will help defray costs. Target is to mine enough of same to re-pay the Govt. and the banks, not to mine stockholders and tourists. What we have said of the Brighton is conjecture, this hill is dotted with shafts and pot-holes all indicate high mineralization. Ruby silver is in evidence, and we have started a pilot electrolitic recovery of same. Core drilling is impractical at theses depths, besies how then could we repay your exploration money? As to high costs of work, we find taht everything we do in the hills takes a third longer than in non-remote areas.

DUMP RESUME IN THIS AREA

AU	AG	PB	ZN	CU	WHITE IRON	MICA SCHIST
.04	2.5	2	4	.35	heavy	trace
.07	2.5	6	5	.2	heavy	trace
.02	1.4	2	3	.15	heavy	trace
.04	1.	1	5	.15	heavy	trace
.1	6.5	9	7	.8	heavy	trace
.07	2.6	6	5	.2	heavy	trace
.06	3.	4	5	.3	AVERAGE	$28.25 at mkt.

Respectfully,
Charles Weinberg
BERNE, INC. by CHARLES WEINBERG pres.

P.S. I have a broken hand, please forgive sloppy presentation.

ROOT & SIMPSON, Inc.

TEL. 244-3223 METALLURGICAL CHEMISTS AND ASSAYERS P. O. BOX 2069

DENVER COLORADO 80201

SPECIMEN ASSAY

ASSAYED FOR	MARKS
Berne Inc.	Brighton Mine

GOLD OZS. PER TON	SILVER OZS. PER TON	WET LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	V_2O_5 PER CENT	U_3O_8 PER CENT	PER CENT	PER CENT
0.06	0.7							

DATE 6/17/66 CHARGES $ 5.00

Root & Simpson, Inc.

orm AR-1d

NOT TEAR ALONG THIS FOLD

FILE EARLY—AVOID PENALTY—ACCEPTABLE FOR FILING JANUARY 2ND

STATE OF COLORADO

1965 ANNUAL REPORT — COLORADO CORPORATION

DUPLICATE

THIS IS YOUR COPY

NDICATE CORRECT MAILING ADDRESS HERE →

Annual Report Filing Fee	$	5.00
Penalty	$	
License Tax	$	10.00
Total Amount Due	$	15.00

HIS REPORT WILL BE RETURNED FOR INCOMPLETE OR INCORRECT PARAGRAPHS.
Please read carefully Instructions on Pages 1 - 3 - 4.

NNUAL REPORT, PROPERLY EXECUTED, MUST BE FILED WITH THE SECRETARY OF STATE BETWEEN JANUARY 1ST AND MAY 1ST.
he ORIGINAL copy (white) together with your remittance must be returned for permanent filing.
he DUPLICATE copy (pink) is YOUR copy.
he Annual Report filing fee is $5.00. For amount of your LICENSE TAX, which is payable AT THE TIME the Annual Report is filed, see the TAX SCHEDULE on Page Three.
URRENT Annual Report is not acceptable until DELINQUENT Annual Report plus penalty is filed.
A PENALTY OF $10.00 must be paid on a DELINQUENT Annual Report. DELINQUENT May 2nd.
LEASE read INSTRUCTIONS on Page Three for guidance in preparing this form.

Pursuant to the provisions of the Colorado Corporation Act, the undersigned corporation hereby submits the following Annual Report:

FIRST: The name of the corporation is BERNA, INC.

SECOND: It is incorporated under the laws of COLORADO

THIRD: The ADDRESS of the registered office in Colorado is 65 South Glencoe Denver 22, Colorado

FOURTH: The NAME of the registered agent in COLORADO at such address is Charles Weinberg

FIFTH: Address of place of business 65 South Glencoe, Denver 22, Colorado

SIXTH: The character of the business in which it is actually engaged in the State of Colorado, briefly stated is was Retail Jewelry-Inactive since Jan. 6th, 1958

SEVENTH: The names and respective addresses of its CURRENT directors and officers are:

OFFICERS

	NAME	STREET ADDRESS — CITY — STATE
resident	Charles W. Weinberg	65 So. Glencoe St. Denver 22, Colo.
ice-President	Augusta Weinberg	101 So. Bellaire St. Denver 22, Colorado
ecretary	Ellie Weinberg	65 So. Glencoe Denver 22, Colo.
reasurer	Ellie Weinberg	65 So. Glencoe Denver 22, Colorado

DIRECTORS

NAME (Law requires minimum of 3)	STREET ADDRESS — CITY — STATE
Ellie Weinberg	65 So. Glencoe Denver 22, Colorado
Charles W. Weinberg	65 So. Glencoe Denver 22, Colorado
Augusta Weinberg	101 So. Bellaire Denver 22, Colo.

OME 653

6. "Stated capital" means, at any particular time, the sum of (1) the par value of all shares of the corporation having a par value that have been issued, (2) the amount of the consideration received by the corporation for all shares of the corporation without par value that have been issued, except such part of the consideration therefor as may have been allocated to capital surplus in a manner permitted by law and (3) such amounts not included in clauses (1) and (2) of this paragraph as have been transferred to stated capital of the corporation in a manner permitted by law.

7. The Law makes NO PROVISION for an EXTENSION OF TIME for Filing Annual Report.

8. Annual Report and Tax become DELINQUENT May 2nd. A PENALTY of $10.00 will be assessed after May 1st. (CRS 1953—31-36-11)

9. The Annual Report must be executed by ONE of the following; president, vice-president, secretary treasurer or assistant secretary.

10. Annual Report MUST be in the office of the Secretary of State ON May 1st OR be Post-Marked PRIOR to May 1st. (CRS 1953—31-36-2)

11. REPRODUCED COPY of this Annual Report is NOT ACCEPTABLE.

12. No Receipt will be furnished. Your cancelled check is evidence of your payment.

13. Make your check or Money Order payable to Secretary of State—address: 127 State Capitol, Denver, Colorado 80203.

Exm'd for Filing

ANNUAL REPORT

TWELFTH: The Annual Report filing fee of $5.00 together with the franchise tax of $..... is paid herewith. (See Instructions 4 & 5—Page 3).

THIRTEENTH: This report is made under the penalties prescribed in (CRS 1953—31-36-12).

Dated....., 19....

.....
(Exact Corporate Name)

.....
(Signature of Executive Officer) (Title)

INSTRUCTIONS

(Colorado Revised Statutes 1953—Chapter 31 as Amended)

1. This report must be filed between January 1 and May 1 of each year by every corporation incorporated to do business in Colorado. The Secretary of State is required by law to RETURN every report which does not conform to the Colorado Statutes—i.e. if the Report contains an INCOMPLETE or INCORRECT PARAGRAPH.

2. Every corporation incorporated to do business in Colorado is required to designate a registered office in Colorado and a registered agent at such office.

3. All information shall be CURRENT—EXCEPT Paragraphs 8, 9, 10 and 11 which shall be as of December 31, 1964. The Financial Statement required in Paragraph 11 must reflect a period ending in 1964.

4. This report must be accompanied by payment of a filing fee of $5.00 payable to the Secretary of State of Colorado.

5. The franchise tax computed at the following rates, must be paid AT THE TIME the Annual Report is filed. COMPUTE TAX ON AUTHORIZED Capital Stock as of December 31, 1964.

TAX SCHEDULE

IF THE AUTHORIZED CAPITAL STOCK IS:	THE TAX IS:
$50,000 or Less	$ 10.00
Over $50,000 including $150,000	20.00
Over $150,000 including $250,000	40.00
Over $250,000 including $500,000	65.00
Over $500,000 including $1,000,000	100.00
Over $1,000,000	250.00

For the purpose of computing this tax, stock WITHOUT PAR VALUE shall be valued at $1.00 per share.

EIGHTH: The aggregate number of shares AUTHORIZED, itemized by classes, par value of shares, shares without par value and series, if any, within a class is: (State as of December 31, 1964).

NUMBER of shares AUTHORIZED	Class	Series	Par Value per Share or statement that Shares are without Par Value
100			NPV

NINTH: The aggregate number of ISSUED shares, itemized by classes, par value of shares, shares without par value and series, if any, within a class is: (State as of December 31, 1964).

NUMBER of shares ISSUED	Class	Series	Par Value per Share or statement that Shares are without Par Value
100			NPV

TENTH: The amount of stated capital on December 31, 1964 was (Instruction #6—Page 4) $7000.00

ELEVENTH: A statement showing with reasonable detail the assets and liabilities as of December 31, 1964, or the fiscal year ending in 1964, is as follows: (See Instruction #3—Page 3). A balance sheet is preferred and may be attached if this space is not sufficient. General statements declaring the corporation is "solvent"—"assets exceed liabilities"—etc., do not comply with the statute and will not be accepted.

ASSETS		LIABILITIES	
Cash on Hand	20.97	owed for Mdse	16.00
Fixtures	275.00	owed for Rent & Util.	300.00
Accounts Receivable	1423.24	owed for taxes	230.00
		owed Nat Weinberg	5993.43
Inventory @ Mkt.	1931.33		6539.43
	3650.54	Capitol Stock.	7000.00
			13539.43
		Deficit	$9888.89

6539.43
450
6989.4
7000
13989.4
3650.13
10338.18

Form AR-12

DO NOT TEAR ALONG THE FOLD

FILE EARLY—AVOID PENALTY—ACCEPTABLE FOR FILING JANUARY 2ND

STATE OF COLORADO

1964 ANNUAL REPORT—COLORADO CORPORATION

DUPLICATE

THIS IS YOUR COPY

INDICATE CORRECT MAILING ADDRESS HERE →

Annual Report Filing Fee	$ 5.00
Penalty	$
License Tax	$ 10.00
Total Amount Due	$ 15.00

THIS REPORT WILL BE RETURNED FOR INCOMPLETE OR INCORRECT PARAGRAPHS.
Please read carefully Instructions on Pages 1 - 3 - 4

ANNUAL REPORT, PROPERLY EXECUTED, MUST BE FILED WITH THE SECRETARY OF STATE BETWEEN JANUARY 1ST AND MAY 1ST.
The ORIGINAL copy (white) together with your remittance must be returned for permanent filing.
The DUPLICATE copy (pink) is YOUR copy.
The Annual Report filing fee is $5.00. For amount of your LICENSE TAX, which is payable AT THE TIME the Annual Report is filed, see the TAX SCHEDULE on Page Three.
CURRENT Annual Report is not acceptable until DELINQUENT Annual Report plus penalty is filed.
A PENALTY OF $10.00 must be paid on a DELINQUENT Annual Report. DELINQUENT May 2nd.
PLEASE read INSTRUCTIONS on Page Three for guidance in preparing this form.

Pursuant to the provisions of the Colorado Corporation Act, the undersigned corporation hereby submits the following Annual Report:

FIRST: The name of the corporation is CHERAY, INC.

SECOND: It is incorporated under the laws of Colorado.

THIRD: The ADDRESS of the registered office in Colorado is 65 South Glencoe St. Denver, Colorado. 80222

FOURTH: The NAME of the registered agent in COLORADO at such address is Charles Weinberg

FIFTH: Address of place of business 65 South Glencoe Street, Denver, Colo. 80222

SIXTH: The character of the business in which it is actually engaged in the State of Colorado, briefly stated is// was Retail Jewelry - Inactive since Jan. 6th, 1958

SEVENTH: The names and respective addresses of its CURRENT directors and officers are:

OFFICERS

	NAME	STREET ADDRESS — CITY — STATE
President	Charles W. Weinberg.	65 So Glencoe St, Denver, Colo.
Vice-President	Augusta Weinberg.	101 So. Bellaire St. Denver, Colo.
Secretary	Ellie Weinberg.	65 So Glencoe St. Denver, Colo.
Treasurer	Ellie Weinberg.	65 So Glencoe St. Denver, Colo.

DIRECTORS

NAME (Law requires minimum of 3)	STREET ADDRESS — CITY — STATE
Ellie Weinberg.	65 So Glencoe St, Denver, Colo.
Charles W. Weinberg.	65 So Glencoe St. Denver, Colo.
Augusta Weinberg.	101 So Bellaire St. Denver, Colo.

XERO COPY XERO COPY XERO COPY

OME 6552

EIGHTH: The aggregate number of shares AUTHORIZED, itemized by classes, par value of shares, shares without par value and series, if any, within a class is: (State as of December 31, 1963).

NUMBER of shares AUTHORIZED	Class	Series	Par Value per Share or statement that Shares are without Par Value

NINTH: The aggregate number of ISSUED shares, itemized by classes, par value of shares, shares without par value and series, if any, within a class is: (State as of December 31, 1963).

NUMBER of shares ISSUED	Class	Series	Par Value per Share or statement that Shares are without Par Value

TENTH: The amount of stated capital on December 31, 1963 was (Instruction #6—Page 4) $ 7,000.00

ELEVENTH: A statement showing with reasonable detail the assets and liabilities as of , 19 is as follows: (See Instruction #3—Page 3). A balance sheet is preferred and may be attached if this space is not sufficient. General statements declaring the corporation is "solvent"—"assets exceed liabilities"—etc., do not comply with the statute and will not be accepted.

ASSETS		LIABILITIES	
Cash on hand.	22.97	Owed for Xdse.	16.00
Fixtures.	275.00	Owed for rent and Utilities	300.00
Accounts Receivable.	1,435.24	Owed for taxes.	250.00
Inventory at Market.	10,811.22	Owed to Nat Weinberg.	5,993.43
	2,650.24		6,559.43
		Capital Stock.	7,000.00
			13,559.43
		Deficit	4,908.89

XERO COPY XERO COPY XERO COPY

FOR RECORD ONLY.

BERNE, INC. acquired title to the VICTOR HOTEL, at Victor, Teller County, Colorado at a

Purchase price of $ 10,000.00

and paid on same 1,750.00 which was borrowed.

The hotel has not been opened for operation at this date.

BERNE, INC.

Dated April 15th, 1964.

By _____

President.

INSTRUCTIONS

(Colorado Revised Statutes 1953—Chapter 31 as Amended)

1. This report must be filed between January 1 and May 1 of each year by every corporation incorporated to do business in Colorado. The Secretary of State is required by law to RETURN every report which does not conform to the Colorado Statutes—i.e. if the Report contains an INCOMPLETE or INCORRECT PARAGRAPH.

2. Every corporation incorporated to do business in Colorado is required to designate a registered office in Colorado and a registered agent at such office.

3. All information shall be CURRENT—EXCEPT Paragraphs 8, 9, 10 and 11 which shall be as of December 31, 1963. If the corporation uses a fiscal year for accounting purposes, the last fiscal year next preceding the date prescribed for filing this Report may be used in Paragraph 11.

4. This report must be accompanied by payment of a filing fee of $5.00 payable to the Secretary of State of Colorado.

5. The franchise tax computed at the following rates, must be paid AT THE TIME the Annual Report is filed. COMPUTE TAX ON AUTHORIZED Capital Stock as of December 31, 1963.

TAX SCHEDULE

IF THE AUTHORIZED CAPITAL STOCK IS:	THE TAX IS:
$50,000 or Less	$ 10.00
Over $50,000 including $150,000	20.00
Over $150,000 including $250,000	40.00
Over $250,000 including $500,000	65.00
Over 500,000 including $1,000,000	100.00
Over $1,000,000	250.00

For the purpose of computing this tax, stock WITHOUT PAR VALUE shall be valued at $1.00 per share.

SS: Form AR-1(

DO NOT TEAR ALONG THIS FOLD

FILE EARLY—AVOID PENALTY—ACCEPTABLE FOR FILING JANUARY 2ND

STATE OF COLORADO

1966 ANNUAL REPORT — COLORADO CORPORATION

DUPLICATE

Annual Report Filing Fee	$	5.00
Penalty	$	
License Tax	$	10.00
Total Amount Due	$	15.00

THIS IS YOUR COPY

INDICATE CORRECT MAILING ADDRESS HERE →

THIS REPORT WILL BE RETURNED FOR INCOMPLETE OR INCORRECT PARAGRAPHS.

Please read carefully Instructions on Pages 1 - 3 - 4.

ANNUAL REPORT, PROPERLY EXECUTED, MUST BE FILED WITH THE SECRETARY OF STATE BETWEEN JANUARY 1ST AND MAY 1ST.

The ORIGINAL copy (white) together with your remittance must be returned for permanent filing.

The DUPLICATE copy (pink) is YOUR copy.

The Annual Report filing fee is $5.00. For amount of your LICENSE TAX, which is payable AT THE TIME the Annual Report is filed, see the TAX SCHEDULE on Page Three.

CURRENT Annual Report is not acceptable until DELINQUENT ANNUAL Report plus penalty is filed.

A PENALTY OF $10.00 must be paid on a DELINQUENT Annual Report. DELINQUENT May 2nd.

PLEASE read INSTRUCTIONS on Page Three for guidance in preparing this form.

Pursuant to the provisions of the Colorado Corporation Act, the undersigned corporation hereby submits the following Annual Report:

FIRST: The name of the corporation is BERNE, INC.

SECOND: It is incorporated under the laws of Colorado

THIRD: The ADDRESS of the registered office in Colorado is 65 South Glenoce St., Denvere Colorado

FOURTH: The NAME of the registered agent in COLORADO at such address is

FIFTH: Address of place of business 65 South Glenoce Street Denver, COLO.

SIXTH: The character of the business in which it is actually engaged, in the State of Colorado, briefly stated is Mining for Silver, GOLD, and other metals, and the manufacture of Jewelry & Sterling Silver Flatware therefrom.

SEVENTH: The names and respective addresses of its CURRENT directors and officers are:

OFFICERS

	NAME	STREET ADDRESS — CITY — STATE
President	Chares W. Weinberg	65 So. Glenoce St. Denver, Colo.
Vice-President	Augusta Weinberg	101 So. Bellaire St. Denver, Colo.
Secretary	Ellie Weinberg	65 So. Glenoce ST. Denver, Colo.
Treasurer	Ellie Weinberg	65 So. Glenoce St. Denver, Colo.

DIRECTORS

NAME (Law requires minimum of 3)	STREET ADDRESS — CITY — STATE
Ellie Weinberg	65 So. Glenoce St. Denver, Colo.
Charles W. Weinberg	65 So. Glenoce ST. Denver, Colo.
Augusta Weinberg	101 So. Bellaire St. Denver, Colo.

OME 6532

EIGHTH: The aggregate number of shares AUTHORIZED, itemized by classes, par value of shares, share without par value and series, if any, within a class is: **(State as of December 31, 1965).**

NUMBER of shares AUTHORIZED	Class	Series	Par Value Per Share or statement that Shares are without Par Value
100			NPV

NINTH: The aggregate number of ISSUED shares, itemized by classes, par value of shares, shares without pa value and series, if any, within a class is: **(State as of December 31, 1965).**

NUMBER of shares ISSUED	Class	Series	Par Value Per Share or statement that Shares are without Par Value
100			NPV

TENTH: The amount of stated capital on **December 31, 1965** was (Instruction #6—Page 4) .....

$7000.00

ELEVENTH: A statement showing with reasonable detail the assets and liabilities as of **December 31, 1965,** o the fiscal year ending **31 December** 1965, is as follows: (See Instruction #3 — Page 3). A balance shee is preferred and may be attached if this space is not sufficient. General statements declaring the corporation is "solvent —"assets exceed liabilities"—etc., do not comply with the statute and will not be accepted.

ASSETS		LIABILITIES	
Cash on hand	20.97	Owed for MDSE.	16.00
Fixtures	275.00	Owed for RENT & UTIL.	300.00
Accounts Receivable	1423.24	Owed for TAXES	230.00
Inventory @ Mkt.	1931.33	Owed NAT WEINBERG	5993.43
		Owed CALVIN PALMER	450.00
	3650.54		6989.43
		Capital Stock	7000.00
			13,989.43

Deficit $10,338.89

THIS CORP. ACQUIRED A TEMPORARY LEASE ON THE 4th OF JULY MINE IN CLEAR CREEK COUNTY AND RECORDED SAME THERE.

TWELFTH: The Annual Report filing fee of $5.00 together with the franchise tax of $ 22 $10,000.00 paid herewith. (See Instructions 4 & 5—Page 3).

THIRTEENTH: This report is made under the penalties prescribed in (CRS 1963-31-10-12). 15.00

Dated 29 APRIL, 19 66

BERNA, INC (Exact Corporate Name)

(Signature of Executive Officer) CHARLES W. EINBERG pres. (Title)

INSTRUCTIONS

(Colorado Revised Statutes 1963 — Chapter 31 as Amended)

1. This report must be filed between January 1 and May 1 of each year by every corporation incorporated to o business in Colorado. The Secretary of State is required by law to RETURN every report which does not conform the Colorado Statutes — i.e. if the Report contains an INCOMPLETE or INCORRECT PARAGRAPH.

2. Every corporation incorporated to do business in Colorado is required to designate a registered office in olorado and a registered agent at such office.

3. All information shall be CURRENT — EXCEPT Paragraphs 8, 9, 10 and 11 which shall be as of ecember 31, 1965. The Financial Statement required in Paragraph 11 must reflect a period ending in 1965.

