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 Mineral, State of Colorado,

described as follows:[2] Patented Mining Claims: Equity 4,5,6,7,8,9,10,11 and 12 all in Township 43 North, Range 1 West of the New Mexico principal Meridian, all as recorded in Mineral County Courthouse, Creede, Colorado.

(Owner of 50% of a 19/20 Share and Owner of a 1/20 Share of above listed Claims)

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

Equity Mines, Inc.[3]

hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

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

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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 None (State "None" or "See Annex No. ____".)

Dated this 1st day of July, 19 67.

| | |
|---|---|
| | (Street) |
| | (City & State) |
| (Seal) | Joe G. Cox<br>608 South Harry St.<br>Monahans, Texas |
| J. A. Bravo<br>Notary Public, Ward County, Texas | (Street) |
| | (City & State) |
| (Seal) | |
| | (Street) |
| | (City & State) |
| (Seal) | |
| | (Street) |
| | (City & State) |
| (Seal) | |
| | (Street) |
| | (City & State) |
| (Seal) | |
| | (Street) |
| | (City & State) |
| (Seal) | |

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.

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(Corporate Seal)

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Dated this 1st day of July, 19 67.

J. A. Bravo
Notary Public, Ward County, Texas

Joe G. Cox
608 South Harry St.
Monahans, Texas

(Seal) (Street) (City & State)

(Seal) (Street) (City & State)

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| | | |
|---|---|---|
| | Joe G. Cox | (Street) |
| | 608 South Harry St. | (City & State) |
| (Seal) | Monahans, Texas | |
| J. A. Bravo | | (Street) |
| Notary Public, Ward County, Texas | | (City & State) |
| (Seal) | | |
| | | (Street) |
| | | (City & State) |
| (Seal) | | |
| | | (Street) |
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Dated this 1st day of July, 1967.

J. B. Bravo
Notary Public, Hard County, Texas

(Seal) _____ _____ (Street) (City & State)

Joe G. Cox
~~608 South Harry St.~~
Monahans, Texas

(Seal) _____ _____ (Street) (City & State)

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Dated this 1st day of July, 1967.

| | | |
|---|---|---|
| J. C. Cove<br>Notary Public, Hard County, Texas | (Seal) | Joe G. Cox<br>~~608 South Harry St.~~<br>Monahans, Texas (Street)<br>(City & State) |
| | (Seal) | (Street)<br>(City & State) |
| | (Seal) | (Street)<br>(City & State) |
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MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE  Contract No. _____  Docket No. 6582

Application
- [ ] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

**Left Side**

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

**Right Side**

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)

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

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam. Report (Tab) January 1969
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

**Left Side**

Folders No. _____: Reports

- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

**Right Side**

- [ ] Field Team Semiannual 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

72195-65

STANDARD FORM No. 31-P
The Olds Press, Tulsa, Ok.

# QUIT CLAIM DEED

FILING ... ONLY
STATE OF COLORADO } ss.
County of Mineral
I hereby certify that this instrument was filed for record in my office at 11:15 o'clock A.M. May 24 1967 and is duly recorded in Book 116 B Page 532
Ella Rogers RECORDER.
By ... DEPUTY

**This Indenture,** Made this 28TH day of APRIL in the year A.D. 19 67 between NEITA M. WHITTEN, A WIDOW OF 3728 EAST 59TH PLACE, TULSA, OKLAHOMA 74135 of the first part, and JOE G. COX OF 608 SOUTH HARRY STREET, MONAHANS, TEXAS of the second part.

**Witnesseth,** That the said party of the first part, in consideration of the sum of TEN DOLLARS AND OTHER VALUABLE CONSIDERATIONS DOLLARS to HER duly paid, the receipt of which is hereby acknowledged, does hereby quit claim grant, bargain, sell and convey unto said party of the second part and to HIS heirs and assigns, forever, all right, title, interest, and estate, both at law and in equity, of, in and to the following described real estate situate in the County of MINERAL State of COLORADO to-wit: HER INTEREST IN THE FOWWOWING LISTED PATENTED LODE MINING CLAIMS:

EQUITY NUMBERS FOUR ( 4 ), FIVE ( 5 ), AND SIX ( 6 ), U S MINERAL SURVEY No. 19433
EQUITY NUMBERS SEVEN ( 7 ), EIGHT (8 ), NINE ( 9 ) AND TEN (10 ), U.S. MINERAL SURVEY No. 19355A.
EQUITY NUMBERS ELEVEN ( 11 ), AND TWELVE ( 12 ), U.S. MINERAL SURVEY No. 19441.

ALL LOCATED IN KING SOLOMON MINING DISTRICT, MINERAL COUNTY, COLORADO.

together with all and singular the hereditaments and appurtenances thereunto belonging. To have and to hold the above granted premises unto the said party of the second part, HIS heirs and assigns, forever.