4. This report must be accompanied by payment of a filing fee of $5.00 payable to the Secretary of tate of Colorado.

5. The franchise tax computed at the following rates, must be paid AT THE TIME the Annual Report is led. COMPUTE TAX ON AUTHORIZED Capital Stock as of December 31, 1965.

TAX SCHEDULE

IF THE AUTHORIZED CAPITAL STOCK IS:	THE TAX IS:
$50,000 or Less	$ 10.00
Over $50,000 including $150,000	20.00
Over $150,000 including $250,000	40.00
Over $250,000 including $500,000	65.00
Over $500,000 including $1,000,000	100.00
Over $1,000,000	250.00

or the purpose of computing this tax, stock WITHOUT PAR VALUE shall be valued at $1.00 per share.

9 May, 1966

OFFICIAL
COPY
O. M. E.
RECEIVED
MAY 11 1966
INITIALS | CODE
120 MC
110
120

TO:
FRANK E. JOHNSON
CHEIF, OFFICE OF
MINERALS EXPLORATION

FROM:
BERNE, INC. OME-6552
65 SOUTH GLENCOE
DENVER, COLO.

DEAR SIRS:

1. (c)
Enlc. commitment letter from METROPOLITAN STATE BANK for secondary money, Our comptations would be $10,000.00 per mo. volume for 36 mos. or a totall of $350,000.00 of which we would have to furnish $2,500.00 per month for CASH FLOW, or a tabulated GOVT. commitment of $250,000.00.

We understand your directives to ammortize over a five year period, we do not beleive that equipment will last over three years. Enclosed permission letter to exchange C.E. equipment for Mining equipment. In addition to scheduled items we own a compressor, two skips, cars, and a large hoist.

2 (a)
Encl. Exhibit D. which shows clear ownership of subject land, and all tax receipts have conformed for twenty years. A search through mine inspector reports for two-decades reveales the same. C.A. STANTON can not explain why the lease reads as it does.

3. (a)
Encl. profile drawing.

4. (a)
All old workings are accessable to inspection.

5. (a)
We suggest a stepped contract. We have built three projects the scope of title VIII CAPHART which ran ten times this size.

Respectfully,
Chas. Weinberg
BERNE, INC. by CHAS. WEINBERG pres.

TAX RECEIPT - 1964

TREASURER'S OFFICE, CLEAR CREEK COUNTY, COLORADO

Roll Co Page

Received of: C. A. Stanton / check

GEORGETOWN, May 3 19

2909

$ 30 94

First Half
Second Half
Full

Payment of the taxes on the following property for the year **1964**

GILL MINING CO. 5
% C.A. STANTON
2081 IVY, DENVER 7, COLO.

BRIGHTON #2	6028	IDA	3.118A
W 750' MARTHA	1348	"	3.81A
C.J.	17138	"	2.85A
LUCERNE ANNEX	1257	"	2.71A
IMPTS.			

Assessed Valuation	Full Amount of Tax	FUNDS	TAX Dollars	TAX Cents
		Total State and County	14	34
		Georgetown & Gtn. Lib.		
		Sch. D. No. 3 Bd. & Int.		
410	30 94	Idaho Springs		
		Sch. D. No. 5 Bd. & Int.	2	05
		Sch. D. R.E.-1	13	32
		Sch. D. R.E.-1 Cap. Res. Fund		82
		Silver Plume		
		Empire		
		Evergreen Fire Prot. Dist.		
		Special Mining Fund		41
		STOCK LEVY		
		Predatory Animal, Sheep & Goats		
		Upper So. Platte Water Const. Dist.		
		Advertising and Costs		
		TOTAL TAX	30	94
		INTEREST		
		TOTAL	30	94

57 due

Exhibit D

'57 by production

Pd by C A Stanton per ck.

The description of your Real Estate, as shown hereon, has been certified by the County Assessor. Please compare this receipt with your deeds to see that the description is correct.

Payment by Check Subject to Collection

Benjamin F. Tucker
Treasurer of Clear Creek County

By _____ Deputy

Fees: _____

C. F. HOECKEL CO. DENVER, COLO.

CLEAR CREEK COUNTY

1964 LEVIES

COUNTY

	Mills
County General Fund	10.00
Contingent Fund	2.00
Road and Bridge Fund	8.00
Public Welfare Fund	4.00
County Public School Fund	9.67
Total County	33.67
STATE	1.30
Total State & County	34.97
Georgetown	20.00
School District No. 3 Bond and Interest	4.50
Idaho Springs	21.00
School District No. 5 Bond and Interest	5.00
Silver Plume	18.40
Empire	1.30
School District No. RE-1	32.50
School District No. RE-1 Capital Reserve Fund	2.00
Evergreen Fire Protection District	3.90
Special Mining Fund	1.00
Predatory Animal, Sheep & Goats	20.00
Upper So. Platte Water Cons. Dist.	.50

Mary E. Clark
Secretary
233-3611
ext 8598

Williams Harbor
U.S. Bureau of Mines
Denver Federal Center
Bldg 25 Rm 2284
Denver, Colo. 80225
Field Officer
Region III
Office of Minerals
Exploration

METROPOLITAN STATE BANK

KENNETH M. AGNEW
VICE PRESIDENT & CASHIER

MEMBER OF FEDERAL DEPOSIT INSURANCE CORPORATION

COMMERCE CITY, COLORADO
May 9, 1966

Berne, Inc.
65 South Glencoe Street
Denver 22, Colorado

Gentlemen:

In reply to the letter dated May 3, 1966 which you received from the United States Department of The Interior, should you obtain a contract for the financing of your mining, this is to notify you that secondary financing will be available until the Government reimbursement funds commence.

Yours very truly,

Kenneth M. Agnew

Kenneth M. Agnew
Vice President and Cashier

KMA:bmc

METROPOLITAN STATE BANK

KENNETH M. AGNEW
VICE PRESIDENT & CASHIER

MEMBER OF FEDERAL DEPOSIT INSURANCE CORPORATION

COMMERCE CITY, COLORADO

May 9, 1966

Mr. Charles Weinberg
65 South Glencoe Street
Denver 22, Colorado

Dear Mr. Weinberg:

As per our conversation of today, please be advised that it will be agreeable with the Metropolitan State Bank, Commerce City, Colorado, that you trade the following items described on our chattel mortgage for mining equipment:

1 Used Buffalo Springfield 5-8 Ton Tandem Roller HWN #3561

1 Adnum Asphalt Lay Day #1630, with Hercules Motor #764486

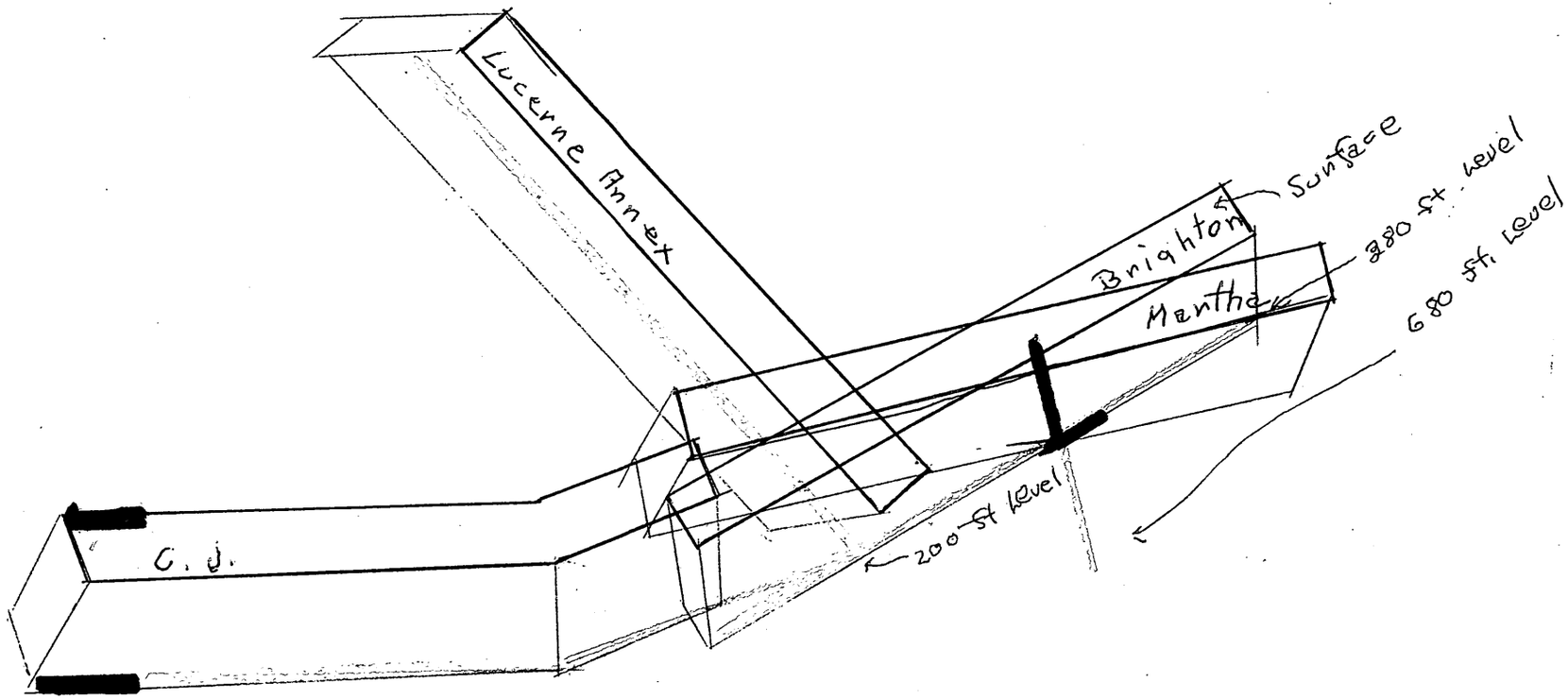
1 Gallion 101 Road Maintainer, Serial #621425H.

Yours very truly,

Kenneth M. Agnew

Kenneth M. Agnew
Vice President and Cashier

KMA:bmc



Existing
Proposed

Berne Inc Leases

8 May 66 CWR

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
U. S. Geological Survey -- Denver Federal Center
Building 25 - Room 2284
Denver, Colorado 80225

OFFICIAL COPY
O. M. E.
RECEIVED
APR 27 1966
INITIAL | COPY

April 25, 1966

Memorandum

To: Chief, OME

From: Field Officer, Region III

Subject: Application for financial assistance by Berne, Inc.

Transmitted herewith is an application for financial assistance in minerals exploration by Berne, Inc. 65 South Glencoe Street, Denver 22, Colorado to explore for silver on the Brighton No. 2, C. J., Martha, and Lucerne Annex in Clear Creek County, Colorado

The applicant is a contractor and owns the Victor Hotel, Victor, Colorado, a small mining town near Cripple Creek, Colorado, which he states he can sell to raise part of the funds required for the loan, and also, that his equipment can be used on a depreciation basis as a portion of the 25 percent required for silver participation.

The applicant's property is adjacent to the 4th of July property which is presently under lease to Mineral Enterprises, Inc., OME docket 6475, which was examined March 25, 1965. A considerable proportion of the proposed exploration consists of rehabilitation of 380 feet of the Brighton shaft and 300 feet of the C. J. tunnel at the 380 foot level, as well as to rehabilitate 260 feet of the 3rd level of the Brighton tunnel. The veins on the property can be examined at any time according to the applicant, and he firmly maintains the rehabilitation work is an integral part of the exploration program rather than rehabilitation that might be done prior to a field examination.

I explained to the applicant that the maximum government participation is $250,000.00 and that I thought his proposal for great lengths of drifting were excessive and would be questioned by Washington, and that a request for a more reasonable and moderate program would be made. When it was mentioned that Washington would require a more firm accounting of the applicant's funds available for such a sizeable project the applicant referred to his voluminous experience on the 600 domestic dwellings he has constructed during a twelve year period, but also mentioned the possibility that it might be difficult to sell the Victor Hotel at Victor, Colorado.

The Seaton vein has been mined for its high silver values and ranges from 0 to 5' wide and averages 2 to 3 feet wide. Assays from shipments made at various times are shown as follows:

Sample	Au oz.	Ag oz.	Cu %	Pb %	Zn %
Car (700 possibly mine car)	4.0	60.00			
202 tons (1902-1910)	1.13	39.66	2.26	26.4	24.0
Operator estimated	1.60	55.00		23.0	18.0
25 tons (pine shade dump)	5.36	20.90		66.5	
Zinc concentrates	0.55	20.00		7.50	27.0
45 tons from Orgo tunnel	0.50	25.00		20.00	15.0

Settlement sheets from the Brighton Mine in 1951 and 1952 showed the following assays:

	Au	Ag	Pb	Cu
16.190 tons	0.21	13.7	17.5	0.9
6.88 tons	0.62	17.2	23.6	1.7

Assays from crude ore on the 4th of July and C. J. Tunnels in 1965, and 1954 respectively are:

	Au oz.	Ag. oz.	Cu%	Pb%	Zn%
4th of July	0.35	22.65	1.6	16.0	17.6
4th of July	0.29	21.26	1.8	18.6	16.5
4th of July	0.26	15.54	1.8	17.0	15.0
C. J.	1.96	17.64		46.87	

Perhaps a more moderate exploration program might be considered rather than an attempt to drift the entire length of the veins as proposed by the applicant.

J. William Hasler

cc: Hasler chron
OME chron
Berne, Inc.

MME Form 40
Jan. 65

Budget Bureau No. 42-R1508
Approval expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY M. E. RECEIVED APR 27 1966 INITIAL CODE

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

BERNE, INC.
65 SOUTH GLENCOE ST.
DENVER 22, COLORADO

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6552

DATE RECEIVED 4-27-66

REGION III

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL
CORPORATION X
PARTNERSHIP
OTHER *(Specify)*

STATE IN WHICH FIRM IS ORGANIZED Colorado

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Charles W. Weinberg	65 S. Glencoe Denver, Colo.	Pres.
Ellie R. Weinberg	65 S. Glencoe Denver, Colo.	Secy-Treas.
Augusta Weinberg	101 S. Bellaire Denver, Colo.	Vice-Pres.

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
Silver ~~[illegible]~~ - gd

ESTIMATED COST OF PROJECT
$ 350,00000

PROPERTY NAME	SURVEY #	LOCATION COUNTY	STATE
BRIGHTON#2	6028	CLEAR CREEK,	COLO.
C.J.	17138	CLEAR CREEK,	COLO.
MARTHA	1348	CLEAR CREEK,	COLO.
LUCERNE ANNEX	1257	Clear Creek,	Colo.

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior,* ~~Washington, D. C., or with the nearest OME Field Office.~~ Washington, D. C., 20242, or with the nearest OME Field Office.

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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

Berne Inc

12 Mar 66
DATED

Charles W. Weinberg
BY *(Signature)*

pres
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

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

I. Financial Eligibility 528916

a. Enclosed Letters of Refusal From Metropolitan State Bank Derby Colo & Central Bank & Trust of Denver, Colo Both dated 7 Jan 66. (Exibits A. + B.)

b. Berne, Inc. was organized in State of Colo. 19 Jan. 1953. (100) Shares of Stock No par Value its officers + directors Are:
Charles W Weinberg pres
65 So Glencoe Denver Colo
Ellie R Weinberg secy-Treas.
65 So Glencoe Denver, Colo.
Augusta Weinberg Vice-pres
101 So Bellaire Denver Colo.

c. Berne, Inc. owns Victor Hotel Victor, Colo. + can Sell or Hypothocate Same.

Charles Weinberg owns 9 Major Pieces of Constr. Machinery + 5 Trucks Which Can be used on this project.

Berne Inc. has a lease on 4 contiguous mining properties with Gill Mining Co for 20 yrs. (Ex. C.) These properties are Contiguous to 4th July Property Now Being Opperated under lease to Mineral Enterprises Inc. All are in a producing Area Virginia Canyon. Colo.

2. Applicants Rights in Land 526917

(a) Stated is Lease of Record of Clear Creek County Records Reception #20614 Recorded 6 Jan 1966 in Book 291 Pages 581-582-583 (Ex C)

b. the Brighton #2 Survey Lot # 6028
C.J. Mining Lode Claim Survey Lot # 17138
West 750' of the Martha Lode Mining Claim, Survey Lot # 1348
? And the Grantors Interest in the Lucenne Annex Survey Lot # 1257 are patened claim & Are So Taxed (Exhibit D) paid tax bill; And Are in Sec 26, T 3S, R 73W of The 6th Principal Meridian.

c. Enclosed Five Copies of Lien & Subordination agreement form MME 52. (Exhibit E) on all claims

3. Physical Desciption

a. Exibit F Location Map, No Scale (1"=400') Most Claims being 150' X 1500'.

Exhibit G. U.S.G.S. Contour Map Scale 1:24000 Central City Colo OVERLAID.

Exhibit H. Profile View of Brighton Mine #2 updated Scale 1":20'

a. Exhibit I: Plat of Brighton
Exhibit J: Plat of C. J.
Exhibit K: Plat of Lucerne Annex
Exhibit L: Ammended Plat of Martha

Exhibit M: Any existing Copy of U.S.G.S. Geology of Gilpin, Clear Creek & Boulder Counties, Colo Pages 290 through 302. These Claims described are in Virginia Canyon Colo & form a horseshoe around the Brighton All are Producers.

b. Pres. of Opperating Corp.

c. Exhibit N A&R Smelter Return on Brighton Cons.
Exhibit O A&R Smelter Return on Brighton Cons.
Exhibit P. C. V. Assay Crodes
d. Exhibit Q. 3 Smelter Returns of 4th July Crodes Contiguous to Brighton.

Starting ~~300~~ 750' From the Collar of the Brighton Shaft & heading to SW end of the Claim are 3 small shafts on an ore body 4 Ft Wide of Sulphides of Lead & Zink. This Vein Must Run the Length of the Claim from 2 to 4 Feet Wide as it can be Seen at all Levels

3d. Thus Long 500 yds x Deep 100 x 526919

500 X 100 X 1 yd wide average = 's 50,000 cu yds = 's 75,000 tons in this one Main Vein

Starting in the 400' Level but in the C.V. Tunnel Nr the Brest are 2 Veins, one 8" Wide of Lead ore & one 6 ft. Wide of Oxides of Iron & Silver.
At the Crest of the hill, the Junction of the Brighton & the C.J. are shafts Showing 6' Wide Bands of Sulphides.

Proposed: 4 explorations

1. Extend the Brighton Shaft Three Hundred ft. Down. Dry?

2. Drift the Length of the Brighton Vein SW & NE 1500' Less 350' or 1150' at the 380 ft Level ?

3. Cross Cut the Lucerne Annex 1500 intersecting the Brighton Shaft at the 200' Level for Air, Escape, drainage & exploration. ? Dry?

Proposed:

528920

Proposed: 3. a. Rehabilitate 380' of Brighton Shaft.

b. Rehabilitate 300' of C. d. Tunnel Hit the 380 ft Level.

c. Rehab. 260' of 3rd Level Brighton Tunnel.

d. Drift a Cross-cut from the Brest of the C. d. 1100' to Juntion the New Brighton Drift.

Totals 300 ft Shaft
3750 ft. Drift.

1150
1500
1100
3750

3 (e) Exhibit G USGS Geology of Gilpin, Clear Creek & Boulder Counties, Colo

3 (f.) See enclosed Smelter Returns.

3 (g.) Enclosed exhibits

4. Accessibity of Property:

a. Appointment with
Chas Weinberg
65 So Glencoe Denver 22 Colo
or Radium Hot Spr Lodge
Idaho Spr. Colo.

The Brighton is 300 yds off of the Main Road

FL-51587
DENVER,
COLO.

4a. Cont. 526921

4a Cont'd: Between Idaho Spr. & Central City. One-Quarter Mile above the 5 Rd. Junction. We have Rehabbed all Road & Shipping Bins. We Have a turn-around for Semi & Trailers.

4.b. overnight to Toole or Midvale Utah. 5 Mills within 8 Miles. 2 Hrs from Denver.

5. Exploration Work.

a. 3750 ft drift.
300 ft. Shaft.
Rehab. 380' Shaft + 300' of Tunnel. + 260' of 3rd Level Brighton Tunnel

b. Roads are existing

c. We will drift 5 ft a day
750 days or 3 yr. contract.
5 / 3750

SOME limit

We will drive 1 ft a day in a shaft or 300 days or 1 1/5 yrs.

6. Experience:
Exhibit R. This Author Has built about 600 domestic dwellings in a period of About.

6 Cont

6 cont'd: Twelve years. He has been Mining for about 1 1/2 yrs.

There are 100 good hard-rock Miners in this Area.

There are 10 good teams of contract Or Split-Check Miners available.

There are 100 Mine-Grads available for consultation in this area.

7 Cost Estimates:

Brigton Shaft is 6 x 12 ft.
All Drifts are 5 x 7 ft.

Driving a shaft a ft a working day is good progress.

?

Driving a drift 3 men can make five ft. a working day.

Some costs were found in USAF Constr Pricing guide. APF 88-008-1

Costs Computed are OURS.

Costs Include Taxes, & Insurance.

High 72. 55.00 a ft for drifting (3 Men)

" (126) 168.00 a ft for driving shaft (4 Men)

? 27.50 a ft for drifting rehab.

High 84.00 a ft. for driving shaft rehab. -?

7a. Cont'd 3750' Drift

326923

7a Cont'd: 3750 → 55.

18750
18750
4 | $206,250. Total Cost
51562 Less 25%
$154,688. Govt. Cost

300' Shaft
168.
2400
1800
300
4 | $50,400 Total Cost
12600 Less 25%
$37,800. Govt Cost

200' ~~Shaft~~ Drift
27.5 Rehab. Drift.
1500
2100
600
4 | $8250.0 Total Cost
2065 Less 25%
$6185. Govt Cost.

380' Shaft.
84. Rehab Shaft.
1520
3040
4 | $31920. Total Cost
7980. Less 25%
23940.

7.a. Cont

526924

7a cont'd:

260' Drift
27.5 Rehab. Drift. 3rd Level
1300
1820
520
4 $7,150.0 Total Cost
1787. Less 25%
$5363. Govt. Cost

Totals:

$154,688.
37,800.
$192,488.
35,488.
$227,976 Grand Total

$6,185. Rehab.
23,940.
5,363.
$35,488.

7.b. Labor Costs.

1. Drifting:

5 Ft Per day
5' x 7' x 5' = 175 cu Ft/Day
175' cu = 27/175 = 7 cu yd/day
189

7 cu yds/day = 10 Tons/day

duplication? Powder Man 8 hrs 4.00 = 32.00
Timber Man 8 hrs. 4.00 = 32.00
Machinest & Mucken 8 hrs 4.00 = 32.00
96.00

$\frac{100.}{5}$ = $20/Ft.

526925

7b. Cont. Driving Shaft.

7b cont'd: Powder Man 33.00 day.
Timber Man 33.00 day
Machinest + Muc Ken 33.00 day
Hoist Man 33.00 day

One Ft/day = $133.00 " Ft.

These Men can be had From School of Mines Undergrads. Many with 5 on 10 yrs. Experience.

7c. Timber 3.00/Ft. Lagging 75¢ 8" Native $3.50 3.00/Ft 250'/yr = $750/yr.

60# Rail 3.00/Ft. 1.50/Ft in place 2 Rails

4" Air Line 4.00/Ft. 5.15' State Factor 1.00

1" or 3/4" Water Line 1.00/Ft.

Elec. Line 1.00/Ft.

8" + 12" Fan Line 1.00/Ft.

Powder 3.00/Ft
Fuse + Caps. 3.00

6.00/Ft.
5/30.00

7 Sticks to Hole
1 center
8 Ribs
2 Lifters
2 Skimmers
4 Relievers
3 Hole Burn
20 x 7 = 140
25.00/100 wt.
5.00 Fuse + Cap

7c Cont. Water 1.00/Ft 5.00/day
100.00 Mo.
Elec 1.00/Ft 5.00 day
100.00 Mo
Fuel 2.00/Ft. Gas, Diesel

7d. Equip Comp. 3.00/Ft 365 PSI
450.00 Mo
18.00 Day

Mucker 2.00/Ft. 250/Month
10.00/day

Tramer 2.00/Ft. 250/Month
10.00 day

Loader-Cats (D-7) 5.00/Ft. 25.00 day
Blades Etc 625.00/Mo.
Amontization
Steel, Stoppers-
Exhibit Zed

Totals: 20. Labor
3. Timber Drift.
3. Rail
4. Airline
1. H_2O Line
1. Elec Line
1. Fan Line
6. Powder
1. Water
1. Elec
2. Fuel
3. compessor
2. Mucker
2. Tramer
5. Amontization
55.00/Ft.

55.00 Shaft
20.00 Credit
35.00
133.00 Labor
168.00/Ft.

7e. Initial Rehab & Repairs

1. Public Service of Colo Will Restore two 50 KVA Pots & Line without Cost to Mine Opperator.

2. We Can Move Some Constr. Shacks up to Brighton without Undue Costs.

7f. We would Like to Reserve the Right to Use the Remaining 32 Thousand Dollar Financial Assist. ANCE. Credit to Construct a Small Simple Mill (25 TON) At the Junctone of Robinson & Virginia Creeks on C. J. Property This Could be done under a Change Order Request, If Legal.

Dev.

7g. Our Lease is So Written that Most Bookkeeping & Tax & Insurance dispursals would Be done at the Smelters, who have Been Instructed to Send:

L&S?

2½ % County
5 % Fed. Govt.
12½ % Gill Mining Co.
? 20 % Metropolitan State Bank
60% Berne Inc.

L&S?

} of The Net Return

BERNE, INC.
SIXTY-FIVE SOUTH GLENCOE
DENVER, COLORADO

6 January, 1966

TO:

BOARD OF DIRECTORS
METROPOLITAN STATE BANK
COMMERCE CITY, COLORADO

BOARD OF DIRECTORS
CENTRAL BANK AND TRUST CO.
DENVER, COLORADO

this letter shall confirm our request of this date 6 Jan.1966, as per our telephone conversations.

We would request an initial amount of Thirty-Thousand Dollars, at current banking rates, repayable over a ten year period, at a rate of five per-cent of our net production.

We would use this Loan to rehabilitate our five Mines in the Virginia Canyon, Colo. Area and to opperate same, for the purpose of producing Silver and other ores for shipment to mills and smelters.

Considering the higher price of the Metal markets to-day and the apparant shortage thereof, we beleive this to be the best bussiness to be in for the next decade.

Respectfully yours,

BERNE, INC. by

Charles Weinberg

Charles Weinberg, pres.

METROPOLITAN STATE BANK

RICHARD L. AGNEW
VICE PRESIDENT

MEMBER OF FEDERAL DEPOSIT INSURANCE CORPORATION

COMMERCE CITY, COLORADO

January 7, 1966

Berne, Inc.
65 South Glencoe Street
Denver 2, Colorado

Gentlemen:

Your loan request dated January 6, 1966 in the amount of $30,000.00 for the purpose of exploring for silver and other metals, payable over a ten year period at 5 % of the net royalties is declined.

The purpose of this loan is speculative, there is no collateral and the payment method is not safisfactory.

Yours very truly,

Richard L. Agnew
Vice President

RLA:bmc

THE CENTRAL BANK AND TRUST CO.

ESTABLISHED 1892 Central Park DENVER • PHONE 825-3181

BILL GOSSETT
VICE PRESIDENT

January 7, 1966

Berne, Inc.
65 South Glencoe
Denver 22, Colorado

Attn: Mr. Charles Weinberg

Gentlemen:

In regard to your loan request on January 6th for a $30,000.00 loan repayable over a ten year period from 5% of net royalties for the purpose of exploration of silver and other metals, we must decline as the collateral is insufficient and we do not make speculation loans of this nature.

We regret that we cannot be of assistance to you.

THE CENTRAL BANK AND TRUST CO.

By Bill Gossett

Bill Gossett Vice Pres

BG:ds

MINING NEWS.

COLORADO.

Boulder County.

Diamond Rustler Group.—J. G. Rogers and B. J. Hardin are operating this property near Eldora. The shaft is being sunk on the vein, which is improving as work progresses. Assays show values of from $13 to $25 per ton.

Fissure Mine.—This property, in the Sugarloaf district, is owned by J. H. Ranson. Assays from samples taken from eight inches below the surface show values of ten ounces in gold and one and one-half ounce in silver per ton.

The Grand Island district is situated seven miles from Rollinsville, through which point the proposed Moffat line will pass. Among the properties in the section are the Boulder County mine, Sweet Home, St. Louis, American Eagle and Pierpont Morgan. A nine-foot body of ore has been opened on the Boulder County mine, containing a two-foot streak of smelting ore, which runs from $100 to $300 per ton in gold and silver. The section is highly mineralized, and it is expected to receive considerable attention the coming spring.

Clear Creek County.

Marshall-Russell Company.—A complete power plant is being installed at this property at Empire. It is stated that a mill will be erected near the railroad within a short time.

Casino Mine.—This mine has recently been started up by the Alma Mining Company, and a promising vein encountered which is believed to be the main ore body, the ore showing values of $300 per ton. J. J. May is manager; work is being directed through the Foxhall tunnel.

Seaton.—A good body of ore has been opened in the Seaton mine, assays from which show values of four ounces gold and sixty ounces silver per ton. The company has made a good record for the year just closing, turning out an average of 700 cars each month, while the principal work has been directed to development with the result that a large amount of ore is now blocked out. It is expected that work will soon be commenced on a new mill.

Big Medicine and Gladstone Groups.—These properties have been purchased by the Arizona Mining and Development Company, composed of St. Louis and Oklahoma City parties, having possessions in several mining districts. The Clear Creek properties are situated near the well known Wisconsin mine. The company is said to be very strong financially, and the operation of the groups just purchased will doubtless add greatly to the output of the Silver Plume district.

Big Chief.—Preparations are being made to resume active operations on this property near Idaho Springs. A shaft has been sunk to a depth of 465 feet, and when unwatered drifts will be started in two directions to strike the vein which, at grass roots, shows excellent values. The company also owns the Little Richard mine, which has been idle for some time, and it is stated this property may also be started up. It is well equipped with machinery, and known to contain a promising ore body.

The Waldorf Mining and Milling Company, operating near Georgetown, has declared its initial dividend. The property consists of a number of producing mines which have a record of having produced in all $4,000,000. The Independence mine is one of the principal claims of the group and is famous as being the first silver mine opened in the state. A compressor plant has recently been installed at the Wilcox tunnel, and is giving good satisfaction. The smelting ore runs about $75 per ton and the milling ore $30 per ton. The working force is expected to be materially increased in a short time. E. J. Wilcox is manager.

Lawson District.—Operations are being actively pushed forward at the Red Elephant group, recently purchased by A. E. Reynolds of Denver. The foundation is being laid for the large power plant which it is stated will supply power for driving two tunnels, which will be driven to thoroughly open the property.—The East Red Elephant Mining Company has been formed, with R. C. Vidler of Georgetown at the head. The company will operate the territory owned by Mr. Vidler, which adjoins the Red Elephant group. A tunnel will also be driven through this property. The ores of this section carry values in gold, copper, lead and silver.

Chaffee County.

Columbus Mine.—It is stated that a plant will soon be erected at the Columbus mine, near Monarch, for the treatment of its ores.

O. P. and D. H. Ford of Iowa have purchased a group of twelve claims near Twin Lakes, this county, which has been developed sufficiently to show a good body of ore. They expect to install a steam plant for further development.

Turret Camp.—A small force of men is at work at the St. Bernard mine. The shaft has been sunk fifty feet and a promising vein encountered.—D. M. Nichols is working the Crete mine under bond and lease, and indications are good for opening a good ore body.—Sinking is under way at the Independence mine, and when far enough advanced work will be commenced on the drifts. The ore shows high values in copper and good shipments are being made.

Gilpin County.

King Mine.—Work has been started up at this property under the management of W. H. Richards. The eighty-foot level is being cleaned out.

Perigo Mines.—The Perigo mill is kept in continuous operation. About seventy-five men are employed, under the management of J. E. Lightburn.

English-Kansas Mine.—This property is being worked under lease from the Kansas Burroughs Company by Nevadaville parties. Shipments are being made to the smelters.

November Output.—The shipments of ore from the Black Hawk station to Golden, Denver and other points amount to 288 cars, or 5,760 tons. This shows a decrease over the November production of 1901.

Bonaventure Consolidated Mining Company is operating a group of claims on Pewabic mountain, the tunnel to be extended through the Pewabic tunnel. The tunnel has been retimbered and preparations made to continue work during the winter.

Apex.—The Reform mine and mill has been purchased by the Golden Rod Mining Company, a new organization, and arrangements are being made to resume operations.—The Mascot mill is nearing completion, and the machinery will now soon be installed.

The Blue Grass Mining Company, operating in the Phœnix district, expect to do a considerable amount of development work during the winter. Machinery has recently been installed on the Lone Star and Champion properties. R. L. Alexander has charge of the work.

Buckley Mine.—A track is being built from this property on Gunnell hill to connect with the main line of the Gilpin tramway. The property is being worked under bond to E.

Lucerne Mining Company (The).—Incorporated under the laws of New York; capital stock $5,000,000, in 50,000 shares of $10 each, non-assessable; owns the Lucerne, 1000x50 feet, Lucerne Annex, 1500x150 feet, Second Lucerne, 1000x150 feet; situated in Robinson Gulch, Idaho Mining district, two miles from Idaho Springs; located from 1860 to 1863, and patented from 1872 to 1881; veins all fissures, with crevices averaging twelve inches in width of iron and copper pyrites carrying gold, and galena carrying silver, which mill-runs, when sorted from the gangue-matter, from two to six ounces gold per cord; Lucerne developed by a drift 100 feet in length, Lucerne Annex by a drift fifty feet in length, and Second Lucerne by a shaft 150 feet in depth.

Lucky Hesperus.—3000x50 feet; situated on Democrat Mountain, about two miles from Georgetown, Griffith district; located 1867; vein a fissure five feet wide, pay streak from two to eight inches of galena and gray copper in a quartz gangue, milling, when sorted, from 50 to 200 ounces silver per ton; developments consist of one 500-foot shaft and about the same amount of levels.

Lycurgus.—James Hall and John Sullivan, both Georgetown, Colo., owners; claim 1500x150 feet; situated on Leavenworth Mountain, Griffith Mining district, two and one-half miles from Georgetown; located in 1880; vein a fissure, with a pay streak from four to five inches wide of argentiferous galena in a quartz gangue, which assays fifty ounces silver per ton; developed by two cross-cuts thirty and fifty feet in length, respectively, and the lodes will be opened up by the Hall Tunnel, which is now 250 feet in length.

McClelland.—3000x50 feet; situated on Leavenworth Mountain, about three miles from Georgetown, Griffith district; located in 1868; vein a fissure four feet wide, pay streak from ten to twenty-five inches of galena in a quartz gangue, milling, when sorted, from 50 to 150 ounces silver per ton; developments—one main shaft 350 feet deep, with some levels and stoping.

Mackey and Minnesota.—Michael Doyle, Dumont, Colo., L. Cohen, Georgetown, Colo., and Gardner B. Weeks, Syracuse, N. Y., owners; claims 1500x150 feet each; situated on Caledonia and Iowa Mountains, Morris and Iowa Mining districts; located in 1878, and Mackey patented in 1881; veins both fissures, with crevices about five feet in width, and pay streaks eighteen inches of iron and copper pyrites carrying gold, which assays $68 per ton, with a quartz gangue-matter; developed by a shaft 148 feet in depth.

Mammoth.—Situated on the Brown's Gulch slope of Brown Mountain, about four miles from Georgetown; vein a fissure, varying in width, and containing a body of heavy galena in a quartz gangue, which is now being exploited, but as yet is not in what might be considered good-pay ore.

Maple-leaf Group.—(See Gilpin County.)

Manhattan.—Owned by David M. DeWitt, Georgetown; claim 150x1250 feet; located in 1875; situated on Sherman Mountain, near Brownville, Griffith Mining district, three miles from Georgetown; vein a fissure three feet wide, pay vein twelve inches; developments—three shafts aggregating 100 feet in depth and one tunnel fifty feet in length.

Manhattan Gold and Silver Mining Company (The).—Owns the Thompson, Sterling, Ringgold, Thunderbolt, Beaver, Lennox, Kenton, Lamar, and Melverne lodes; situated at the junction of Cascade and Ute Creeks, Cascade district; for the development of which the Company is running a tunnel, the Manhattan now over 100 feet long, designed to cut

argentiferous galena, gray copper, and sulphurets of silver in a quartz gangue, which mill-runs, when sorted, from 200 to 400 ounces silver per ton; developed by tunnels and drifts aggregating 500 feet; output $40,000.

Fletcher Gold and Silver Mining Company (The).—Incorporated under the laws of New York, in 1878; capital stock $1,000,000, in 100,000 shares of $10 each, non-assessable; president, James R. Smith; superintendent, E. Le N. Foster, Georgetown, Colo.; offices Georgetown, Colo., and New York City; owns the Matilda Fletcher lode, 1400x50 feet; situated on Democrat Mountain, Upper Union Mining district, two and one-half miles from Georgetown, and is patented; vein a fissure, with a crevice ten feet wide, and a pay streak from one to fifteen inches of galena and sulphurets in a quartz gangue, which mill-runs, when sorted, from 50 to 350 ounces silver per ton; developed by tunnels aggregating 2,200 feet and shafts 500 feet, with drifting and stoping; output $75,000.

Florence.—John G. Roberts, Georgetown, Colo., owner; claim 1500x150 feet; situated on Republican Mountain, Griffith Mining district, two miles from Georgetown; located in 1876, and patented; vein a fissure, with a crevice from six to ten feet in width of quartz, galena, and sulphurets, milling, when sorted, from 50 to 350 ounces silver per ton; developed by a tunnel 400 feet in length and a shaft twenty-eight feet in depth.

Fox.—Christian Halbroson and George R. Squires, both Dumont, Colo., owners; claim 1500x150 feet; situated on Albro Hill, Morris Mining district, three-fourths mile from Dumont; located in 1880; vein a fissure, with a crevice from six to eight feet in width, and a pay streak six inches of iron and copper pyrites in a quartz gangue, which assays $85 per ton; developed by two adits forty feet long each.

Foxhall Tunnel and Mining Company.—Incorporated under the laws of Colorado, in 1881; capital stock $500,000 in 50,000 shares of $10 each, non-assessable; president, S. R. Womack, El Paso, Colo.; vice-president, F. W. Beebee, Manitou, Colo.; secretary, treasurer, and general manager, Theodore H. Lowe, Idaho Springs, Colo.; office Idaho Springs, Colo.; owns the following claims: Foxhall Tunnel, 3,000 feet in length, and Fourth of July, Mystic, Illinois, Lorillard, Princess, Duchess, Beaty, and Silver Spruce lodes, all 1500x150 feet each; situated on Seaton Mountain, Idaho Mining district; Fourth of July patented in 1883; veins all fissures, with crevices varying from four to six feet in width; ore—argentiferous galena in a quartz gangue, which mill-runs, on the Lorillard, when sorted, $125 per ton; a tunnel is run on the tunnel site 600 feet long, which has opened up the Lorillard and Silver Spruce lodes; worked by a thirty-horse-power engine and two Rand Drills; output from 1871 to 1877, 3,260 tons of ore, netting $112,110.

Frank Blair.—J. T. Harris, Georgetown, and John Dumont, Idaho Springs, Colo., owners; claim 1500x150 feet; situated on Leavenworth Mountain, Griffith Mining district, one-fourth mile from Georgetown; patented in 1878; vein a fissure, with a crevice four feet wide, and a pay streak from one-half inch to ten inches of galena and zince blend in a quartz gangue, which assays thirty ounces silver per ton; developed by an adit 250 feet in length.

Fred Rogers.—(See Lincoln Mining Company.)

Freeland Mining Company.—Incorporated under the laws of Colorado; capital stock $5,000,000, in 200,000 shares of $25 each, non-assessable; president, R. C. McCormick; secretary and treasurer, D. F. Verdinal—both New York; general manager, F. F. Osbiston, Idaho Springs, Colo.; offices 39 Broadway, N. Y., and Idaho Springs, Colo.; owns the Freeland lode and its

TAX RECEIPT - 1964

TREASURER'S OFFICE, CLEAR CREEK COUNTY, COLORADO

Roll Co Page 89

Received of: C.A. Stanton / check

GEORGETOWN, May 3 1965

$ 30 94 First Half / Second Half / Full

Payment of the taxes on the following property for the year 1964

GILL MINING CO. 5
% C.A. STANTON
2081 IVY, DENVER 7, COLO.

BRIGHTON #2	6028	IDA	3.11BA
W 750' MARTHA	1348	"	3.81A
C.J.	17138	"	2.85A
LUCERNE ANNEX	1257	"	2.71A
IEPTS.			

57 due

'57 by production

Pd by C.A. Stanton per ck.

Assessed Valuation	Full Amount of Tax	FUNDS	TAX Dollars	TAX Cents
410	30 94	Total State and County	14	34
		Georgetown & Gtn. Lib.		
		Sch. D. No. 3 Bd. & Int.		
		Idaho Springs		
		Sch. D. No. 5 Bd. & Int.	2	05
		Sch. D. R.E.-1	13	32
		Sch. D. R.E.-1 Cap. Res. Fund		82
		Silver Plume		
		Empire		
		Evergreen Fire Prot. Dist.		
		Special Mining Fund		41
		STOCK LEVY		
		Predatory Animal, Sheep & Goats		
		Upper So. Platte Water Const. Dist.		
		Advertising and Costs		
		TOTAL TAX	30	94
		INTEREST		
		TOTAL	30	94

The description of your Real Estate, as shown hereon, has been certified by the County Assessor. Please compare this receipt with your deeds to see that the description is correct.