**In Witness Whereof,** The said party of the first part has hereunto set HER hand the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness:
A. D. Whitten Jr.
Anna J. Whitten

Neita M. Whitten

**OKLAHOMA FORM OF ACKNOWLEDGMENT FOR INDIVIDUAL**

STATE OF OKLAHOMA
COUNTY OF TULSA } SS

Before me, the undersigned, a Notary Public, in and for said County and State on this 28TH day of APRIL 19 67, personally appeared NEITA M. WHITTEN, A WIDOW ~~XXXX~~ to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that SHE executed the same as HER free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My commission expires February 19, 1968 Martha Scudder Notary Public
P. O. Sand Springs, Okla

**OKLAHOMA FORM OF ACKNOWLEDGMENT FOR CORPORATION**

STATE OF OKLAHOMA
COUNTY OF } SS

Before me the undersigned, a Notary Public, in and for said County and State on this ... day of ... 19 ..., personally appeared ... to me known to be the identical person who subscribed the name of the maker thereof to the foregoing instrument as its ... and acknowledged to me that ... he executed the same as h... free and voluntary act and deed and as the free and voluntary act and deed of such corporation, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My commission expires ... Notary Public

P. O.

No. 32774

QUIT CLAIM DEED

NEITA M. WHITTEN

TO

JOE G. COX

STATE OF COLORADO,
County of Mineral } ss.

I hereby certify that this instrument was filed for record in my office at 11:15 o'clock A.M. May 24, 1967, and is duly recorded in Book 110-G Page 532

Ellen Rogers
RECORDER

By _____
DEPUTY

Indexed
Compared

QUIT CLAIM DEED

KNOW ALL MEN BY THESE PRESENTS that we, HARRY V. ELLITHORPE, of the County of Rio Grande and State of Colorado, ROBERT M. ELLITHORPE, of the County of Washoe and State of Nevada, and CLIFFORD M. FRYE, of the County of Los Angeles and State of California, for the consideration of Ten Dollars and other good and valuable considerations in hand paid, hereby sell and quit claim to JOE G. COX, of the County of Ward and State of Texas, all of the following described lode mining claims situate in the King Solomon Mining District in Mineral County, Colorado, described as follows, to-wit:

Fifty Percent of a 19/20ths share of Equity Lode Mining Claims Numbered 4, 5, 6, 7, 8, 9, 10, 11 and 12 in Township 43 North, Range 1 West of the New Mexico Principal Meridian, and being all patented mining claims;

Together with all the dips, spurs and angles, and also all the metals, ores, gold and silver-bearing quartz, rock and earth therein; and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith usually had and enjoyed; and also all and singular the tenements, hereditaments and appurtenances thereto belonging or in any wise appertaining, and the rents, issues and profits thereof, and also all the estate, right, title, interest, property possession, claim and demand whatsoever, as well in law as in equity, of the said grantors, of, in or to the said premises, and every part and parcel thereof, with the appurtenances.

SIGNED, this 20th day of March, 1967.

Harry V. Ellithorpe
Harry V. Ellithorpe

Robert M. Ellithorpe
Robert M. Ellithorpe

Clifford M. Frye
Clifford M. Frye

JOSEPH H. KLEIN, Notary Public
State of California - Principal Office, Los Angeles County
My Commission Expires May 11, 1969
7014 S. Pacific Coast Hwy., Redondo Beach, Calif.

STATE OF ~~COLORADO~~
County of ~~Rio Grande~~ ) ss

The foregoing Quit Claim Deed was acknowledged before me this 20 day of March, 1967, by HARRY V. ELLITHORPE.

WITNESS my hand and official seal.

Joseph H. Klein
Notary Public
JOSEPH H. KLEIN
My Commission Expires May 11, 1969

My commission expires:

---

JOSEPH H. KLEIN, Notary Public
State of California - Principal Office, Los Angeles County
My Commission Expires May 11, 1969
7014 S. Pacific Coast Hwy., Redondo Beach, Calif.

STATE OF )
County of ) ss

The foregoing Quit Claim Deed was acknowledged before me this 20 day of March, 1967, by ROBERT M. ELLITHORPE.

WITNESS my hand and official seal.

Joseph H. Klein
Notary Public
JOSEPH H. KLEIN
My Commission Expires May 11, 1969

My commission expires;

---

JOSEPH H. KLEIN, Notary Public
State of California - Principal Office, Los Angeles County
My Commission Expires May 11, 1969
7014 S. Pacific Coast Hwy., Redondo Beach, Calif.

STATE OF )
County of ) ss

The foregoing Quit Claim Deed was acknowledged before me this 20 day of March, 1967, by CLIFFORD M. FRYE.

WITNESS my hand and official seal.

Joseph H. Klein
Notary Public
JOSEPH H. KLEIN
My Commission Expires May 11, 1969

My commission expires:

No. 32775

QUIT CLAIM DEED

M.

HARRY V. ELLITHROPE, ROBERT ELLITHROPE
AND CLIFFORD M FRYE

TO

JOE G. COX

STATE OF COLORADO, }ss.
County of Mineral

I hereby certify that this instrument was filed for record in my office, at 11:20 o'clock A.M. May 24 1962 and is duly recorded in Book 110-J page 538

Ellie Rogers
RECORDER

By _____
DEPUTY

Entered & Compared

Gordon E. Hosselkus

Phone OL 8 - 2497
P. O. Box 26

# CREEDE ASSAY OFFICE

**Custom Assaying**

Creede, Colorado

**Certificate of Assay**

**ASSAYED FOR** Equity Mines Inc. **DATE** June 15, 1967

| No. | Description | Gold | Silver | Lead | Zinc | Copper | Hg. |
|---|---|---|---|---|---|---|---|
| 1 | Equity vein | Tr. | Tr. | | | | |
| 2 | " | Tr. | 0.16 | | | | |
| 3 | " | Tr. | 0.10 | | | | |
| 4 | " | 0.005 | 0.58 | | | | |
| 5 | " | 0.015 | 1.34 | | | | |
| 6 | " near Amethyst vein | Tr. | Tr. | | | | 0.600 ppm |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Geochem. Sampling along Surface -- Equity & Amethyst Faults -- June 1967