Payment by Check Subject to Collection

Benjamin F. Stacker
Treasurer of Clear Creek County

By _____ Deputy

Fees: _____

C. F. HOEFFEL CO., DENVER, COLO.

Recorded Clear Creek County
6 Dec 60
Reception #305-96 Bk 291 Pg 572

9 AUGUST 1965

THIS LETTER WILL ACT AS AN INSTRUMENT WHICH IS A NINTY DAY RIGHT TO PURCHASE THE ORE FROM MINERAL ENTERPRISES INC. WHICH ORE EXISTS AT THIS DATE ON THE DUP OF THE FOURTH OF JULY MINE AND IS IN THE AMOUNT OF FIVE HUNDRED TONS, MORE OR LESS, AND WHICH HAS BEEN BROKE IN THE LAST FIVE MONTHS, ~~XXX~~ AND FOR WHICH A ROYALTY OF ONE-THIRD WILL BE PAID. WHICH ONE THIRD IS DETERMINED AS THE GROSS RECEIPT MINUS FREIGHT FROM BLACKHAWK COLO. TO SMELTER OFFERING HIGHEST NET RETURN PER LOT OF ORE. LESSEE, BERNE INC.

MINERAL ENTERPRISES INC. HAS ~~XXXXX~~ ACCESS TO FOURTH OF JULY MINE, IN VIRGINIA CANYON COLO. UNDER LEASE WITH EARL N. JOHNSON ESTATE OF DENVER COLORADO.

MINERAL ENTERPRISES, INC.
P.O. BOX 1141
IDAHO SPRINGS, COLO.

Basil Turiansky, Gen. Mgr.
BASIL TURIANSKY

BERNE, INC.
65 SOUTH GLENCOE
DENVER, COLORADO.

Charles Weinberg, pres.
CHARLES WEINBERG

Recorded Clear Creek County
6 Jan 66
Reception #305 96 Bk 291 Pg 572

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BERNE, INC.
65 SOUTH GLENCOE
DENVER, COLORADO.

Charles Weinberg, pres.
CHARLES WEINBERG

XERO COPY XERO COPY XERO COPY XERO COPY

Miner's Assay Office

GEORGE TREDER

Idaho Springs, Colorado

Aug. 29th, 1965 19

ASSAY REPORT MADE FOR: Charles Winberg
Denver, Colo.

4th of July Mill Cons

SAMPLE	OUNCES Gold	OUNCES Silver	Lead	Zinc	Copper %	APP Value Per Ton
High Riffle	6.40	18.60	32.00	4.00	.80	$367.84
Float Cons	.50	16.20	13.00	20.00	3.60	$164.43

With that kind of ore, it seems to me the high riffle should be much higher - WHY IT ISN'T , I DON'T KNOW.

Miner's Assay Office

GEORGE TREDER

Idaho Springs, Colorado

Sept. 16th, 1965 19

ASSAY REPORT MADE FOR: Charles Winberg
4th of July Mine

SAMPLE	OUNCES Gold	OUNCES Silver	Lead	Zinc	Copper %	APP. Value Per Ton
Sample	.80	20.20	20.20	28.80	8.60	$234.14

Harley N. Nep
537 3381 Kenneth Cooper

OUR MOTTO: — WHAT THERE IS IN IT, NO MORE NO LESS.

EDMUND E. PHILLIPS, VICE-PRES.—GEN. MGR. M. E. PHILLIPS, SECRETARY

THE COLORADO ASSAYING COMPANY

(INCORPORATED)

ASSAYERS AND CHEMISTS

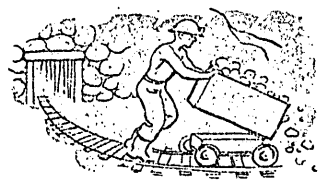
2244 BROADWAY

Collect $22.00

DENVER 1, COLORADO October 23, 1965

REPORT ON DETERMINATIONS MADE FOR— National Iron & Metal Co.
100 So. Santa Fe
Denver, Colorado

SAMPLE MARKS	METALS	Amount per Ton Ozs.	Amount per Ton Hds.	PER CENT	Value per Ton Dollars	Value per Ton Cents
Crudes						
Heavy Coarse Grained	Gold		.38		13	.30
	Silver	19	.40		25	.22
4th July	Copper			1.45	8	.70
	Lead			42.2	105	.50
	Zinc			19.7	29	.55
					182	27



Miner's Assay Office

GEORGE TREDER

Idaho Springs, Colorado

Sept. 1st, 1965 19

ASSAY REPORT MADE FOR: 4th of July
C. Winberg

SAMPLE	OUNCES Gold	OUNCES Silver	Lead	Zinc	Copper %	APPo Value Per Ton
Concentrates	1.40	31.80	11.00	11.50	1.30	$166.36

Gold @ ..... per. oz. Silver @ ..... per. oz.
Lead @ ..... per. lb. Copper @ ..... per. lb.
Zinc @ ..... per. lb. ..... @ .....

MINER'S ASSAY OFFICE

By George Treder

USGS
Geology
of Gilpin,
Clear Creek
& Boulder
Counties
290-302.

1 Copy only

ounces; silver, 4 to 161 (average 22.74) ounces; lead, 38 per cent or less; zinc, 18 per cent or less; and silica, 67 to 82 per cent (6 determinations only). The high silver content of some of these shipments is indicative of enrichment. Several small shipments in 1910 which assayed, according to sampler returns, 0.28 to 1.2 ounces gold and 1 to 1.7 ounces silver, probably represent the pyritic type of ore.

The company owns two mills, the Wilkie and Silver Age, in the valley of Clear Creek below Idaho Springs, power being furnished by a hydroelectric plant. These mills are capable of treating 60 tons of ore per day.

HUDSON-BURR TUNNEL.

The portal of the Hudson-Burr tunnel is in Silver Age Gulch at an elevation of about 8,500 feet. The workings were blocked at the mouth and only the dump could be studied. On the dump two types of ore were observed, one showing galena, sphalerite, pyrite, and subordinate chalcopyrite in a gangue of quartz and siderite and the other showing only coarse pyrite in a quartz gangue.

Some of the pyritic vein material shows minor amounts of galena, sphalerite, and chalcopyrite. A polished specimen 3 inches wide, the entire width of a vein, showed, when studied under the microscope, an irregular central band of coarse pyrite 1 to 1½ inches wide bordered on either side by three-fourths to 1 inch of light-gray quartz. The pyrite had been brecciated, a feature especially clear when the polished surface was etched with nitric acid, and along small cracks traversing the pyrite and in small irregular spaces between pyrite fragments galena, sphalerite, chalcopyrite, and clear calcite had been deposited. The relations were entirely clear and indicated beyond any question that composite mineralization had taken place, first with quartz and pyrite and later with galena, sphalerite, and chalcopyrite.

METROPOLITAN TUNNEL.

The Metropolitan tunnel, at an elevation of 8,600 feet on the east side of Boomerang Gulch, follows for about 1,850 feet a vein which strikes generally N. 60° E. and dips 35°–55° NE. The wall rock is schist of the Idaho Springs formation and monzonite porphyry. At some places the mineralization consists of stringers of gray quartz bearing pyrite which traverse schist carrying disseminated pyrite. Locally, however, veinlets up to 2 inches wide of galena, sphalerite, and subordinate pyrite in a gray quartz gangue occur. An interesting feature is the occurrence of a few 1 to 2 inch bands of soft white sericite, which represent an extreme phase of metasomatic alteration by the mineralizing solutions. No mining is now being done in this tunnel.

Six lots of ore from this mine shipped in 1911 showed the following metal content:

Assays of ores from the Metropolitan tunnel.

Ore.	Gold.	Silver.	Lead.	Zinc.
Net lbs.	*Ounces.*	*Ounces.*	*Per cent.*	*Per cent.*
1,920	1.40	17	.....	.....
2,470	1.95	64	.....	.....
5,150	.52	14.50	.....	.....
4,650	1.24	41.00	11	27
2,470	.55	25.00	.....	.....
6,790	.20	11.50	6	13

SEATON VEIN.

The Seaton vein was first developed through a shaft on the south side of Seaton Mountain at an elevation of about 8,900 feet, but since 1900 has been worked through the Foxhall tunnel. It is also cut by the Tropic tunnel about 680 feet from the portal and 250 feet vertically below the surface. Drifts on it from the Tropic tunnel break into the workings of the Pine Shade shaft, which connects with 7 levels, all inaccessible except that from the Tropic tunnel. The Seaton vein is also cut by the Argo tunnel at a vertical depth of about 1,200 feet at about the point (6,980 feet from the portal), where it should be cut if its average dip of 60° N. in the upper workings persists to the tunnel level.

The Seaton shaft follows the vein to a vertical depth of 450 feet. It has six levels, the lowest of which (seventh) connects through a 100-foot raise with the workings in the Foxhall tunnel level. About 450 feet east of the main shaft a subsidiary shaft is sunk from the tunnel level for a vertical depth of 220 feet. A room for hoisting engine and head frame has been excavated at the top of this shaft and the ore is trammed out through the tunnel. Three levels connect with this subsidiary shaft. All the levels connecting with the main shaft are inaccessible except the sixth, which can be reached by the raise from the tunnel. The

writer's observations, therefore, were confined to the portions of the workings below 450 feet in vertical depth.

On the surface the vein can be traced with certainty for only a short distance west of the Seaton shaft, but to the east it can be followed for 1,000 feet beyond the Pine Shade shaft to the southeast nose of Seaton Mountain overlooking Gilson Gulch. The same, or a closely [illegible] lode, probably extends across Gilson Gulch. As shown on the surface the Seaton [illegible] ears to join the Tropic vein near the [illegible] de shaft, and the Tropic is probably [illegible] arded as a branch from the Seaton [illegible]

[illegible] ton is a strong vein dipping 45°–80° [illegible] e about 60° N.). Throughout the portions studied the wall rocks are schists of the Idaho Springs formation, with small [illegible] of pegmatite, and the vein in general lies parallel to their foliation though occasionally cutting across it at small angles. The vein is in places barren but elsewhere is heavily mineralized. One portion, 130 feet east of the Foxhall tunnel, shows 1 to 2 inches of crushed schist and pegmatite wholly unmineralized. Other portions show pyrite as the only mineral sparsely disseminated in small grains through crushed and altered schist. These sparsely pyritic portions have not been worked. The workable portions of the vein carry galena and sphalerite and minor amounts of other minerals, in places in a single sharp-walled vein but more commonly in a network of small sub-

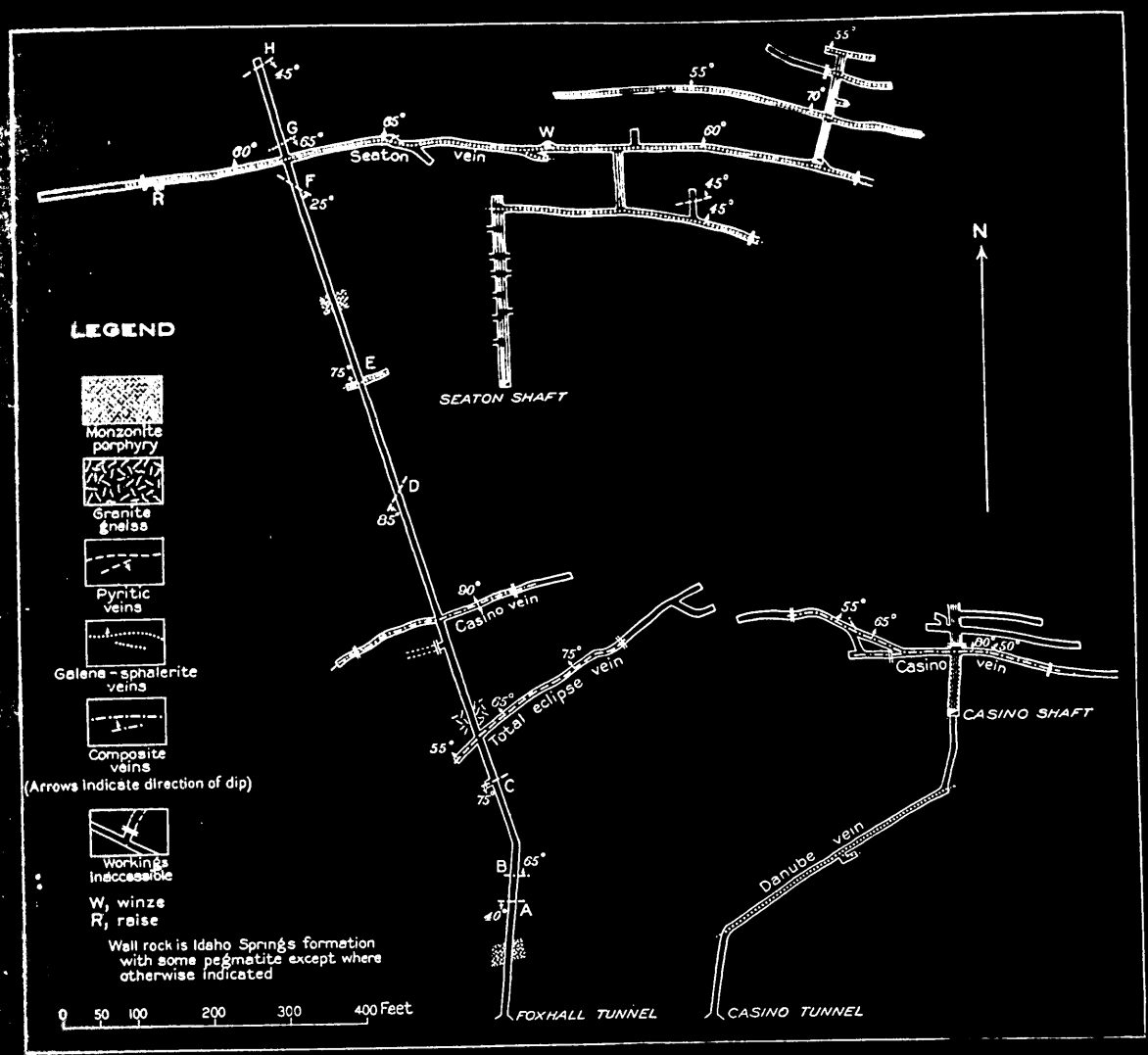


FIGURE 55.—Geologic plan of Foxhall tunnel and of Seaton and Casino mines.

[illegible] veins bordered by schist or pegmatite [illegible] carrying more or less disseminated pyrite. Only rarely do the walls contain disseminated galena or sphalerite. The vein, including the gangue and disseminated material, reaches a width of 5 feet in its stronger portions, but more commonly measures 1 to 2 feet. As exposed in a winze 330 feet east of the Foxhall tunnel it shows 3 inches of gouge next the footwall, a 5-inch band of galena, sphalerite, and subordinate pyrite and quartz, a small fracture seam, and 4 inches of somewhat altered schist and pegmatite carrying disseminated fine pyrite. The galena forms crystals locally 1 inch in diameter though commonly smaller. Twenty feet east of the shaft in a stope between the eighth and ninth levels the vein has a width of 5 feet and includes a stringer of gray quartz, one-half to 1 inch wide, carrying abundant pyrite, which is cut sharply at 60° by veinlets of galena and sphalerite which are plainly younger. Similar evidence of two mineralizations (a relatively unimportant pyritic mineralization followed by a very considerable galena-sphalerite one) is found in the winze, 330 feet east of the Foxhall tunnel, where a 2-inch quartz-pyrite vein is cut nearly at right angles by the main galena-sphalerite vein. The appearance of the vein in the Tropic tunnel workings (see fig. 56) is described on page 298. On the Argo tunnel level many portions of the vein show only pyrite. Some of the abundant disseminated pyrite in portions of the vein may also belong to the earlier mineralization.

On the Argo tunnel level the drifts on the Seaton vein are caved 70 feet east and 170 feet west of the tunnel. (See Pl. XXI, *A*, in pocket.) Within the 240 feet available for study the vein dips 55°–60° N. West of the tunnel the vein is practically barren, and east of it the largest amount of mineral observed was a 4-inch streak of quartz and pyrite with small local vugs. In one place a little galena was observed with the pyrite, and smelter returns for this lateral show that much of the ore was rich in both lead and zinc.

Some postmineral movement along the vein is shown in several places by crushed and sheared ore.

The dominant minerals of the main mineralization are galena and sphalerite. The galena commonly forms crystals one-fourth to one-half inch in size but in a few places is of [illegible] local antimony. The sphalerite [illegible] of the resinous variety but is [illegible] dark. Pyrite is subordinate and chalcop[illegible] rare. Quartz is the common gangue m[illegible] but some rhodochrosite is found [illegible] One specimen showed crystals of rhodoch[illegible] as much as 2 inches across intercrysta[illegible] with pyrite and evidently of primary de[illegible] tion. Tennantite in small fragments [illegible] observed on the shaft dump but was not seen in place. Some of the best values in silver in the lower parts of the mine are said, however, to have been found in tennantite-rich portions of the lode. A specimen of "gray copper" (presumably tennantite) from shortly below the tunnel level assayed 1 ounce in gold and 118.4 ounces in silver. Zinc ore from the same part of the mine assayed 0.32 ounce in gold and 25.9 ounces in silver.

Specimens from the older shaft workings seen in private collections show undoubted enrichment in silver with the development of ruby silver, argentite, and native silver. The richest ore of the mine is said to have come from the fifth level (315 feet vertical depth), but one specimen from the sixth level (450 feet vertical depth) showed wires of native silver deposited on the quartz crystals in a small vug, indicating that silver enrichment locally extended to that depth.

Sampling-works assays of 27 lots of smelting ore, aggregating 202 tons, shipped from the Seaton mine between 1902 and 1910, show gold, 0.12 to 2.35 (average 1.13) ounces; silver, 7.5 to 105 (average 39.66) ounces; copper (wet), 2.55 per cent or less; lead, 26.4 per cent or less; zinc, 24 per cent or less. A former operator estimates the average value of clean smelting ore between the fifth and seventh levels at gold 1.6 ounces, silver 55 ounces, lead 22 to 25 per cent, zinc 18 per cent.

A test run made in the Dover mill on 25 tons of material from the Pine Shade dump yielded a nearly pure galena concentrate, which assayed gold, 5.36 ounces; silver, 20.90 ounces; and lead, 66.50 per cent. Zinc concentrates weighing 11,900 pounds, shipped in 1910, assayed gold, 0.55 ounce; silver, 20 ounces; lead, 7.50 per cent; zinc, 27 per cent. These assays indicate that the gold values are considerably higher in the galena than in the sphalerite. Sampler returns from ore shipped

from the Seaton lateral in the Argo tunnel level show lower values than ore from the Shaft and Foxhall tunnel workings, an estimated average for about 45 tons being gold, 0.5 ounce; silver, 25 ounces; lead, 20 per cent; zinc, 15 per cent. Silver contents considerably higher than those recorded above were characteristic of the enriched ores in the upper levels. Raymond[1] states, for example, that ore obtained just below the oxidized zone in 1871, containing sphalerite and galena in the proportion of 3 to 1 and some "gray copper," assayed 100 to 243 ounces in silver.

TROPIC TUNNEL.

The Tropic tunnel, which was started in 1900, runs N. 18° W. for about 1,600 feet under the eastern end of Seaton Mountain from an elevation of 8,575 feet near the head of Buttermilk Gulch. The first 1,000 feet cuts schist of the Idaho Springs formation and the last 600 feet is in granite pegmatite and granite gneiss with some schist. (See fig. 56.) At 600 feet from the mouth the tunnel cuts a monzonite porphyry dike 45 feet wide.

The Tropic tunnel cuts three main veins—the Gem, the Tropic, and the Seaton-Pine Shade and several smaller mineralized fractures. The Gem vein, as exposed by the Tropic tunnel, is at least 20 feet wide. The drift follows its footwall portion (fig. 56), which consists of crushed altered granite gneiss, heavily impregnated with pyrite and traversed by numerous stringers of rather coarse pyrite, some of which are 8 inches in width, though most of them are only 1 to 1½ inches. Thirty feet south of the footwall a fracture nearly parallel in strike but dipping 69° N. contains 4 inches of gouge. The granite gneiss between the Gem vein and this fracture is all somewhat altered and contains pyrite sparingly disseminated through it. (See also p. 291.)

Vein *A* (fig. 56) is a 4-inch vein of quartz and pyrite which is frozen to the walls.