Equity

| Sample No. | ppm Hg |
|---|---|
| E-1 | .120 ppm |
| E-2 | .280 ppm |
| E-3 vein | .420 ppm |
| E-4 } down slope | .320 ppm |
| E-5 | .340 ppm |
| E-6 | .140 ppm |
| E-7 | .420 ppm |
| E-8 | .280 ppm |
| E-9 vein | .560 ppm |
| E-10 | .360 ppm |
| E-11 | .140 ppm |
| E-12 | .140 ppm |
| E-13 | .200 ppm |
| E-14 | .280 ppm |
| E-15 vein | .360 ppm |
| E-16 | .420 ppm |
| E-17 | .220 ppm |
| E-18 | .220 ppm |
| E-19 | .400 ppm |
| E-20 vein | .420 ppm |
| E-21 | .320 ppm |
| E-22 | .280 ppm |
| E-23 vein | .320 ppm |

Amethyst

| Sample No. | ppm Hg |
|---|---|
| #6 Equity | .600 ppm Tr Au Tr Ag |
| A-1 | .220 ppm |
| A-2 vein | .360 ppm |
| A-3 | .260 ppm |
| A-4 | .220 ppm |
| A-5 | .360 ppm |
| A-6 | .160 ppm |
| A-7 vein | .200 ppm |
| A-8 | .140 ppm |
| A-9 | .220 ppm |
| A-10 | .100 ppm |
| A-11 vein | .340 ppm |

QUIT CLAIM DEED

KNOW ALL MEN BY THESE PRESENTS that we, HARRY V. ELLITHORPE, of the County of Rio Grande and State of Colorado, ROBERT M. ELLITHORPE, of the County of Washoe and State of Nevada, and CLIFFORD M. FRYE, of the County of Los Angeles and State of California, for the consideration of Ten Dollars and other good and valuable considerations in hand paid, hereby sell and quit claim to JOE G. COX, of the County of Ward and State of Texas, all of the following described lode mining claims situate in the King Solomon Mining District in Mineral County, Colorado, described as follows, to-wit:

Fifty Percent of a 19/20ths share of Equity Lode Mining Claims Numbered 4, 5, 6, 7, 8, 9, 10, 11 and 12 in Township 43 North, Range 1 West of the New Mexico Principal Meridian, and being all patented mining claims;

Together with all the dips, spurs and angles, and also all the metals, ores, gold and silver-bearing quartz, rock and earth therein; and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith usually had and enjoyed; and also all and singular the tenements, hereditaments and appurtenances thereto belonging or in any wise appertaining, and the rents, issues and profits thereof, and also all the estate, right, title, interest, property possession, claim and demand whatsoever, as well in law as in equity, of the said grantors, of, in or to the said premises, and every part and parcel thereof, with the appurtenances.

SIGNED, this 20th day of March, 1967.

Harry V. Ellithorpe
Harry V. Ellithorpe

Robert M. Ellithorpe
Robert M. Ellithorpe

Clifford M. Frye
Clifford M. Frye

Letter 5/21/67

JOSEPH H. KLEIN, Notary Public
State of California - Principal Office, Los Angeles County
My Commission Expires May 11, 1969

STATE OF COLORADO )
ss
County of Rio Grande )

The foregoing Quit Claim Deed was acknowledged before me this 20 day of March, 1967, by HARRY V. ELLITHORPE.

WITNESS my hand and official seal.

Joseph H. Klein
Notary Public
JOSEPH H. KLEIN
My Commission Expires May 11, 1969

My commission expires:

---

JOSEPH H. KLEIN, Notary Public
State of California - Principal Office, Los Angeles County
My Commission Expires May 11, 1969

STATE OF )
ss
County of )

The foregoing Quit Claim Deed was acknowledged before me this 20 day of March, 1967, by ROBERT M. ELLITHORPE.

WITNESS my hand and official seal.

Joseph H. Klein
Notary Public
JOSEPH H. KLEIN
My Commission Expires May 11, 1969

My commission expires;

---

JOSEPH H. KLEIN, Notary Public
State of California - Principal Office, Los Angeles County
My Commission Expires May 11, 1969

STATE OF )
ss
County of )

The foregoing Quit Claim Deed was acknowledged before me this 20 day of March, 1967, by CLIFFORD M. FRYE.

WITNESS my hand and official seal.

Joseph H. Klein
Notary Public
JOSEPH H. KLEIN
My Commission Expires May 11, 1969

My commission expires:

STANDARD FORM No. 31-P
The Oldsmess, Tulsa, Ok.

# QUIT CLAIM DEED

**This Indenture,** Made this 28TH day of APRIL in the year A.D. 19 67 between NEITA M. WHITTEN, A WIDOW OF 3728 EAST 59TH PLACE, TULSA, OKLAHOMA 74135 of the first part, and JOE G. COX OF 608 SOUTH HARRY STREET, MONAHANS, TEXAS of the second part.

**Witnesseth,** That the said party of the first part, in consideration of the sum of TEN DOLLARS AND OTHER VALUABLE CONSIDERATIONS DOLLARS to HER duly paid, the receipt of which is hereby acknowledged, does hereby quit claim grant, bargain, sell and convey unto said party of the second part and to HIS heirs and assigns, forever, all right, title, interest, and estate, both at law and in equity, of, in and to the following described real estate situate in the County of MINERAL State of COLORADO to-wit: HER INTEREST IN THE FOWWOWING LISTED PATENTED LODE MINING CLAIMS:

EQUITY NUMBERS FOUR ( 4 ), FIVE ( 5 ), AND SIX ( 6 ), U S MINERAL SURVEY NO. 19433
EQUITY NUMBERS SEVEN ( 7 ), EIGHT (8 ), NINE ( 9 ) AND TEN (10 ), U.S. MINERAL SURVEY NO. 19355A.
EQUITY NUMBERS ELEVEN ( 11 ), AND TWELVE ( 12 ), U.S. MINERAL SURVEY NO. 19441.

ALL LOCATED IN KING SOLOMON MINING DISTRICT, MINERAL COUNTY, COLORADO.

together with all and singular the hereditaments and appurtenances thereunto belonging. To have and to hold the above granted premises unto the said party of the second part, HIS heirs and assigns, forever.

**In Witness Whereof,** The said party of the first part has hereunto set HER hand the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness: Neita M. Whitten
A. E. Whitten Jr.
Anne J. Whitten

**OKLAHOMA FORM OF ACKNOWLEDGMENT FOR INDIVIDUAL**

STATE OF OKLAHOMA
COUNTY OF TULSA } SS

Before me, the undersigned, a Notary Public, in and for said County and State on this 28TH day of APRIL 19 67, personally appeared NEITA M. WHITTEN, A WIDOW ~~and~~

to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that SHE executed the same as HER free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My commission expires February 19, 1968 Martha Scudder Notary Public
P. O. Sand Springs, Okla

**OKLAHOMA FORM OF ACKNOWLEDGMENT FOR CORPORATION**

STATE OF OKLAHOMA
COUNTY OF } SS

Before me the undersigned, a Notary Public, in and for said County and State on this day of 19 , personally appeared to me known to be the identical person who subscribed the name of the maker thereof to the foregoing instrument as its and acknowledged to me that he executed the same as h free and voluntary act and deed and as the free and voluntary act and deed of such corporation, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My commission expires Notary Public
P. O.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225
Office of Minerals Exploration

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 15 1966
INITIALS | CODE

November 14, 1966

To: Chief, OME

From: Field Officer, Region III

Subject: Application for financial assistance

Transmitted herewith is an application for financial assistance from the Equity Mines, Inc., Mineral County, Colorado to explore for silver at the Equity Mine near Creede, Colorado.

Mr. T. A. Steven, Geologist, has reviewed the application and is completely familiar with the property, his comments and suggestions accompany the application.

The maps pertaining to the application are being forwarded under separate cover.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 15 1966
INITIALS | CODE

November 4, 1966

Memorandum

To: J. W. Hasler, Field Officer, Region III

From: T. A. Steven Tom Steven

Subject: Equity Mines, Inc. application for OME assistance

I have read the subject application, looked over the attached maps, and reviewed my own field notes and maps of the area proposed for exploration. As I understand it, Equity Mines, Inc. proposes to drive eastward from their present mine workings near West Willow Creek to the intersection of the Equity fault with the strand of the Amethyst fault that follows along Deerhorn Creek, a distance they estimate as about 3200 feet.

Current mine workings expose one ore shoot that extends about 50' along the strike, somewhat more than 100 feet down the dip, and varies from a narrow seam to more than 20 feet wide. As described by Steven and Ratte, U. S. Prof. Paper 487, p. 82, the ore fills late fractures that cut a highly silicified pod formed along the Equity fault during earlier hydrothermal activity. The ore shoot is in an area where the late fracturing was particularly strong and concentrated in a rather narrowly confined zone. Along strike in the present mine workings this late fracturing is more dispersed and the metal values lower.

As shown by fig. 7, Prof. Paper 487, the hydrothermally altered rocks consist of silicified pods and highly argillized rock, which are erratically distributed along the Equity fault.

In addition to the ore body exposed by the mine workings, the applicants cite a caved tunnel higher up the hill and east of the open workings, from which it has been reported that high-grade ore was shipped in the early days of mining. I, too, have heard these stories, and am reasonably certain that some ore was shipped, although I have no idea what the grade was. In fact, the ore body exposed in the lower workings does not crop out but was found by a tunnel that was intended to cut under this higher ore.

On page 4 of the application it is stated "chemical analysis of surface soil samples along the fault above these old workings and to the east indicate potential silver reserves in quantity and quality (see attached results)." I could not find anything in the packet accompanying the report that indicated this, and can only assume either that it was inadvertently left out, or that it does not exist. This is unfortunate inasmuch as such data would be of great value in justifying their proposed exploration program.

request

Lacking any supporting data from the applicants indicating that the intersection of the Equity and Amethyst-strand faults is favorable for the occurrence of ore, I have to resort to any memory, and field notes and maps. Both the Equity and Amethyst-strand faults have minor altered rock along them near the intersection, but it is minor, discontinuous, and closely confined to the vicinity of the fault surfaces. This need not be considered too unfavorable, however, as altered rock is generally minor and obscure in the Creede district, and is generally closely associated with the upper parts of the ore bodies themselves. At one place a note by Jim Ratte states "a little gossan-type of reddish brown cellular altered rock was found under float from nearby Equity quartz latite outcrops". It is not particularly favorable either, however, and what is really needed is some geochemical prospecting along and across the faults in this vicinity to see if any metals are present in anomalous quantities.