Vein *B* is an 18-inch zone of crushed pegma- [illegible] which there has been a slight deposition [illegible]

[illegible] is a 2 to 4 inch quartz-pyrite vein par- [illegible] schistosity and frozen to both walls. [illegible] Tropic vein ranges from 1½ to 6 feet in [illegible] about 2 feet). Next the hanging wall in most places there is from [illegible] of gouge, below which is altered [illegible] traversed by bands not more than [illegible] wide carrying dark sphalerite, galena, [illegible]

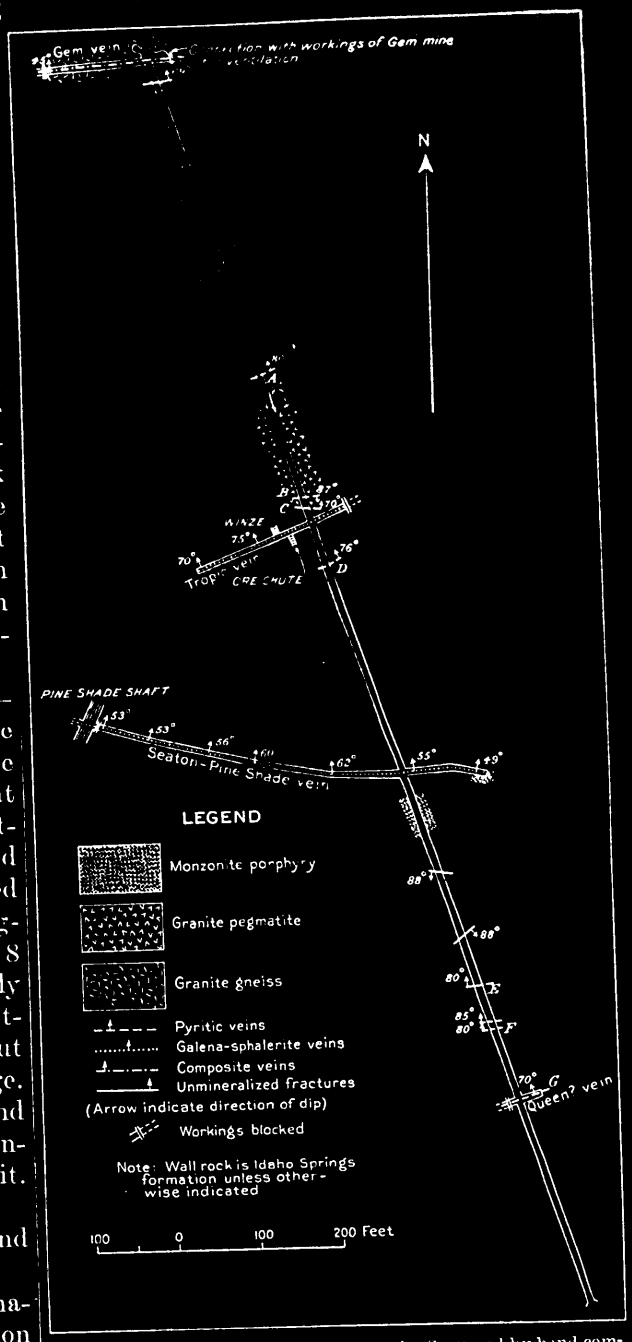


FIGURE 56.—Geologic plan of Tropic tunnel. Surveyed by hand compass and pacing.

more or less pyrite and chalcopyrite. In some of the ore here a small amount of gray copper is closely associated with galena and sphalerite. In the Tropic vein on the Argo tunnel level some rhodochrosite is found.

[1] [illegible] Statistics of mines and mining in the States and [illegible] Rocky Mountains, 1871, p. 351, 1873.

Sampling-works assays of a few shipments of smelting ore from different parts of the Tropic vein give some idea of the metal content.

Sampling-works assays of ore from the Tropic vein.

	Gold.	Silver.	Copper (wet).	Lead.	Zinc.
	Ounces.	*Ounces.*	*Per cent.*	*Per cent.*	*Per ct.*
Argo level	0.23	29.70	.....	18.00	20
Surface	.19	53.00	.....	.....	.....
Seventh level	1.60	24.10	.....	20.90	23
	1.24	117.80	.....	13.50	23
Tropic tunnel level	.26	21.30	.....	.....	9
	.75	56.40	0.50	.....	18
	.70	169.00	4.10	12.00	7

The tenor of the ore is so variable that it is difficult to give a satisfactory average. Sampling-works assays of 25 lots of smelting ore, aggregating 68 tons, shipped from 1908 to 1910, show gold 0.1 to 7 ounces and silver 0.5 to 118.5 ounces.

In general the gold content is less than 1 ounce and the silver less than 50 ounces, though some ore from the upper levels contained several hundred ounces of silver as a result of downward enrichment. Copper generally is below the smelter limit of 1.5 per cent. Lead averages about 10 per cent.

The gross production is said to be about $200,000.

Vein *D* is a 3-inch fracture in which the crushed schist contains a little disseminated pyrite.

The Seaton-Pine Shade vein, as exposed in the Tropic tunnel and in drifts on the vein which connect the tunnel with the Pine Shade shaft, ranges from 7 inches to 5 feet in width (average about 2½ feet). The vein consists of dark-gray quartz with galena, dark and light sphalerite, pyrite, and chalcopyrite. In some places the schist has been silicified and contains disseminated sulphides. At one place about midway between the Tropic tunnel and the Pine Shade shaft the ore has been brecciated and partly recemented and lies in a matrix of crushed wall rock and white quartz. For the value of the ore and a description of other development on this vein, see pages 294–297.

Vein *E* is a 2-foot zone of crushed altered schist, somewhat silicified, which contains disseminated pyrite. It is about parallel to the foliation of the schist and is separated from both walls by 1 inch of gouge.

Vein *F* comprises 10 feet of shattered and bleached schist. On the hanging wall and the footwall and near the center of this zone there are 12 to 14 inch bands of quartz and pyrite.

Vein *G* is about 5 feet wide. For 8 inches above the footwall the crushed schist is silicified and contains a little disseminated pyrite. The rest of the vein consists of fractured but unmineralized schist.

CRYSTAL TUNNEL.

The portal of the Crystal tunnel is on the east side of Virginia Canyon at an elevation of about

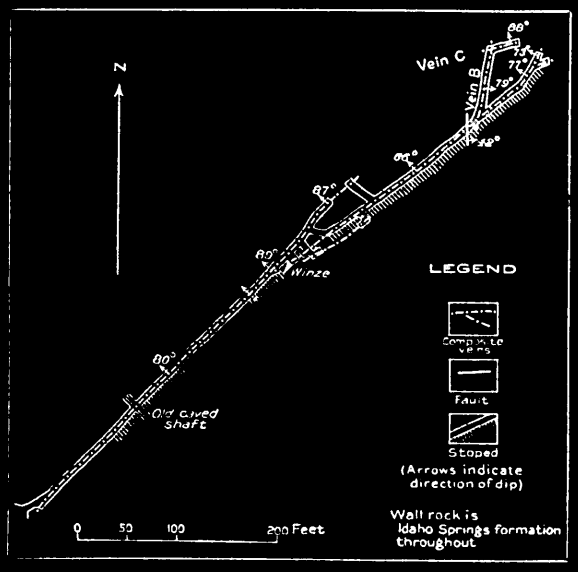


FIGURE 57.—Geologic plan of Crystal tunnel. Surveyed by hand compass and pacing.

8,250 feet. The vein is strong and without branches from the portal to the winze, shown in figure 57, and in this distance varies from 6 inches to 4 feet in width. An exposure 300 feet from the portal shows a tight slip plane next the footwall followed successively by 8 inches of silicified schist carrying disseminated pyrite, a 4-inch vein of quartz, pyrite, and sphalerite, 3 feet of silicified schist carrying disseminated pyrite, and a tight slip plane next the hanging wall. Near the winze the vein divides into three forks, and the principal development follows the middle fork. Specimens from near the face of the north fork show clearly that the mineralization is composite, coarse pyrite

being traversed by veinlets of quartz, galena, and sphalerite.

About 600 feet from the portal the middle branch is cut without displacement by a fracture zone that parallels the schist foliation and shows 2 to 4 inches of gouge. About 10 feet farther on the vein is crossed by vein *B*, showing from 2 to 6 inches of fractured schist on the footwall and a 1 to 4 inch band of quartz, pyrite, galena, and sphalerite next the hanging wall. Vein *C*, at the end of the drift on vein *B*, is a 1 to 2 inch stringer of sphalerite frozen to both walls. At the face the schist for 4 inches below it is silicified and carries disseminated sulphides.

The metal content of the ore from the Crystal tunnel is variable. Sixteen lots of smelting ore, aggregating 35 tons, shipped from 1888 to 1910 inclusive, show, according to sampling-works assays: Gold, 0.15 to 3 (average, 0.76) ounces; silver, 5.5 to 95 (average, 37.4) ounces; copper (wet) in one lot 3, but usually less than 1.5 per cent; lead, 3 to 17 per cent; zinc, 6 to 16 per cent.

CASINO VEIN AND FOXHALL TUNNEL.

The portals of the Foxhall and Casino tunnels are near each other and at nearly the same elevation (about 8,450 feet) at the head of Seaton Gulch. (See fig. 55.)

The Foxhall tunnel cuts several minor veins, described below in order from portal to face and identified by letters in figure 55: A, a one-half to 2 inch vein of gray quartz carrying fine-grained pyrite; B, a tight but very vuggy quartz vein 1 to 3 inches wide, showing pyrite and some galena near and on the walls of vugs; C, a zone of fractured schist 4 inches to 1 foot in width carrying some disseminated pyrite; D, a one-half to 1 inch veinlet of gray quartz carrying pyrite; E, a fracture zone feebly mineralized with galena and sphalerite; F, a sharply defined vein 1½ to 2½ inches wide consisting of massive pyrite in a quartz gangue; G, a tight vein [illegible] 2½ inches wide, composed of galena, sphalerite, and pyrite and probably an offshoot from the Seaton vein; H, a vein 1 to 2 inches wide, parallel to the foliation of the schist, consisting of pyrite and quartz. The schist for several inches on each side carries disseminated [illegible]

The Total Eclipse vein, as seen in drifts from the Foxhall tunnel, is not strongly mineralized. In places it is a barren fracture zone 2 inches to 2 feet across, but elsewhere it shows 1 foot of gray quartz and somewhat silicified schist carrying pyrite.

The Danube vein, as exposed in the Casino tunnel, is not heavily mineralized and no stoping has been done on it. In many places it is a barren fracture zone, 6 inches or so in width, about parallel to the foliation of the schist wall rock. In a few places small stringers of gray to brownish quartz carry fine galena, sphalerite, and pyrite.

The Casino vein is less regular than the other main veins cut by the Foxhall and Casino tunnels. It is composed of several branching fracture zones in the schist whose relations to each other are more or less irregular. The exact relations between the portions of the vein exposed in the Casino and Foxhall tunnel workings, respectively, are not clear; the relationship is evidently complicated by the presence of the Total Eclipse vein. The vein is not now being worked in the Casino workings, but at the time of survey it was being worked on a short level 150 feet below the Foxhall tunnel through a shaft starting underground in the Foxhall tunnel. On this level, 95 feet west of the shaft, the mineralization consists of three tight-walled veinlets one-half to 2 inches wide distributed through a width of 4 feet of schist and lying about parallel to its foliation. These veinlets consist of rather fine sphalerite, galena, and subordinate pyrite in a gangue of gray quartz and some pink calcite. The presence of gray copper in this portion of the vein is said to indicate good values.

The Casino vein has in the past yielded considerable amounts of rich telluride ore. The silver values in these ores were said to be small, and the valuable mineral was probably sylvanite. Only roasted specimens of this ore were seen by the writer, but some of these were exceedingly rich.

All the output is smelting ore, but its tenor is so uneven that it is impossible to give the average metal content. The following sampling-works assays show the high values occasionally found and the extreme irregularity in the gold-silver ratio. The first two probably

represent ores enriched in silver; the third and probably the fourth are certainly of telluride ores; the last two more nearly represent the content of most of the ore.

Sampling-works assays of ore from Crystal tunnel.

Year.	Ore.	Gold.	Silver.
	Net pounds.	*Ounces.*	*Ounces.*
1888.....	3,709	4.30	252.65
1888.....	1,118	6.78	241.66
1893.....	82	76.00	18.00
1894.....	2,750	8.20	.25
1893.....	3,674	1.58	8.34
1888.....	3,414	2.25	3.00

EARLY BIRD TUNNEL.

The Early Bird tunnel, on the west side of Virginia Canyon opposite the mouth of Boomerang Gulch, is entirely on the vein and is said to be 640 feet long but could be entered for only 510 feet. At 310 feet from the mouth a winze, now full of water, has been sunk; and at 180 feet a 30-foot crosscut leads south. Schist of the Idaho Springs formation is exposed throughout the entire workings.

The vein strikes N. 55° E. and dips on an average 85° SE. It is usually from 12 to 18 inches wide. Branches into the footwall were noted just east of the winze and 80 feet from the mouth. A small parallel fracture with similar mineralization is exposed at the end of the crosscut.

The mineralization is entirely pyritic, small cubes of pyrite being disseminated in the crushed, bleached, and in places silicified schist along the fracture zone. At the winze the mineralized zone is at least 10 feet wide; nearer the mouth of the tunnel its maximum width is about 5 feet. In a few places lenses of white quartz with rather coarse pyrite are seen in the vein; in most places these are about 2 inches wide and are very short, but in one locality 6 inches of the material extends for about 20 feet along the drift.

Apparently little work has been done in this tunnel for years, and the water, which is considerable, is depositing limonite on the walls and floor. Near the winze the floor is covered with 2 to 3 inches of soft spongy limonite.

The Early Bird shaft, 300 feet southeast of the tunnel on the Old Proverb vein, is full of water. The dump indicates that this vein has the same constituents as the Early Bird vein.

BELL VEIN.

The Bell vein is developed by the Bell tunnel with portal in Seaton Gulch at an elevation of about 8,200 feet. The tunnel, which is about 650 feet in length, trends from east to N. 65° E., following a well-defined but lean fracture zone which only exceptionally shows small seams and lenses of pyrite. It is in general nearly vertical. In several places the fracture zone is 3 to 4 feet in width, but the widest pyrite stringer observed was only 1½ inches.

TREASURE VAULT MINE.

The Treasure Vault vein cuts across the nose of the ridge between Virginia Canyon and Buttermilk Gulch about three-quarters of a mile north of Idaho Springs, the main shaft and mouth of the tunnel being within 400 and 500 feet of the road between Central City and Idaho Springs. This vein has been worked through three shafts, the deepest of which has reached 130 feet below the surface. A drift tunnel 450 feet long, starting from the draw between Buttermilk and Seaton gulches, runs east to a point under the main shaft, with which it is connected by a 50-foot inclined raise. This shaft has levels at 76 and 126 feet and is equipped with a hand windlass. The lower level extends 135 feet east and 40 feet west of the shaft, the raise from the tunnel being at the extreme west end. The 76-foot level is 210 feet long, 50 feet of which is west of the shaft. Most of the stoping has been done between the first level and the surface, though some ore has been taken from greater depths.

Granite gneiss is the only rock seen underground. On the surface a very little monzonite porphyry is exposed just east of the tunnel mouth but was not noted in the tunnel.

The Treasure Vault vein strikes about N. 60° E. and dips 29°–58° N. It is accompanied by two subparallel veins. The first, a rather strongly marked, nearly vertical fissure averaging about 1 foot in width joins the Treasure Vault on the upper level about 90 feet east of the shaft and diverges from it westward. Thirty feet west of the shaft it is 15 feet south of the main vein, and it is probably identical with the southern 1 to 2 foot fracture in the tunnel level, where the veins are about 100 feet apart. Between the main vein and the first fissure a second fissure appears, about 50 feet from each in the tunnel and about equidistant

n the upper level. It has a dip of 55°–70° S. Cross fractures connect the three main fissures, and the granite gneiss between them is more or less silicified and otherwise altered. The gently dipping Treasure Vault vein in particular tends to send off small very flat lying stringers which seem in some places to cut across the middle and vertical vein. These "flats," of which there are two and possibly three between the surface and the second level, seem to have some connection with the bonanza pockets. They are generally narrow and of short length along the vein, being rarely traceable for more than 30 feet.

In the tunnel the three fissures exposed were practically barren fracture zones containing a little disseminated pyrite. At one locality in the north or Treasure Vault drift a stope 100 feet long and 10 to 15 feet high shows two stringers of gray-blue cherty quartz with pyrite, each about 4 inches wide, separated by 4 feet of very slightly altered granite gneiss.

The ore is silicified granite gneiss cut by subparallel branching stringers of blue-gray cherty silica, commonly one-fourth to one-half inch wide but reaching 4 to 6 inches in a few localities, where they are apt to inclose a drusy central cavity. On the first level in the stope east of the shaft one of the "flats" crossing the drift shows successive depositions of a thin film of dark-gray cherty silica in small disconnected patches, a film of violet-colored fluorite, one-eighth inch in maximum thickness, and a coating over all of one-eighth to one-fourth inch of ferruginous calcite. That the fluorite and calcite were deposited in open cavities is shown by their drusy surfaces.

The gangue minerals are frozen to the granite gneiss, but there is in most places a tight parting between adjacent layers of the cherty silica near the walls. A very minor amount of fine pyrite accompanied the silica, but it is more abundantly disseminated in the adjacent wall rock than in the veins proper. The gold is largely native and in tellurides (found thus far only to a depth of 126 feet) and is largely confined to the stope at the shaft and the small flat stope in the east 76-foot level. The native gold occurs as irregular films on joint planes near the flat vein and as stringers up to one-fourth inch wide cutting brown-stained altered granite gneiss. The telluride is silver colored and is found to contain about equal amounts of gold and silver, being near sylvanite in composition. Tellurides are not nearly so abundant as native gold, but the two occur in the same manner and in close association with each other.

Only two localities show postmineral movement. On the 126-foot level, 115 feet east of the shaft, a nearly vertical fault striking northwest has displaced the vein bringing the east side down about 2 feet. What is probably the same fault is seen in the 76-foot level, but here it cuts the vertical vein, and neither the direction nor amount of displacement can be determined.

The ore, where rich enough to mine, is generally of bonanza grade, and the work is done entirely by hand in order to break only the good ground. The ore that has been shipped varies exceedingly in value. Some of it carried as high as 12 ounces gold per ton, though most of it seems to carry one-half to 1½ ounces. Small specimens run higher. The silver varies from one-half ounce to 50 ounces per ton. Some ore, low in gold, carries high silver, and the ore carrying the most gold had only 3 ounces of silver per ton. There seems to be no regular relation between the amounts of gold and silver present, ratio of gold to silver by weight ranging from 1:1½ to 1:16.

The total production of the mine is estimated to be at least $30,000.

IDAHO TUNNEL.

The Idaho tunnel, whose portal is in Boomerang Gulch at an elevation of approximately 8,250 feet, extends north-northeast under Seaton Mountain. The veins are shown in figure 58, to which the letters used below correspond.

A. A nearly vertical fracture zone 2 to 4 inches wide, lying about parallel to the foliation of the schist wall rock. In most places it is barren of mineral but in one place shows 1½ inches of light-gray quartz carrying pyrite.

B. A vein showing 1 to 3 inches of galena, sphalerite, and white quartz.

C. Several small veins carrying 1 to 2 inches of gray quartz and pyrite.

D. A tight veinlet, one-half to 3 inches wide, of galena, sphalerite, and subordinate pyrite.

E. Not a distinct vein; a few small stringers of galena and sphalerite traversing the monzonite porphyry.

F. A vein in one place about 10 inches wide, the upper 5 inches being nearly solid galena, sphalerite, and very subordinate pyrite, and

the lower 5 inches silicified schist and pegmatite carrying some disseminated pyrite and a few very narrow pyrite stringers. In places the

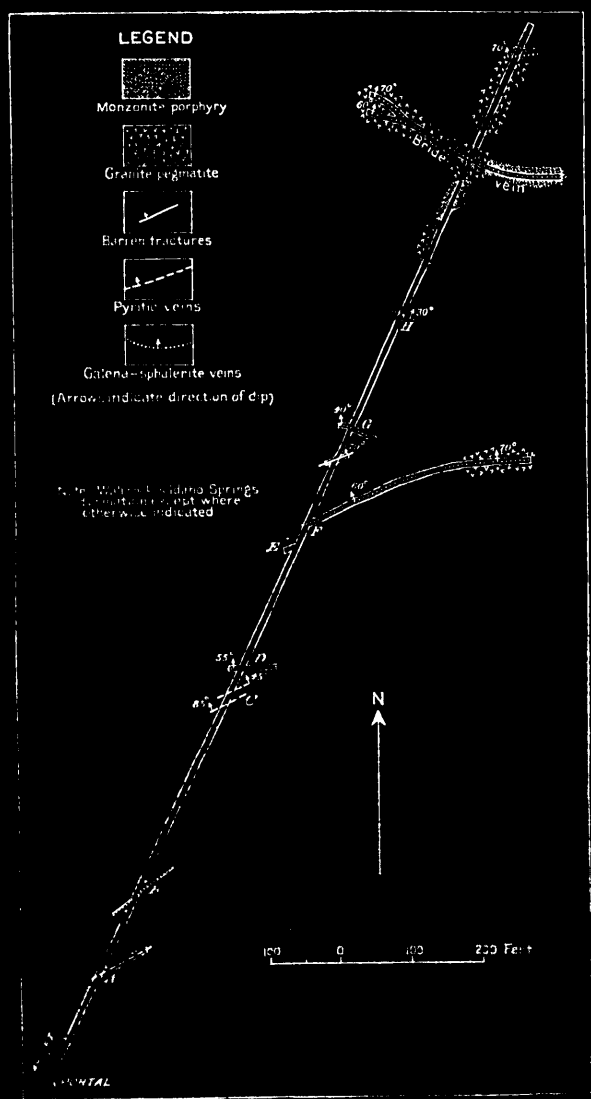


FIGURE 58.—Geologic plan of Idaho tunnel. Surveyed by hand compass and pacing.

vein has a total width as great as 2 feet and includes several galena-sphalerite veinlets. It appears to be the westward continuation of the Seaton vein. It has been stoped to some extent.