It seems to me, therefore, that the proposed exploration is a bit ambitious without more supporting data. I believe that some drifting east to test the Equity fault near the known area of silver mineralization, and particularly the zone below the reported ore in the old workings above and east of the present workings, would be well worthwhile and could be fully justified as exploration. At the same time, I would strongly suggest a program of sampling along and across the trend of both the Equity and Amethyst-strand faults to see if this intersection shows any indication of ore at depth. These steps could easily be set up as a several-stage program that could progress smoothly from one step to the next if the findings are sufficiently encouraging; or they could be cut off at the end of any stage if they are not.

cc: T. A. Steven
OME chron
Hasler chron
Equity application

November 4, 1966

Memorandum

To: Bill Hasler

From: Tom Steven

Subject: Hg content of ore from Equity mine, Creede, Colorado district

At my request, Howard McCarthy of the Exploration Research Branch ran a sulfide-rich sample of the ore from the E uity mine through his Hg detector. This material ran 800 ppb, which in McCarthy's opinion is high enough so that the ore body should have a definite mercury halo around it.

Careful testing by this technique of the Equity fault east of the Equity Mine, and particularly of the Equity fault and the Amethyst fault strand near their intersection in upper Deerhorn Creek, might well provide a basis for judging the likelihood of an exploration target at depth in this area.

cc: T. A. Steven
Chief, OME
OME chron
Hasler chron
Equity file

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225
Office of Minerals Exploration

November 1, 1966

Memorandum

To: Tom Steven

From: Bill Hasler

Subject: Request for a review of OME application by the Equity Mines, Inc., Creede, Colorado to explore for silver at the Equity Mine, Mineral County, Colorado

Les Turnipseed's application is essentially complete and ready to be transmitted to Washington for further processing.

I would like your comments and suggestions concerning the proposed exploratory work, and the possibilities of finding new and undiscovered reserves of silver as a result of the proposed program. Do you think that some crosscutting to related and/or adjoining structures would be advisable?

Your review and comments will be greatly appreciated.

J. W. Hasler,
Field Officer, Region III
Office of Minerals Exploration

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 15 1966
INITIALS | CODE

MME Form 40
Jan. 65

Budget Bureau No. 42-R1506
Approval expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# APPLICATION FOR FINANCIAL ASSISTANCE IN MINERAL EXPLORATION

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

OFFICIAL COPY
U.S. GEOL. SURV.
RECEIVED
NOV 15 1966
INITIALS

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

EQUITY MINES, INC.
P. O. Box 222
Creede, Colorado

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6582

DATE RECEIVED: 11-15-66

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 |
|---|---|---|
| Les Turnipseed | Creede, Colorado | Pres. |
| Joe G. Cox | Monahans, Texas | Vice-Pres. |
| W. W. Wyley | Creede, Colorado | Sec./Treas. |

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Silver

ESTIMATED COST OF PROJECT: $ 144,817.

| PROPERTY NAME | LOCATION COUNTY | LOCATION STATE |
|---|---|---|
| Equity Mines, Inc. | Mineral | Colorado |

## 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 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.

October 1, 1966
DATED

Leslie Turnipseed
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).]

EQUITY MINES, INC.
Creede, Colorado
October 29, 1966

Mr. J. William Hasler
Field Officer, Region III
Office of Minerals Exploration
U. S. Department of the Interior
Geological Survey
Federal Center
Building 25, Room 2284
Denver, Colorado

Dear Sir;

Mr. Les Turnipseed, our company president, has me submit these additional copies of documents, relative to our application for financial assistance, minerals exploration (silver):

One copy each of:

Original Lease & Option
Transfer - Mr. Murray to Cox
Transfer - Cox to Equity Mines, Inc.
Mining Deed - Turnipseed to Equity Mines, Inc.

We have contacted the other property owners of the Equity Patent Claims, and are receiving no affirmative verbal commitments from them. They are reticent to subordinate their interest for period of 10 years. We do not consider this a major problem, however, because, as you can see from our application:

(1) Equity Mines, Inc. is the largest single owner of the patent claims (almost 1/2), and sole owner of the non-patent claims.

(2) We plan to keep our minimum monthly royalty payments up to date to these other people.

(3) From "Mining Lease & Option" you see that we have until September of 1968 to exercise option on Patent Claims. By that time the exploration work will be complete, and should satisfactory ore be encountered (whereby the government will require repayment), the individual stockholders of Equity Mines, Inc. can exercise the option, thereby eliminating these other people.

We certainly do appreciate your interest in this project on our behalf.

Yours very truly,

Joe G. Cox
Vice-President

EQUITY MINES, INC.
Creede, Colorado
October 1, 1966

Mr. J. William Hasler
Field Officer, Region III
Office of Minerals Exploration
U. S. Department of the Interior
Geological Survey
Federal Center,
Denver, Colorado

Dear Sir;

Attached please find MME Form 40 and supporting documents whereby this company respectfully requests financial assistance in minerals exploration.

We see from your letter of September 29th that you plan to be in the Creede area about the third week of October. Our Mr. Les Turnipseed in Creede would like to show you our property then if your time permits.

Yours very truly,

Joe G. Cox, V-Pres.

COPY

EQUITY MINES, INC.
Creede, Colorado
September 15, 1966

Mr. John Reason, President
Rio Grande County Bank
Del Norte, Colorado

Dear Sir;

Relative to our conversation of some days past, we would like to borrow the amount of $100,000. from your bank for purpose of mineral exploration on our property above Creede known as the Equity patent claims, and adjacent non-patent claims. We propose to use this money to drive a tunnel easterly from our present operations along the Equity Fault, to its approximate intersection with the Amethyst Fault. This work would be accomplished over a 20 month period, and our requirements per month should run about $5,000.

We hope to discover silver in quantity to permit repayment to your bank commencing in 2 years from this date at $5,000. per month plus reasonable interest.

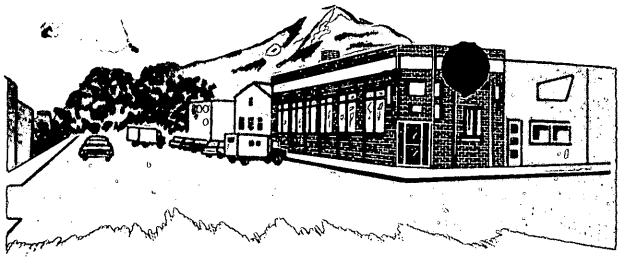
Please advise of your thoughts on this matter.

Sincerely,

Les Turnipseed

Les Turnipseed, Pres.

COPY



# THE RIO GRANDE COUNTY BANK

DEL NORTE, COLO.,

Established 1937

JOHN REASON
PRESIDENT & CHAIRMAN OF THE BOARD

September 21, 1966

Re: Loan Application
Equity Mines, Inc.
Creede, Colorado

Mr. Les Turnipseed, President
Equity Mines, Inc.
Creede, Colorado.

Dear Mr. Turnipseed,

It is with regret that the Board of Directors of the bank have found it necessary to inform you that they are unable to grant the loan of $100,000.00 which you have requested for your Equity Mine operation.

As you know, we are a small bank and to enter into a credit line of that amount it would require the assistance of one of our correspndent banks. We have contacted them and due to the shortage of lending funds, they were unable to be of assistance at this time.

We hope to be of service to you in the future and we further hope that your enterprise will prove fruitful for all concerned.

Very truly yours,

John Reason, President

EQUITY MINES, INC.
Creede, Colorado
September 25, 1966

Mr. Chas. Baker, Vice-President
First State Bank of Monahans,
Monahans, Texas

Dear Sir;

As we discussed, our company would like to drive an exploration tunnel from the site of the old Equity diggings, easterly along the Equity Fault, to its intersection with the Amethyst Fault above Creede. This work would be for the purpose of exploring for silver ore along this fault. Estimated costs are approximately $5,000. per month over a 20 month period, for total of $100,000.

Should you be in favor of this financing, we feel ore discoveries made should allow us to commence repayment to you within 24 months from this date at rate of $5,000. per month plus the lowest interest rate you can charge us.

Yours very truly,

Joe G. Cox, V.Pres.

COPY

# FIRST State BANK of MONAHANS TEXAS

CHARLES E. BAKER
EXECUTIVE VICE PRESIDENT

September 28, 1966

Equity Mines, Inc.
Creede, Colorado

Attn: Joe G. Cox, Vice President

Dear Mr. Cox:

Relative to your loan application in the amount of $100,000, it is the decision of our loan committee to reject this loan.

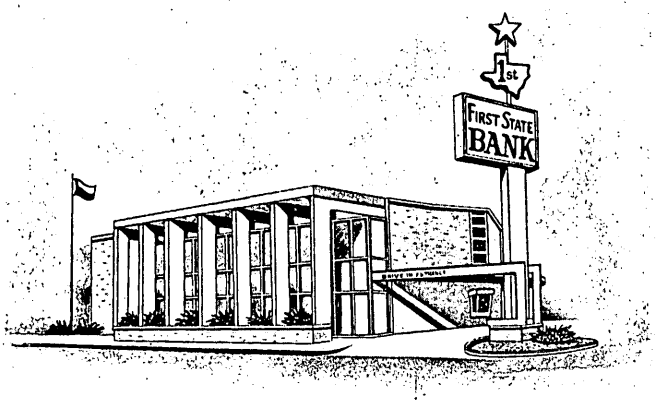
I believe that you have property with very attractive potential, but our local loan demand exceeds our availability of our loan funds.

I appreciate the opportunity of considering this matter, and regret that the scarcity of money prohibits us from accommodating you in this matter.

Yours very truly,

Charles E. Baker
Executive Vice President

CEB:ce




Certified True Copy of Original

Joe G. Cox, Notary Public
Ward County, Texas

# EXHIBIT 'C'

Line @ N end #4 + #5

| Sample No. | ppm Hg | |
|---|---|---|
| 1 | 1.80 | |
| 2 | 1.88 | |
| 3 | 1.50 | |
| 4 | 1.68 | |
| 5 | 1.54 | |
| 6 | 1.66 | |
| 7 | 2.00 | Vein - N dip (should be vein you dug on) |
| 8 | 1.92 | |
| 9 | 1.80 | |
| 10 | 1.92 | |
| 11 | 2.00 | |
| 12 | 2.04 | |
| 13 | 2.30 | Amethyst - E dip |
| 14 | 1.80 | |
| 15 | 1.72 | |
| 16 | 1.76 | |
| 17 | 1.80 | |
| 18 | 1.94 | |
| 19 | 1.68 | |
| 20 | 2.20 | Vein - dip ? |
| 21 | 2.12 | |
| 22 | 1.84 | |
| 23 | 1.84 | |
| 24 | 1.84 | |