G. About 4 inches of somewhat silicified schist, which carries disseminated pyrite and is traversed by several subparallel stringers of galena and sphalerite not more than one-half inch in width. It lies parallel to the foliation of the schist.

H. A ½-inch veinlet of galena, sphalerite, and pyrite, bordered on the hanging-wall side by 2 inches of gouge carrying some crushed sulphides.

The Bride vein is the principal vein cut by the tunnel. To the east of the tunnel its wall rock is monzonite porphyry and to the west granite-pegmatite; the vein is strong in both rocks. In a stope 25 feet above the drift and 130 feet east of the line of the tunnel the vein varied from 4 inches to 1½ feet in width and was made up of a number of narrow subparallel veinlets of galena, sphalerite, and pyrite cutting altered monzonite porphyry. One of the most heavily mineralized portions of the vein is exposed in a stope about 40 feet west of the line of the tunnel, where it is 2 feet in width and consists of a network of subparallel veinlets of solid galena, sphalerite, pyrite, and rarely a little chalcopyrite. Some of the sphalerite is resinous, though apparently original and contemporaneous with the more abundant darker variety. Minute fractures in the ore are coated by a varicolored film, probably of bornite, and by very minute crystals of chalcopyrite. These are plainly secondary depositions, probably from surface waters descending along the vein. In one place there is a width of 1 foot of solid sulphides, parts of which are coarsely crystallized with single crystals three-fourths to 1 inch in diameter.

On account of the high percentage of sphalerite present the ore from this vein is concentrated before shipment to the smelter, the ratio of concentration being about 1 to 3 or 4. The following sampling-works assays of different types of concentrates from shipments in 1911 give an idea of the metallic content:

Sampling-works assays of ore from the Bride vein in the Idaho tunnel.

	Gold.	Silver.	Copper (wet).	Lead.	Zinc.	Silica.	Iron.
	Ounces.	*Ounces.*	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*
Pyritic concentrate	0.31	11.90	.....	3.00	8.50	21.10	.....
	.59	25.70	2.60	6.10	9.50	51.00	.....
	.49	25.10	2.35	6.70	21.50	16.00	.....
Sphalerite concentrate	.47	24.50	2.70	8.20	23.75	18.00	.....
	.42	23.00	2.40	7.40	23.10	16.00	.....
Galena concentrate	.56	21.80	1.80	45.10	7.00	4.00	13
	.565	21.20	.....	34.30	7.00	5.00	20

Clear Creek County
Recorded 6 Jan 66 Bk 294
#30614 Reception Pgs 581-582-583

No. 90B. MINING LEASE AND OPTION—Short Form.
—Bradford-Robinson Ptg. Co., Mfrs. Robinson's Legal Blanks, 1824-46 Stout St., Denver, Colorado

THIS INDENTURE, Made this FIFTH day of JANUARY in the year of our Lord one thousand nine hundred and SIXTY-SIX between GILL MINING CO., 2081 IVY STREET, DENVER, COLORADO

of the first part, and BERNE, INC., A COLORADO CORPORATION
65 SOUTH GLENCOE STREET, DENVER, COLORADO

of the second part, WITNESSETH, that the said party of the first part, for and in consideration of the rents, covenants and agreements hereinafter expressed to be paid, kept and performed by the said parties of the second part, has leased, let and demised, and by these presents does lease, let and demise unto the said parties of the second part, the following described premises, situate, lying and being in IDAHO Mining District, in the County of CLEAR CREEK and State of COLORADO, to-wit:

THE BRIGHTON NO. 2 LODE MINING CLAIM, SURVEY LOT NO. 6028
THE C J LODE MINING CLAIM. SURVEY LOT NO. 17138
THE WEST 750 FEET OF THE MARTHA LODE MINING CLAIM, SURVEY LOT NO. 1348
ALL GRANTOR'S INTEREST IN THE LUCERNE ANNEX LODE MINING CLAIM SURVEY LOT NO. 1257
TOGETHER WITH THE RIGHT TO USE ON SAID PREMISES DURING THE LIFE OF THIS LEASE ALL MINING MACHINERY AND EQUIPMENT NOW ON SAID PREMISES.

OFFICIAL COPY
O. M. E.
RECEIVED
APR 27 1966
INITIALS | CODE

TO HAVE AND TO HOLD THE SAME, for the purpose of mining, for the term of TEN YEARS from the date hereof, unless sooner terminated under any of the provisions herein contained, with NO power to assign this lease or any interest thereunder, or to sublet the whole or any part of said premises except upon the written consent of the party of the first part.

And the said parties of the second part, for and in consideration of the leasing of said premises, covenant and agree with said party of the first part to commence work on said premises ON OR BEFORE APRIL 1, 1966 and thereafter to work the same continuously, in a thorough and workmanlike manner, employing at least TWO men underground,

and working at least 120 MAN DAYS PER YEAR ~~six each calendar month~~; to keep the same securely timbered, drained and clear of loose rock and rubbish; to keep accurate accounts, and to render statements to said party of the first part, its agent or attorney, showing the amount and character of work done, and to pay to said party of the first part, its agent or attorney, as rental for said premises royalty upon all ore taken and sold therefrom as follows, to-wit: RENTAL ON MACHINERY AND EQUIPMENT NOW ON THE PREMISES, WHICH LESSEE IS PRIVILEGED TO USE, PROVIDED LESSEE SHALL KEEP THE SAME IN GOOD CONDITION, ORDINARY WEAR AND TEAR EXCEPTED, AT RATE OF $1.00 PER MONTH, PAYABLE MONTLY COMMENCING APRIL 1, 1966.

AS ROYALTY LESSEE AGREES TO PAY 12½% OF THE NET RETURNS FROM THE SALE OF ORES, CONCENTRATES OR ORE PRODUCTS SHIPPED TO ANY MILL, AND LESSEE AGREES TO PAY TO LESSOR A 12½% ROYALTY ON THE NET RETURNS ON ALL ORES, CONCENTRATES OR ORE PRODUCTS SHIPPED DIRECTLY TO ANY SMELTER. THE PHRASE "NET RETURNS" AS HEREIN USED IS DEFINED TO BE THE AMOUNT RECEIVED FROM THE SALE OF ALL ORES, CONCENTRATES, OR ORE PRODUCTS AFTER DEDUCTING SURFACE HAULING, RAILWAY FREIGHT, SAMPLING AND SMELTER CHARGES.

And it is expressly understood and agreed by and between the parties hereto, that the said party of the first part reserves the property and right of property in and to all ores extracted from said premises during the term hereof, and that all settlements for royalty shall be made upon the assay value of the mineral in the ore that may be taken from said premises less the actual cost of railroad transportation and treatment; and the sampling works, mill, smelter, or ore buyer purchasing any such ore shall retain the amount of royalty herein stated and shall pay the same to the party of the first part at each settlement for ore purchased. LESSEE COVENANTS AND AGREES TO OBTAIN AND KEEP IN FORCE ADEQUATE WORKMEN'S COMPENSATION INSURANCE COVERING ALL EMPLOYEES IN AND ABOUT SAID PROPERTY, AND SHALL PROMPTLY PAY AND DISCHARGE ALL WORKMEN'S COMPENSATION PREMIUMS AS THE SAME SHALL BECOME DUE AND PAYABLE. LESSEE COVENANTS AND AGREES TO PAY ALL ASSESSMENTS FOR SOCIAL SECURITY AND UNEMPLOYMENT COMPENSATION. ALL RAILS AND PIPE PLACED ON SAID DEMISED PREMISES BY LESSEE SHALL, UPON TERMINATION OF THIS LEASE, BECOME PROPERTY OF THE LESSOR.

And the said party of the second part furthermore covenants and agrees that the said party of the first part its agent or attorney, shall have the right at any and all times to enter upon and descend into any and all parts of said premises to inspect the same, make surveys thereof, or take samples therefrom, and that the said party of the second part will render to FIRST PARTY all the assistance in its power in so doing. And the said party of the second part furthermore covenants and agrees to occupy and hold all side veins, spurs, feeders, cross-lodes, parallel lodes, or mineral deposits of any kind which may be discovered by the said party of the second part or by any person working under it in any manner, by working within or from the aforesaid premises, as the property of the said party of the first part and as part of the premises demised, and to not allow any person not in privity with the parties hereto to take or hold possession of said premises or any part thereof under any pretense whatever, and to pay in due season all taxes and assessments levied against said demised premises on account of the production of ore under this lease, FIRST PARTY, LESSOR, AGREES TO PAY AND DISCHARGE ALL REAL PROPERTY TAXES BECOMING DUE ON THE DEMISED PREMISES DURING THE TERM OF THE LEASE AND SECOND PARTY, LESSEE, AGREES TO PAY ALL PRODUCTION TAXES OR ASSESSMENTS, TAXES THAT ARE LEVIED, CREATED OR ASSESSED BECAUSE OF THE PRODUCTION AND REMOVAL OF ORE.

LESSEE AGREES TO INDEMNIFY AND SAVE HARMLESS THE LESSOR FROM ANY AND ALL LIABILITY FOR ANY ACCIDENT, INJURY OR LOSS TO ANY PROPERTY, OR TO ANY PARTY OR PARTIES WHATSOEVER, ARISING OUT OF, OR INCURRED IN CONNECTION WITH THE OPERATION OR MINING OF THE DEMISED PREMISES FOR ANY REASON WHATSOEVER.

agent or attorney, to declare said term ended, and with or without process of law to enter upon and take possession of said premises, and in such case, and also at the expiration of this lease by limitation, said part.Y...of the second part agrees....to surrender, yield and deliver to the said part.Y...of the first part quiet and peaceable possession of said premises in good condition, and that time shall be of the essence hereof, and that all the covenants and agreements herein contained shall extend to and be binding upon the heirs, executors, administrators, successors and lawful assigns of the respective parties hereto.

IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT IN THE EVENT OF THE FAILURE OF THE LESSEE TO PERFORM ANY OF THE COVENANTS AND AGREEMENTS HEREIN CONTAINED, NOTICE OF SAID FAILURE SHALL BE GIVEN BY THE LESSOR TO THE LESSEE BY REGISTERED MAIL AT 65 SOUTH GLENCOE STREET, DENVER, COLORADO, AND LESSEE SHALL BE GIVEN FIFTEEN (15) DAYS THEREAFTER TO CORRECT SUCH FAILURE, AND IN THE EVENT LESSEE FAILS TO CORRECT THE DEFAULTS, THE LESSOR MAY PROCEED TO FORFEIT THIS LEASE AND OPTION AS PROVIDED HEREIN.

And in consideration of the part..Y.....of the second part having fully complied with all of the terms and provisions hereof, the said part..Y....of the second part is hereby given the right to ~~purchase said~~ RENEW THIS ~~property for the sum of~~ LEASE ON THE SAME TERMS AND CONDITIONS AS SET FORTH HEREIN FOR ONE ADDITIONAL TEN-YEAR PERIOD AT THE ELECTION OF SECOND ~~PARTY, LESSEE, Dollars payable as follows~~ PARTY, LESSEE, NOTICE IN WRITING OF RENEWAL DELIVERED TO FIRST PARTY, LESSOR, SIX MONTHS PRIOR TO TERMINATION OF ORIGINAL TERM OF LEASE.

~~and all royalties that are received by the party of the first part hereunder are to be applied upon the said purchase price and upon payment in full the party of the first part will make, execute, acknowledge and deliver a good and sufficient conveying said property to the party of the second party free and clear of all encumbrances except as shown by abstracts of title therefor to be furnished by the party of the first part to the party of the second part.~~ In the event that this lease be forfeited, surrendered or terminated for any cause, the right to ~~purchase~~ RENEW OR EXTEND THIS LEASE shall thereafter cease and if the part..Y.... of the second part does not make payment as hereinbefore mentioned at or before the time when the same ought to be made according to the terms hereof, the part.Y....of the first part may at any time after such failure to pay declare this lease and option forfeited and terminated, ~~and shall have the right to retain any and all payments that may be made thereunder as liquidated damages.~~

IN WITNESS WHEREOF, The parties hereto have executed these presents the day and year first above written.

GILL MINING CO. [SEAL]

BY: C. A. Stanton [SEAL]
C. A. STANTON, PRESIDENT AND SOLE SURVIVING DIRECTOR

[SEAL]

BERNE, INC. [SEAL]

BY: Charles Weinberg [SEAL]
CHARLES WEINBERG, PRESIDENT

[SEAL]

FORM C-247
5M—7-51—15843

AMERICAN SMELTING AND REFINING CO.

ARKANSAS VALLEY PLANT

LEADVILLE, COLO., Nov 21, 1951

BOUGHT OF Paul Disk (Brighton Mine) (952)

LOT NO. { SMELTER 2196 / MINE 1

ADDRESS

CLASS Cls.

SHIPPING POINT Mine Pile, Colo.

QUOTATIONS OF 10/29-11/3/51 SILVER .9000 LEAD 19.00 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	IRON PER CENT	MANGANESE PER CENT	LIME PER CENT	ZINC PER CENT	SULPHUR PER CENT
A. S. & R. CO.										
SHIPPER										
UMPIRE										
SETTLEMENT ASSAY	0.21	13.7	37.5	0.9	7.6	22.7			12.7	35.7

CAR INITIAL	NUMBER	WEIGHT	FROZEN WT.
AV	172	32380	

PAYMENTS PER TON			DEDUCTIONS PER TON	
GOLD 31.81925	@	0.65	BASE CHARGE	9.000
SILVER Less 0.0	@	11.43	INSOLUBLE	
LEAD, LESS 5.000 @ 3.356	PER UNIT	16.76	ZINC	1.42
COPPER, LESS	@ PER UNIT		SULPHUR	2.555
GROSS VALUE OF METALS		66.87	EXCESS VALUE	
			IRON CREDIT	.755
			LIME CREDIT	
			LEAD ~~ZINC~~ DR	.260
LESS TOTAL DEDUCTIONS		12.21	TOTAL DEDUCTIONS	12.225

WEIGHT OF LOT 32380

WEIGHT OF SACKS

WET WEIGHT

LESS MOISTURE 6.6 %

DRY WEIGHT 30243 @ $ 54.66 PER TON $ 823.52

DATE LOT RECEIVED 11/1/51

FREIGHT ADVANCED @

FEDERAL TRANSPORTATION TAX

MOISTURE

SAMPLING

FROZEN ORE

UMPIRE

SWITCHING & FEDERAL TRANS. TAX 9.50

HAULING & TRANSPORTATION TAX

ROYALTY

Milling Silver Square Gold Mining Co 813.62

THIS LOT CONTAINS 207 OZS. OF SILVER

CORRECT RB

CHECKED JB

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE.

NET PROCEEDS $ [redacted]

Ex. A

OFFICIAL COPY O. M. E. RECEIVED APR 27 1966 INITIALS CODE

FORM C-247
5M—7-51—15843

AMERICAN SMELTING AND REFINING CO.

ARKANSAS VALLEY PLANT

LEADVILLE, COLO. July 17, 1952

BOUGHT OF Bagley & Schumaker Engineering Co. (Brighton) LOT NO. SMELTER 3733 MINE 2

ADDRESS (962) CLASS Cts. SHIPPING POINT Idaho Spgs, Colo.

QUOTATIONS OF 6/30-7/5/52 SILVER .90 LEAD 16.00 COPPER 24.075

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	IRON PER CENT	MANGANESE PER CENT	LIME PER CENT	ZINC PER CENT	SULPHUR PER CENT
A. S. & R. CO.	0.61	17.1	23.5							
SHIPPER	0.63	17.45	23.7							
UMPIRE										
SETTLEMENT ASSAY	0.62	17.275	23.6	1.7	5.0	22.7	1.0		8.9	9

CAR INITIAL	NUMBER	WEIGHT	FROZEN WT.
AV	131	13760	

PAYMENTS PER TON		DEDUCTIONS PER TON	
GOLD 31.81925 @	19.72	BASE CHARGE	9.750
SILVER Less 10oz. @	14.65	INSOL. Dr.	.500
LEAD, LESS 5.00 @ 2.756 UNIT	55.21	ZINC	.270
COPPER, LESS @ 3.416 UNIT	2.39	SULPHUR	2.500
GROSS VALUE OF METALS	91.97	EXCESS VALUE	
		IRON CREDIT	.885
		LIME CREDIT	
		LEAD CR OVER	.360
LESS TOTAL DEDUCTIONS	11.77	TOTAL DEDUCTIONS	11.775

WEIGHT OF LOT 13760

WEIGHT OF SACKS

WET WEIGHT

LESS MOISTURE 5.3 %

DRY WEIGHT 13031 @ $ 80.20 PER TON $ 522.54

DATE LOT RECEIVED 6/30/52

FREIGHT ADVANCED, @

FEDERAL TRANSPORTATION TAX

MOISTURE

SAMPLING

FROZEN ORE

UMPIRE

SWITCHING & FEDERAL TRANS. TAX 5.25

HAULING & TRANSPORTATION TAX 5.00 Dave Kingery 35.43

ROYALTY

Hauling Crude Dave Kingery 19.86

Milling & Sampling Front Range Mines Inc., 462.00

THIS LOT CONTAINS 113 OZS. OF SILVER

CORRECT GR

CHECKED JG

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE.

NET PROCEEDS

EX. O

FORM 289 30M 11-63

INTERNATIONAL SMELTING AND REFINING COMPANY

TOOELE PLANT

ASSAY CERTIFICATE

DATE SAMPLED Oct 22 19 65

NAME Berne 1 Drum

CLASS Crude SMELTER LOT I-3657 MINE LOT 2 DATE Oct 26 19 65

PER CENT COPPER	PER CENT LEAD	PER TON OF 2000 POUNDS OZS. SILVER	OZS. GOLD	PER CENT INSOL.	PER CENT FE	PER CENT S	PER CENT CAO	PER CENT ZN	PER CENT AS	PER CENT SB	PER CENT BI	PER CENT CD	PER CENT
1.6	16.6	22.65	.35	37.8	6.5	19.2	Tr	17.6	.45	.30			

Donald D. Kuester

CHIEF CHEMIST

FORM 289 30M 11-63

INTERNATIONAL SMELTING AND REFINING COMPANY

TOOELE PLANT

ASSAY CERTIFICATE

DATE SAMPLED Oct 22 19 65

NAME Berne 1 Drum

CLASS Crude SMELTER LOT I-3658 MINE LOT 3 DATE Oct 26 19 65

PER CENT COPPER	PER CENT LEAD	PER TON OF 2000 POUNDS OZS. SILVER	OZS. GOLD	PER CENT INSOL.	PER CENT FE	PER CENT S	PER CENT CAO	PER CENT ZN	PER CENT AS	PER CENT SB	PER CENT BI	PER CENT CD	PER CENT
1.8	18.6	21.26	.295	35.6	6.3	19.0	Tr	16.5	.65	.34			

Donald D. Kuester

CHIEF CHEMIST

Ex. P

2114 CURTIS STREET

TELEPHONE MAin 1852

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 2, COLORADO

Folio 6234

Date July 21, 1954.

Dr. F. C. Metz,

C. J

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
C.J.	1.96	17.64		46.87				

20,00
70,00
135.0
225.00

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit

Charge $

CHARLES O. PARKER & CO.

CHEMISTS, ASSAYERS and ENGINEERS

FORM 289 30M 11-63

INTERNATIONAL SMELTING AND REFINING COMPANY

TOOELE PLANT

ASSAY CERTIFICATE

DATE SAMPLED Oct 16 1965

NAME Berne Inc. 1 Drum

CLASS Crude SMELTER LOT I-3656 MINE LOT 1 DATE Oct 21 1965

PER CENT COPPER	PER CENT LEAD	PER TON OF 2000 POUNDS OZS. SILVER	OZS. GOLD	PER CENT INSOL.	PER CENT FE	PER CENT S	PER CENT CAO	PER CENT ZN	PER CENT AS	PER CENT SB	PER CENT BI	PER CENT CD	PER CENT
1.8	17.0	15.54	.26	38.2	7.0	18.8	Tr	15.0	.55	.20			

4th July Contiguous

EX. R

HEADQUARTERS
AIR RESERVE RECORDS CENTER (CONAC)
United States Air Force
3800 York Street
Denver, Colorado 80205

RESERVE ORDERS 16 NOV 65

NUMBER NA-009117

LTC WEINBERG CHARLES W FV0736920

65 S GLENCOE ST

DENVER, CO 80200

MOB & DAFSC OF ABOVE NAMED OFFICER, RESERVE SECTION MM, ASSIGNED TO 9630 AIR RESERVE SQ

DENVER, COLO

IS CHANGED AS INDICATED BELOW:

MOB AFSC	NEW MOB & DUTY AFSC
	5511
STAFF CIVIL ENGINEER	STAFF CIVIL ENGINEER

AUTHORITY AFR 35-1 & 36-1

AIR RESERVE PERSONNEL CENTER · CONAC · OFFICIAL

FOR THE COMMANDER

R. P. LOCKE, LT COL, USAF

DIRECTOR OF ADMINISTRATIVE SERVICES

DISTRIBUTION

NA

EX. ZED

CHATTEL MORTGAGE

KNOW ALL MEN BY THESE PRESENTS, That I, we, or either of us hereinafter called the Mortgagor, have given to the METROPOLITAN STATE BANK, Commerce, City, Colo., hereinafter termed Mortgagee, my (our promissory note of even date herewith in the sum of $.....) (the principal and interest of said note being payable in accordance with the terms thereof, the principal of the last installment of said note being due .....). To secure payment of said note, (I, we, or either of us, transfer, sell, assign and mortgage unto the said Mortgagee, the following described property complete with all accessories now or hereafter installed, to be kept at..... in the City and/or County of....., State of Colorado:

Year	Model	Make of Auto	Type of Body	Serial No.	Motor No.

All of my equipment consisting principally of the following:

1 Used Oliver Cletrac Model A.D., tractor with ware front end hyloader, serial # 7200L
1 Used Buffalo Springfield 5-8 Ton Tandem Roller HAN # 3561
1 Admum Asphalt Lay Day # 1630, with Herculos Motor # 764486
1 D-6 Caterpillar 15R3
1 RD 7 Caterpillar, series # 99, serial #99, complete with hydralic scraper
1 3 T 1912 S.P. Caterpillar with CC unit and Dozer
1 Gallion 101 Road Maintainer S 621425H
1 Oliver 99 Large Tractor
1 Ford M Farm Tractor

" And also any and all of the mortgagors personal property, not specifically enumerated or listed heron, how, and hereafter located in or upon the premises described or any part thereof and or used, stored or kept in connection with mortgagor's business and any or all personal property of like kind and character, hereafter acquired by mortgagor and used or placed in or upon the premises of the mortgagors and elsewhere and all replacements, additions, and substitutes thereof.

Exhibit Zed

Mortgagor covenants that he is the owner of the above property free and clear of mortgages. Upon payment of the above indebtedness this mortgage to be void and of no further effect.

Until default is made in the payment of said note, or breach of any covenant herein, it shall be lawful for the undersigned mortgagor to retain possession of said property and use and enjoy the same, but in the case of default in the payment of the installments aforesaid, or any part of them, or if mortgagor shall sell or assign, or attempt to sell or assign, said property or any interest therein, or if mortgagor shall remove, or attempt to remove, said property from the County and State in which mortgagor now resides, or if said property shall be otherwise disposed of or encumbered or misused or abused or concealed from inspection by mortgagee; or should said property be used to carry passengers for hire or used in violation of any statute or ordinance, or whenever mortgagee shall deem the debt insecure or unsafe, or if mortgagor shall fail to perform any of the other terms, covenants and conditions herein contained; then and in any of the aforesaid cases, said indebtedness shall without notice become due and payable at once in full, and mortgagor agrees in any such case to deliver said property to mortgagee, and further agrees that mortgagee shall have the right to take immediate possession of said property and, as custodian, of anything found therein, and for that purpose may pursue said property wherever the same may be found, and with or without legal process, and with or without force, may enter any premises where said property may be found, and take possession thereof, and remove the same to such other place as it may be deemed most convenient and for such time as may be deemed best at the risk and expense of the mortgagor, and sell and dispose of the same, with or without notice, at private or public sale, mortgagee reserving the right to purchase at the said sale; out of the moneys arising from said sale there shall first be paid the expenses of such seizure, holding, maintaining, removing, repairing and sale, including a reasonable attorney's fee; second, all sums then unpaid on said indebtedness are to be paid, and the surplus, if any, is to be applied to any other indebtedness then owing to the mortgagee by the mortgagor, and any further surplus is to be paid to the mortgagor. If the proceeds of said sale be insufficient to pay such charges, expenses and repairs and attorney's fees, and unpaid balance on said indebtedness, mortgagor agrees to pay the deficiency.

Mortgagor agrees to send notice by registered mail to mortgagee within 24 hours after repossession if mortgagor claims any articles not included herein were contained in or attached to said property at the time of the repossession, and agrees that failure to give such notice shall be a bar to any subsequent claim therefor. Acceptance of any payments after maturity, or waiver or condonation of any breach or default shall not constitute a waiver of any other subsequent breach or default, and mortgagor waives all exemptions and homestead laws.

Mortgagor agrees that during the continuance of said indebtedness that he will keep said property insured against such hazards, and in such company or companies as the mortgagee from time to time may direct and in amount suitable to the mortgagee, with loss, if any, payable to the mortgagee hereunder as further security for the indebtedness aforesaid; and in case of the refusal or neglect of the mortgagor to insure and deliver policies of insurance to the mortgagee, mortgagee may, at its option, procure such insurance and the costs thereof shall be so much additional indebtedness secured by this mortgage.

It is agreed that every covenant herein shall be binding upon the heirs, legal representatives, successors and assigns of the parties hereof and that the term mortgagor shall include the plural as well as the singular and the appropriate gender although masculine is used herein.

IN WITNESS WHEREOF, this mortgage is executed this..... day of..... A. D., 19.....

STATE OF COLORADO
County of ..... } ss.

The foregoing instrument was acknowledged before me this..... day of..... A. D., 19.....

by..... Mortgagor(s).

My commission expires..... A. D., 19.....

Witness my hand and official seal.

Notary Public.

ROBERT D. SQUIRES CO., DENVER

Form 52's

3 for all signed

2 in our file.

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090 –
Contract Date

LIEN AND SUBORDINATION AGREEMENTS[1]

To the United States of America:

That certain land in the County of Clear Creek, State of Colorado, described as follows:[2] Brighton #2 Lode Mining Claim Survey Lot #6028
C. J. Lode Mining Claim Survey Lot #17138
West 750' of the Martha Lode Mining Claim Survey Lot #1257
All Grantors Interest in Lucerne Annex Lode Mining Claim Survey Lot #1348

hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and Denver Colo[3] hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned: Berne Inc. 65 So Glencoe

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same.[4]

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.) None

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book_____, Page____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions See Annex # A (State "None" or "See Annex No.____".)

Dated this 5th day of January, 1966

Gill Mining Co E.A. Stanton Pres	(Seal)	2081 Ivy St Denver Colo (Street, City & State)
	(Seal)	(Street, City & State) NONE
Berne Inc Charles D Reinberg Pres.	(Seal)	65 So Glencoe Denver Colo (Street, City & State)
	(Seal)	(Street, City & State)
	(Seal)	(Street, City & State)
	(Seal)	(Street, City & State)

I, _____ (Name), certify that I am the _____ (Title—Secretary, etc.) of the corporation named herein; that _____ (Name), who signed this agreement was then _____ (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ (Corporate Seal)

Annex # A. Berne, Inc. Has Leased From Gill Mining Co. 4 Claims Recorded In Clear Creek County Records, Reception Number 30614 Book Number 247 Pages 581-582-583 Dated 6, Jan. 66.

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090 –
Contract Date

LIEN AND SUBORDINATION AGREEMENTS 1/

To the United States of America:

That certain land in the County of Clear Creek State of Colorado described as follows: 2/ Brighton #2 Lode Mining Claim Survey Lot #6028
C. J. Lode Mining Claim Survey Lot #17138
West 750' of the Martha Lode Mining Claim Survey Lot #1257
All Grantors Interest in Lucerne Annex Lode Mining Claim Survey Lot #1348

hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and Denver Colo 3/ hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned: Berne Inc. 65 So Glencoe

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same. 4/

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.) None

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book_____, Page____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions See Annex # A (State "None" or "See Annex No.____".)

Dated this 5th day of January, 1966.

Gill Mining Co E A Stanton Pres (Seal)	2081 Ivy St Denver Colo	(Street) (City &) (State)
(Seal)		(Street) (City &) (State)
Berne, Inc. Charles W Weinberg (Seal) Pres.	65 So Glencoe Denver, Colo	(Street) (City &) (State)
(Seal)		(Street) (City &) (State)
(Seal)		(Street) (City &) (State)
(Seal)		(Street) (City &) (State)

I, _____ (Name), certify that I am the _____ (Title—Secretary, etc.) of the corporation named herein; that _____ (Name), who signed this agreement was then _____ (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ (Corporate Seal)

Annex # A. Berne, Inc. Has Leased From Gill Mining Co. 4 claims Recorded In Clear Creek County Records, Reception Number 30614 Book Number 291 Pages 581-582-583 Dated 6, Jan. 66.

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090 –
Contract Date

LIEN AND SUBORDINATION AGREEMENTS 1/

To the United States of America:

That certain land in the County of Clear Creek, State of Colorado, described as follows: 2/ Brighton #2 Lode Mining Claim Survey Lot #6028
C. J. Lode Mining Claim Survey Lot #1738
West 750' of the Martha Lode Mining Claim Survey Lot #1257
All Grantors Interest in Lucerne Annex Lode Mining Claim Survey Lot #1348

hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and Denver Colo 3/ hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned: Berne Inc. 65 So. Glencoe

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same. 4/

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.) None

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated_____, and recorded in Book_____, Page____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions See Annex # A (State "None" or "See Annex No.____".)

Dated this 5 day of January, 1966.

Gill Mining Co. E A Stanton Pres. (Seal)	2081 Ivy St (Street) Denver, Colo (City & State)	
(Seal)	(Street) (City & State)	
Berne Inc Charles H Wenley Pres (Seal)	65 So Glencoe (Street) Denver, Colo (City & State)	
(Seal)	(Street) (City & State)	
(Seal)	(Street) (City & State)	
(Seal)	(Street) (City & State)	

I, _____ (Name), certify that I am the _____ (Title—Secretary, etc.) of the corporation named herein; that _____ (Name), who signed this agreement was then _____ (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ (Corporate Seal)

Annex # A. Berne, Inc. Has Leased From Gill Mining Co. 4 Claims Recorded In Clear Creek County Records, Reception Number 30614 Book Number 291 Pages 581-582-583 Dated 6, Jan. 66.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/28	RMSmith	120 S
6/28/66	Kirkham	120 K
"	Johnson	110
7/25	Kilsgaard	
6/30	Jewett	

AIRMAIL

JUL 1 1966

Berne, Inc.
65 South Glencoe Street
Denver 22, Colorado

Re: GME-6552 (Silver-Gold)
Berne, Inc.
Brighton No. 2, et al., Claims
Clear Creek County, Colorado

Gentlemen:

Careful study of your application for financial assistance in exploring the referenced claims and of other information available to us indicates that the probability of disclosing significant silver-gold ore reserves on the property is not sufficiently promising to justify Government assistance in the proposed exploration. Accordingly, we regret to inform you that your application for exploration assistance is denied.

We regret the necessity of taking such action which, however, is taken without prejudice to your property. If in the future you do preliminary work which reveals evidence that could materially alter this decision, we shall be pleased to consider a new application.

Sincerely yours,

FRANK E. JOHNSON (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Region III w/cy of note on Appl's map rec. 6/21/66 and cy of Justification for Denial
130
Smith

RMSmith/mm (6/27/66)

23263

Form 7
(/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/27	RMSmith	
6/28/66	Kilkenny	

June 27, 1966

Memorandum

To: The File

From: R. M. Smith

Subject: OME-6552 (Silver-Gold)
Berne, Inc.
Brighton No. 2, et al., Claims
Clear Creek County, Colorado

Justification for Denial of Application

This incomplete application for a $350,000.00 project is almost totally lacking in relevant information. The Applicant's replies to four successive requests for information finally revealed that most of the original project was to be done on land belonging to someone else.

The proposed project was revised with each reply. The third revised project consists of 640 feet of shaft and drift rehabilitation, 300 feet of sinking, and 2,225 feet of drilling on three levels at a cost of $211,875.00. The drifting is to be along the centerlines of four fractional claims which intersect to form a single irregular block of ground of 10 acres or less. It is not clear whether or not there is a vein along each centerline, but a vein intersection is mentioned as a possible target. Although several veins are mentioned as well as several tunnels and levels, their locations are not illustrated or described. A map showing the relation of the veins and old workings to the property lines has not been submitted.

Four claims each 150 feet wide and 1,500 feet long are included in the application but about a fourth of the claim area is covered by prior claims leaving only 12.488 acres in two or more non-contiguous fractions owned by the Applicant.

Two smelter settlement sheets identified as Brighton Mine (1951) and Brighton (1952) suggest that the total production is 23.1 tons assaying as follows:

	Au	Ag	Cu	Pb	Zn
16.19 tons	0.21	13.7	0.9	17.5	12.7
6.88 tons	0.62	17.3	1.7	23.6	8.9

One sample from the Brighton "mine" assayed 0.06 oz. Au and 0.7 oz. Ag per ton, and six samples of dumps somewhere "in this area" averaged 0.06 oz. Au, 3 oz. Ag, 4% Pb, and 5% Zn. The only description of the Brighton vein is that it ". . . must run the length of the claim from 2 to 4 feet wide . . . of sulphides of lead and zinc."

The Applicant's reason for expecting to find ore appears to be that other veins which surround the Brighton like a horseshoe have yielded ore in the past. Four of these, the Seaton, Casino, Trojan, and Tropic veins were the subject of an application (OME-6475) which was denied without prejudice because two-thirds of the values are in base metals and additional evidence is required to indicate the possibility of a large tonnage containing correspondingly large reserves of silver and gold.

The Applicant has persistently given irrelevant or incomplete answers to oral requests by the Field Officer and to our written requests for factual information. He evidently ignored our suggestion to obtain professional help with his application and his competence to conduct an exploration project is supported by a vast experience in building construction.

The OME Field Officer recommended orally that the application be denied without prejudice and without a field examination on the grounds that the principal values are in the base metals and that there is insufficient evidence of specific targets or significant amounts of silver and gold. I concur in the recommendation.

R M Smith

R. M. Smith

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Region III
Smith

RMSmith/mm (6/27/66)

The following is a letter written by the Applicant on a map received June 21, 1966.

OME 6552 Au-Ag

To: Frank E. Johnson
Chief, Office of Minerals Exploration
Washington 25, D. C.

From: Berne Inc.
65 So Glencoe
Denver 22, Colo.

20 June 66

Re yours 13, June 66

Bibliography: Mineral Reeources of Colo - Vanderwilt

1. To drive to 700' about 1/2 1500' of known Mineralization of Area -- Note Shearing Beginning at 380' Level of Brighton

2. To drive from Brighton to C. J. where a junture of two Veins Should be especially Enriched.

3. Gelena-spalerite ores range between 0.15 to 3 oz Au & Ag between 5.50 & 40 oz ~~XXXX~~ so it is especially important to Crosscut the Lucerne Annex & determine the width & location of these Veins & to find if the Bearing of the Lucerne Annex was Misplotted, and to contiguosly, within our own undisputed property, to get to the C. J.

Vanderwilt, 1947, Min. Res. of Colo: State of Colorado, Mineral Resources Board, 547p.

Plate 14 (p. 310) shows this area — Sec. 26, T.3S., R73W, & could find no mention of the Brighton, et al. claims
RMD.

TEL. 244-3223

ROOT & SIMPSON, Inc.

METALLURGIC[illegible] CHEMISTS AND ASSAYERS

DENVER COLORADO 80201

P. O. BOX 2069

SPECIMEN ASSAY

ASSAYED FOR	MARKS
Berne, Inc.	Rock

GOLD OZS. PER TON	SILVER OZS. PER TON	WET LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	V_2O_5 PER CENT	U_3O_8 PER CENT	PER CENT	PER CENT
69.72	35.4	Cons.						
0.1	3.5	Brighton						
0.015	0.2	C. J.						

DATE 6/14/66 CHARGES $14.50

Root & Simpson, Inc.

OFFICIAL COPY
O. M. E.
RECEIVED
21 1966
INITIALS CODE
120 m
~~114~~
132 8

OFFICIAL BUSINESS

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/13	RM Smith	120,8
6/13/66	Kikemo	120K
		110
6/13	Cal	120
		120Z

AIRMAIL

JUN 13 1966

Berne, Inc.
65 South Glencoe Street
Denver 22, Colorado

Re: OME-6552 (Silver-Gold)
Berne, Inc.
Brighton No. 2, et al., Claims
Clear Creek County, Colorado

Gentlemen:

Thank you for your letter of May 29, 1966, the enclosed settlement sheets, and the sketch map illustrating a second revision of the proposed project.

Your sincere efforts to furnish the information requested in our letters of May 3, May 13, and May 25 are appreciated. Still lacking, however, are (1) a claim map showing your property rights, and (2) evidence to support your presumption that ore may be found in the specific area to be explored, i.e. that there are specific geologic targets.

As indicated in our letter of May 25, without these data we would have no choice but to deny your application, but we are reluctant to take that action without giving you every opportunity to furnish the necessary information. Possibly you should obtain the services of a qualified geologist or mining engineer to help you prepare the documents required.

Submittal of the requested data, however, does not commit the Government to grant an exploration contract. We shall postpone further action on your application until the requested information is received.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading
Division File
Economic Geology File
Region III w/cy of inc. ltr and enclosures listed above
OME Docket
OME Reading File
Smith

RMSmith/mm (6/13/66)

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/24	RA Smith	120 S
5/25/66	Kirkemo	120 K
		110
5/25	CAL	220
		120 M

AIRMAIL

MAY 25 1966

Berne, Inc.
65 South Glencoe Street
Denver 22, Colorado

Re: GME-6552 (Silver-Gold)
Berne, Inc.
Brighton No. 2, et al., Claims
Clear Creek County, Colorado

Gentlemen:

Thank you for your letter of May 17, 1966, and the enclosed financial reports and revised sketch of the referenced claims.

Although the questions of financial eligibility and accessibility of the workings have now been clarified and meet the requirements, not enough information has been submitted to enable us to evaluate the questions of property rights, eligible minerals, exploration targets, and feasibility of the proposed work.

Elimination of the crosscut on the Lucerne Annex claim from the proposed work removes the question of property rights in that area. Still in question, however, is the ownership of the overlap areas where the Dodewick crosses the Brighton No. 2 and where the European crosses the C.J. These and other apparent conflicts appear to leave only isolated non-contiguous segments of your claims under your control. The map requested in our earlier letters and a clear description of the property rights are prerequisite to any further consideration of the proposed project.

Assay certificates in the original application indicated as much as 1.4 oz. gold and 31.8 oz. silver in concentrates from the 4th of July mill, but assays quoted in your letter of May 17 average 0.06 oz. gold and 3 oz. silver from dump samples that clearly represent base metal ores. None of the concentrates or dump samples, however, is identified as to source, so we cannot determine whether the specific veins to be explored meet the criteria for an eligible mineral.

No specific geological targets are indicated on the sketches or in the texts of the application or letters. Although a detailed geologic

23263

map showing the location, extent, and character of the veins might indicate the possibility of one or more targets, no map has been submitted.

The proposed work is excessive unless it is preparation for the mining of a large deposit whose size and grade are already well established. Since the size and grade are not documented and since no geologic targets are indicated, it appears that the purpose of the proposed work is to open up 3,000 feet of vein in hope of finding one or more ore bodies. This type of work is considered to be prospecting and is not eligible for OME assistance.

Unless you can furnish the information requested in our letters of May 3 and May 13, particularly a map showing your property rights and the location, extent, and character of the veins on the surface, we would have no choice but to deny your application.

Submittal of the requested information should not be construed as committing the Government to grant an exploration contract. We shall hold the further processing of your application until the requested data are received.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Region III w/cy of incoming letter and map
Smith
RMSmith/mm (5/24/66)

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/13	RHSmith	120
5/13/66	Kirkemo	120
		110
5/13	COL	220
		120M

AIRMAIL

Berne, Inc.
65 South Glencoe Street
Denver 22, Colorado

MAY 1 3 1966

Re: OME-6552 (Silver-Gold)
Berne, Inc.
Brighton No. 2, et al., Claims
Clear Creek County, Colorado

Gentlemen:

Thank you for your letter of May 9, 1966, and enclosures, in reply to our request of May 3 for additional information. The matter of accessibility is now satisfactory, but further problems are raised by your replies to items 1, 2, 3, and 5.