Line @ S end #15 + #16

| Sample No. | ppm Hg | |
|---|---|---|
| 25 | 1.60 | (Amethyst must cross E of #25) |
| 26 | 1.74 | |
| 27 | 1.80 | |
| 28 | 1.64 | |
| 29 | 1.64 | |
| 30 | 1.38 | |
| 31 | 1.24 | |
| 32 | 1.26 | |
| 33 | 1.26 | |
| 34 | 1.42 | |
| 35 | 1.50 | |
| 36 | 1.36 | |
| 37 | 1.58 | |
| 38 | 1.64 | |
| 39 | 1.50 | |
| 40 | 1.60 | |
| 41 | 1.54 | |
| 42 | 2.04 | Vein - dip ? |
| 43 | 1.42 | |
| 44 | 1.44 | |

#42 is last sta. on line & is below fault scarp between 39 & 40.
#43 + #44 were near old shaft & don't show anything.

Equity Mines, Inc. Application for Financial Assistance in Minerals Exploration

Supporting documents to accompany MME Form 40 (The following outline is keyed to the outline on back of MME Form 40)

1. Financial Eligibility

   (a) See true copies of correspondence.

   (b) No affiliated, parent or controlling companies.

   (c) We would prefer to furnish the major part of our share of the cost of exploration work as follows:

      (1) Furnishing the necessary tools and equipment (or a major portion thereof) would be paid by us. These would include such items as Air Compressor, Truck, Drills etc. This equipment value will make up the 25% cost that we would be expected to bear. And of course, if it did not, the balance would be from contributions of stockhldrs

2. Rights in Land

   (a) Equity Mines, Inc. is owner of the following non-patent claims:

| Lode Name | Reception No. | Lode Name | Reception No. |
|---|---|---|---|
| End 11 | 31427 | E.S.T. | 30416 |
| End 1 | 31429 | C.S.T. | 30418 |
| End 2 | 31428 | D.R.T. | 30417 |
| E - 3 | 30591 | C.D.T. | 30421 |
| Bib | 31396 | Jon | 31391 |
| A | 30576 | T.L.T. | 30419 |
| C.M.T. | 30415 | Mark | 31393 |
| A.L.T. | 30420 | Lime T | 31389 |
| A.L.T.No.2 | 30593 | Bill | 31398 |
| C.D.T.No.2 | 30592 | Sis | 31399 |
| Hill Side | 30891 | Cox | 31400 |
| Little Boy | 30893 | Big Boy | 30892 |
| Ken | 31390 | Lee | 31386 |
| Leen | 31394 | Lee No.1 | 31385 |
| Nel | 31395 | E - 1 | 30589 |
| End Line | 31392 | E - 2 | 30590 |
| Kay | 31397 | Joe | 31388 |
| Bud | 30414 | Joe No.1 | 31387 |

Nel on map

subject to lien held by Joe G. Cox, and recorded in book 110-J, page no. 403-404, Mineral County courthouse, Creede, Colorado. (MME Form 52 - Lien & Subordination Agreement attached)

Equity Mines, Inc. Application for Financial Assistance in Minerals Exploration (cont'd.)

(2. (a) Rights in Land, cont'd.)

and Equity Mines, Inc. holds a lease on the following patent claims:

Map says 43N
Sup. Agmt says 42N
USGS Topo. Map 43N (Mineral County)

Equity No. 4, 5, 6, 7, 8, 9, 10, 11, and 12, Township 42 No, Range One W NMPM (King Solomon Mining District)

True copy of lease attached, with true copy of transfer from Chas. Murray to Joe Cox, and true copy of transfer from Joe Cox to Equity Mines, Inc.

Names and addresses of owners of patent claims are:

| Name | Fraction of Ownership | Address |
|---|---|---|
| Harry V. Ellithorpe | 18% of a 19/20 Share | Monte Vista, Colorado |
| Robt. M. Ellithorpe | 16% of a 19/20 Share | Box 104, Incline Village, Nevada |
| Clifford M. Frye | 16% of a 19/20 Share | 719 S.Pacific Cst.Hiway, Apt.4, Redondo Beach, Cal. |
| Mrs. A. D. Whitten | 1/20 Share | 3728 E.59th Place, Tulsa, Oklahoma |
| Equity Mines, Inc. | 50% of a 19/20 Share | Box 222, Creede, Colorado |

(True copy of Mining Deed attached from Les Turnipseed to Equity Mines, Inc.)

Fraction belonging to Equity Mines, Inc. subject to lien held by Joe G. Cox and recorded in book 110-J, page 403-404, Mineral County courthouse, Creede, Colo. (MME-Form 52 - Lien & Subordination Agreement attachd.)

(b) Legal description of land we wish to explore and adjacent land we own or control:

(1) Patent Claims - Mineral County, Colorado

Equity No. 4,5,6,7,8,9,10, 11 and 12, Township 42 No, Range One W NMPM, (King Solomon Mining District)

Equity Mines, Inc. Application for Financial Assistance in Minerals Exploration (cont'd.)

(2. (b) Rights in Land, cont'd.)