1. Financial Eligibility:

The commitment to lend funds for your share of the costs by the same bank that denied your request for $30,000.00 imposes the requirement of a financial statement to establish that funds are not available from commercial sources. To assist us in determining your financial eligibility, please furnish a copy of a recent financial statement of Berne, Inc.

2. Applicant's Rights in Land:

You do not comment on the second part of this question relating to prior claims which cover parts of the area within the nominal boundaries of your claims. Although neither the claim map nor the sketch accompanying your letter is to scale, it appears from the acreage specified in the tax receipt that about a fourth of the land area of the claims is subject to prior rights. Hence, the proposed crosscutting and drifting apparently would cross the Park, North Park, Oetta, Chester, European, Republican, Lucerne, Second Lucerne, Bederick, The Hartman, and possibly other claims which the Applicant does not own. In this circumstance, the OME could not participate in the project. Please submit a map that identifies the exact location of the 12.488 acres contained in the four claims.

23263

3. Physical Description:

The isometric sketch submitted with your letter suggests that much of the proposed work is along or near the claim boundaries. While the OME does not normally approve work within 100 feet of a property line, an exception might be made in this case because the claims are only 150 feet wide. However, considering the large size of this project, an accurate map drawn to scale showing the relationship of the veins and workings on the surface to the property lines will be required.

5. Exploration Work:

Since you do not comment on the feasibility of a modified and less costly program such as trenching or drilling, additional information is needed to indicate whether the proposed work is prospecting, exploration, or development, and to indicate the probability of a discovery commensurate with the high costs of the work.

The proposed drifting for the full length of two claims suggests that no specific segments of the veins are considered to be more favorable for ore than other parts. In other words, there are no specific targets. The reason given for expecting ore along the two veins is that sulfide-bearing veins as much as 9 feet wide are exposed in the small shafts and in the C.J. tunnel, but the locations of these workings are not shown so we cannot appraise their relation to the proposed work. Moreover, they are said to contain lead and zinc sulfides, so, in spite of assay certificates which indicate substantial silver and gold, we cannot determine the principal metals in the veins to be explored. Please submit a map that shows these workings and assay certificates of samples from the veins.

In the application the Brighton vein is estimated to contain 75,000 tons to the 300-foot level and to constitute ore 2-4 feet wide the full length of the claim, or 1,500 feet. This estimate suggests that the character of the vein is well known and that the proposed drifting is development work in preparation for mining. The proposal to sink the Brighton shaft 300 feet without any drifting at the bottom is clearly development. The proposal to crosscut 1,500 feet the full length of the LucerneAnnex claim is primarily for drainage, escape, and ventilation. While it may have exploratory value, there is no mention of specific targets, and from our present information it is also considered to be development. Neither prospecting without a specific target nor development in preparation for mining is eligible for OME assistance.

If property rights and financial eligibility can be established, and if the proposed work is in fact the search for new or unexplored deposits that may contain significant quantities of silver and gold,

and if it is not feasible to explore for them by less costly methods, then evidence to support these contentions should be submitted. This evidence would be largely furnished by the map and assays requested above.

Nothing in this letter should be construed as a commitment by the Government to grant an exploration contract. We shall continue the processing of your application when the requested data are received.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Region III
OME Reading File
Mr. Smith

RMSmith/gla 5-13-66

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/3	RMSmith	120S
5/3	Kirkpatrick	120K
		110
5 3	cal	220
		120M

AIRMAIL

Berne, Inc.
65 South Glencoe Street
Denver 22, Colorado

MAY 3 1966

Re: MME-6552 (Silver-Gold)
Berne, Inc.
Brighton No. 2, et al., Claims
Clear Creek County, Colorado

Gentlemen:

Preliminary review of your application for financial assistance in exploring the referenced claims indicates that to continue its processing additional information is needed on Items 1, 2, 3, 4, and 5 as requested in the application form.

1. Financial Eligibility:
(c) Under this item you suggest that to finance your share of the costs you could sell the Victor Motel and also furnish five trucks and other road construction machinery. Since the proposed work is all underground, none of the heavy machinery would actually be used, and no allowance could be made for it. Depreciation on equipment is allowed to the extent of 1/60th of its fair market value or its book value, whichever is less, for each month used. For example, depreciation on a truck for hauling supplies would be an allowable cost.

For your information, the Government does not advance funds for its share of the costs under a contract. An operator pays all of the first month's costs and then submits a voucher on forms furnished by the Government. After approval, the operator is reimbursed for the Government's share of the costs. As it usually takes from two to three weeks to reimburse an operator, he should have sufficient funds at hand to cover all costs for at least two months. Thereafter, normally, reimbursement is received by an operator at monthly intervals. In these circumstances, please explain in detail how you plan to finance your share of the costs.

2. Applicant's Rights in Land:
(a) The Mining Lease and Option from the Gill Mining Co. conveys full rights to all claims in the application except for the Lucerne

see letter 9 May 1966 app. folder

23263

Annex A

Lode. For this claim the Lease conveys "All Grantor's Interest," but does not specify the nature of this interest. Please clarify. If there are overriding interests in this or any other claim, additional Lien and Subordination Agreements would be necessary in the event a contract is approved. Could these Agreements be obtained?

Please state also whether all of the land within the boundaries of the four claims is owned by the Gill Mining Co. From the survey plats it appears that prior claims such as the Republican, Second Lucerne, North Park, etc., have prior rights to parts of the land.

3. Physical Description:
(a) Please furnish a map or sketch which shows the relation of the proposed work to any existing mine workings and to the boundaries of the claims.

4. Accessibility of Property:
(a) Are the old workings from which the proposed work is to be started accessible for inspection if we should request the Field Officer to make a field examination?

5. Exploration Work:
(a) Under this item you indicate a 3-year project which is estimated to cost $350,000.00. The maximum participation allowed in any single contract is $250,000.00, and the maximum time allowed is normally 2 years. May we have your views on the feasibility of a more modest program?

This request for additional information should not be construed as a commitment by the Government to grant an exploration contract. We shall postpone the further processing of your application until the requested information is received.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Reading File
Region III
Mr. Smith
RMSmith/mm (5/3/66)

April 27, 1966

Berne, Inc.
65 South Glencoe Street
Denver 22, Colorado

Subject: OME-6552

Gentlemen:

Your application for exploration assistance, dated March 12, 1966, submitted to our office at Denver, Colorado, has been assigned Docket No. OME-6552.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region III

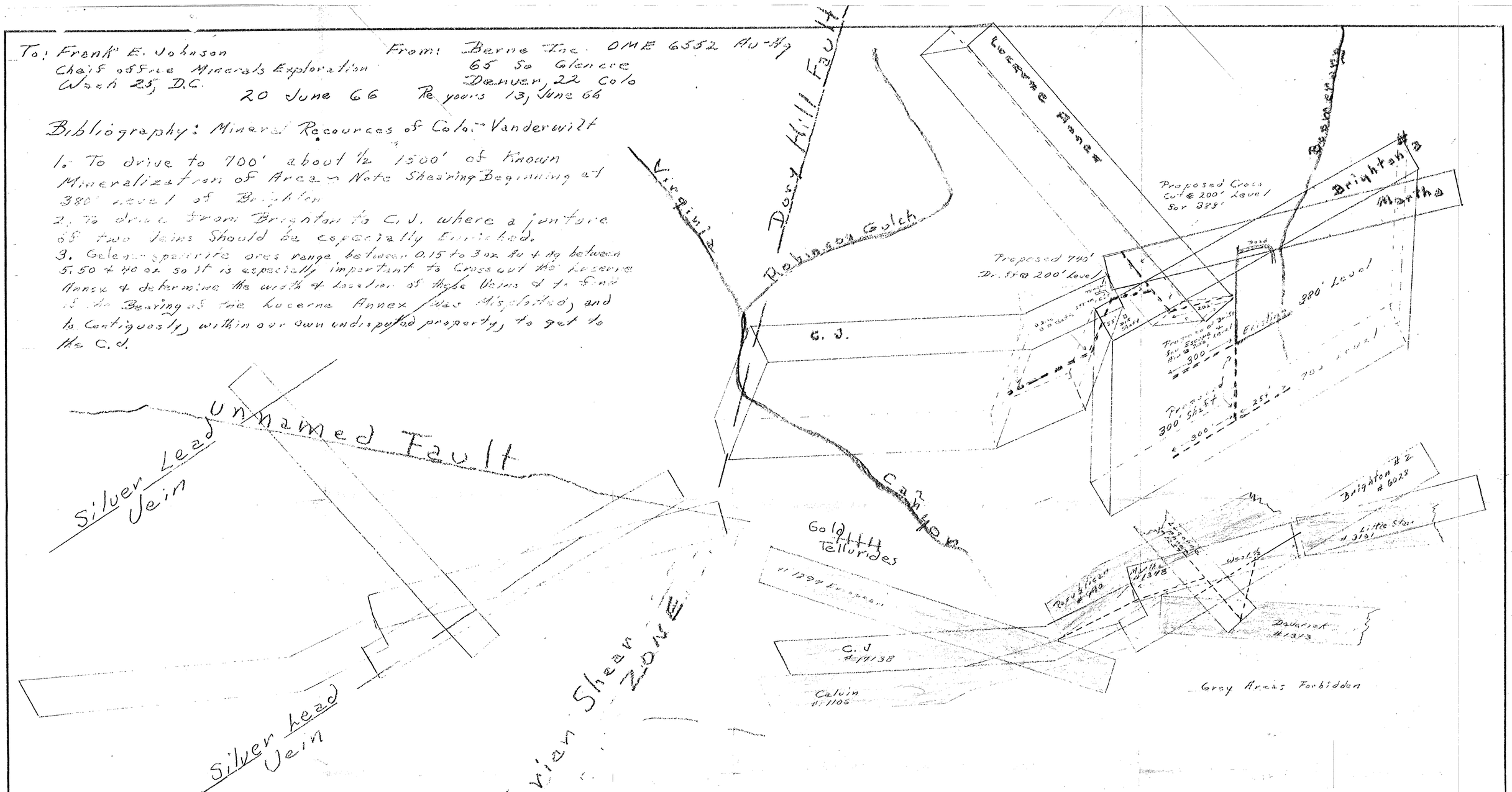
To: Frank E. Johnson
Chief Office Minerals Exploration
Wash 25, D.C.

From: Berne Inc. OME 6552 Au-Ag
65 So Glencoe
Denver, 22 Colo

20 June 66 Re yours 13, June 66

Bibliography: Mineral Recources of Colo. - Vanderwilt

1. To drive to 700' about ½ 1500' of Known Mineralization of Area - Note Shearing Beginning at 380' level of Brighton
2. To drive from Brighton to C.J. where a juntore of two Veins Should be especially Enriched.
3. Galena-pyrite ores range between 0.15 to 3 oz Au + Ag between 5.50 + 40 oz so it is especially important to Cross out the Lucerne Annex + determine the width + location of these Veins + if Sure is the Bearing of the Lucerne Annex (was Displaced) and to Contiguously, within our own undisputed property, to get to the C.J.



CHANGE INITIATED BY: OME 6552	DATE: 20 June 66
CHANGE APPROVED BY: Brighton #2 Silver - Gold	
INTEGRATING CONTRACTOR: Third - Revision	
AFBMD FIELD OFFICE NO. 3: 200 ft = 1 2 in.	
AREA OFFICE - CORPS OF ENGRS., DENVER, COLO.: by C.W.	

CORPS OF ENGINEERS, U.S. ARMY
OFFICE OF THE DISTRICT ENGINEER
OMAHA DISTRICT
OMAHA, NEBRASKA

DEPARTMENT OF THE AIR FORCE
AIR FORCE BALLISTIC MISSILE DIVISION (AFSC)
INGLEWOOD, CALIFORNIA

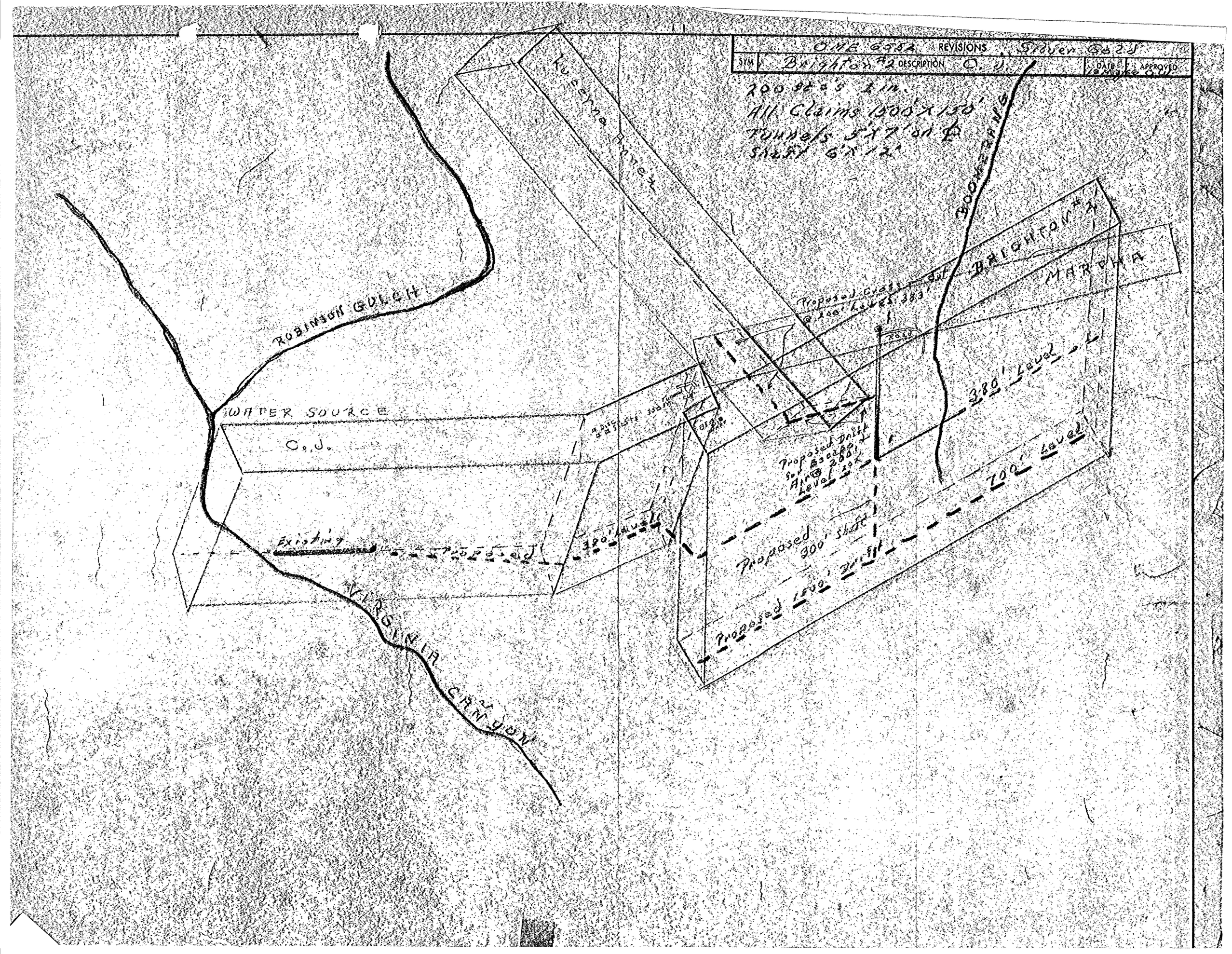
SKETCH NO. ..... FOR
PROPOSED MODIFICATION .....
CONTRACT NO. .....
DATE: .....
SCALE: .....
A.F.B.M.D. CHANGE ORDER NO

MODIFICATIONS TO
WS-107A-2, SQUADRON ... TECHNICAL FACILITIES
LOWRY AIR FORCE BASE, DENVER, COLORADO

All Claims 1500' x 150'
Tunnels 5'x8' on ℄
Shaft 6'x12'

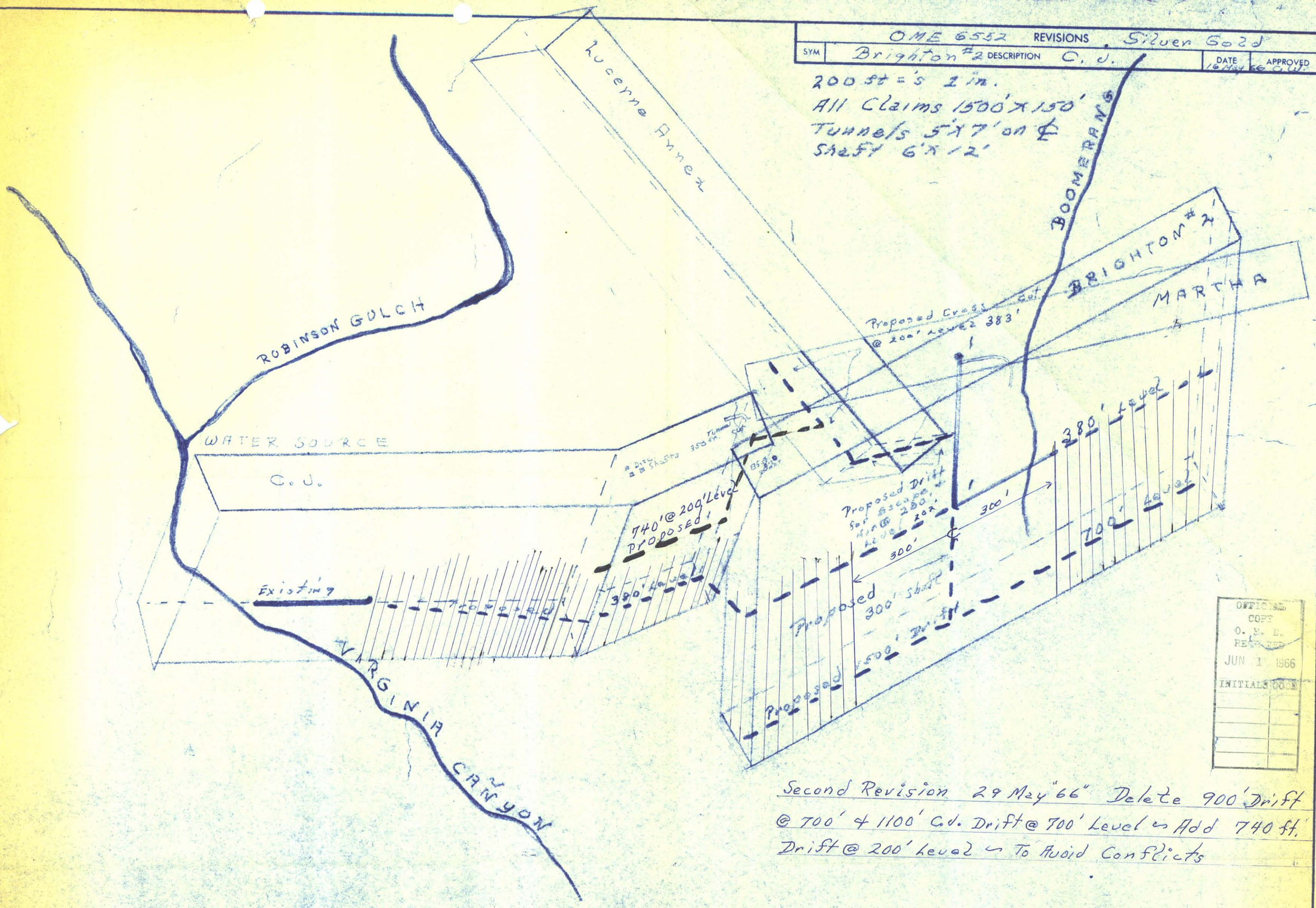
OFFICIAL COPY
O. N. E.
RECEIVED
JUN 21 1966

INITIALS	CODE


ONE 6052
REVISIONS
Silver 6021
SYM
Brighton #2
DESCRIPTION
C. J.
DATE
APPROVED
200 acres 2 in.
All Claims 1500 x 150'
Tunnels 5 x 7 on ℄
Shaft 6 x 12
Reserve Barney
BOOMERANG
BRIGHTON #2
MARTHA
Proposed Cross Cut @ 100' Levels 3831'
ROBINSON GULCH
WATER SOURCE
C. J.
Proposed Drift 50' Below 2001 Level
380' Level
700' Level
Existing
Proposed
380' Level
Proposed 900' Shaft
Proposed 1500' Drift
VIRGINIA CANYON

SYM	OME 6552 REVISIONS Silver Gold		
	Brighton #2 DESCRIPTION C. J.	DATE 16 May 66	APPROVED C.J.

200 ft = 's 1 in.
All Claims 1500' x 150'
Tunnels 5' x 7' on ℄
Shaft 6' x 12'



OFFICIAL COPY O. M. B. RECEIVED JUN 1 1966 INITIALS

Second Revision 29 May "66" Delete 900' Drift @ 700' & 1100' Cd. Drift @ 700' Level ~ Add 740 ft. Drift @ 200' Level ~ To Avoid Conflicts