(2)Unpatented Claims - Mineral County, Colorado

| Lode Name | Reception No. | Lode Name | Reception No. |
|---|---|---|---|
| End 11 | 31427 | E.S.T. | 30416 |
| End 1 | 31429 | C.S.T. | 30418 |
| End 2 | 31428 | D.R.T. | 30417 |
| E - 3 | 30591 | C.D.T. | 30421 |
| Bib | 31396 | Jon | 31391 |
| A | 30576 | T.L.T. | 30419 |
| C.M.T. | 30415 | Mark | 31393 |
| A.L.T. | 30420 | Lime T | 31389 |
| A.L.T.No.2 | 30593 | Bill | 31398 |
| C.D.T.No.2 | 30592 | Sis | 31399 |
| Hill Side | 30891 | Cox | 31400 |
| Little Boy | 30893 | Big Boy | 30892 |
| Ken | 31390 | Lee | 31386 |
| Leen | 31394 | Lee No.1 | 31385 |
| Nel | 31395 | E - 1 | 30589 |
| End Line | 31392 | E - 2 | 30590 |
| Kay | 31397 | Joe | 31388 |
| Bud | 30414 | Joe No.1 | 31387 |

All Unpatented Claims recorded at Mineral County courthouse, Creede, Colorado.

| Lode Name | Book No. | Page No. |
|---|---|---|
| End 11 | 6-D | 133 |
| End 1 | 6-D | 135 |
| End 2 | 6-D | 134 |
| E - 3 | 6-C | 40 |
| Bib | 6-D | 108 |
| A | 6-C | 37 |
| C.M.T. | 6-C | 11 |
| A.L.T. | 6-C | 16 |
| A.L.T.No.2 | 6-C | 42 |
| C.D.T.No.2 | 6-C | 41 |
| Hill Side | 6-C | 81 |
| Little Boy | 6-C | 83 |
| Ken | 6-D | 102 |
| Leen | 6-D | 106 |
| Nel | 6-D | 107 |
| End Line | 6-D | 104 |
| Kay | 6-D | 109 |
| Bud | 6-C | 11 |
| E.S.T. | 6-C | 12 |
| C.S.T. | 6-C | 14 |
| D.R.T. | 6-C | 13 |
| C.D.T. | 6-C | 17 |
| Jon | 6-D | 103 |
| T.L.T. | 6-C | 15 |
| Mark | 6-D | 105 |
| Lime T | | |
| Bill | 6-D | 101 |
| | 6-D | 110 |

(2. (b) Rights in Land, cont'd.)

(2) Unpatented Claims (cont'd.)

| Lode Name | Book No. | Page No. |
|---|---|---|
| Sis | 6-D | 111. |
| Cox | 6-D | 112. |
| Big Boy | 6-C | 82 |
| Lee | 6-D | 98 |
| Lee No.1 | 6-D | 97 |
| E - 1 | 6-C | 38 |
| E - 2 | 6-C | 39 |
| Joe | 6-D | 100 |
| Joe No.1 | 6-D | 99 |

Metes and Bounds description of Exploration Tunnel that we propose to run: Commenc. @ the East ond of exist. Equity tunnel, said E. end lying S.81°30'E, 1550.ft. from U.S.Min.Mk. No.19355; thence S.84°26'E for 625.ft, more or less; thence S.75°30'E for 1375.ft, more or less; thence East for 1200.ft, more or less, to int. with Amethyst Fault, all calls along trace of Equity Fault.

(c) Lien and Subordination Agreements (MME Form 52) attached as indicated in par. 2

3. Physical Description

(a) Attached: 2 copies of each map available on all mining & exploration operations which, to our knowledge, have been conducted on properties now under our control.

(b) thru (d) In June of 1965, Joe Cox re-opened the old Equity Mine, for purpose of exploration for silver ore. Operations were suspended in November, 1965 because of lack of funds and lack of preparation for winter weather. Four cars of ore were shipped to ASARCO Smelter in El Paso. Copies of settlement sheets attachd.

In May of 1966 operations were resumed as Equity Mines, Inc. and with limited funds. Ore was shipped as indicated by other attached settlement sheets. Our primary mission was exploratory --- ascertaining reliability of data recorded on our old available maps, and placing the old workings in a state of good repair.

Chemical analysis of surface soil samples along the fault above these old workings and to the east indicate potential silver reserves in quantity and quality (see attached results).

To date, all operations have been conducted with private funds. We are now convinced of existence of ore bodies, but adequate financing is needed for further exploration.

(3. Physical Description (cont'd.))

(e) For geologic features, please review current U. S. geologic maps --- area of Mineral County, Colorado.

(f) We expect to find ore of marketable quality along the Equity Fault and at its intersection with the Amethyst Fault because:

(1) Our exploration of the old Equity Mine workings indicate low-grade silver ore in the area of the Equity Fault we tested. In most cases, assays verify the old maps of these diggings.

(2) Chemical soil analysis of the surface, along the Equity Fault and at its intersection with the Amethyst show high potential silver deposits. Copies of analysis & assays attachd.

(3) In the area above Creede, the Amethyst Fault has proven to be the No. 1 mineral bearing fault mined to date. Our proposed exploratory tunnel along the Equity Fault should cut this intersection between major faults at depth of approx. 800. ft. below ground surface.

(g) Attached are 2 copies each of pertinent reports, maps, and other information available to us. We would appreciate their eventual return.

4. Accessability of Property

(a) Should the government desire on the ground information, please contact Mr. Les Turnipseed, Equity Mines, Inc. president, in Creede, Colorado --- telephone area code 303, No. 658-2533. The property is located approx. 7. miles north of Creede, Mineral County, Colorado --- the old Equity portal is at the headwaters of West Willow Creek, approximately 2. miles below the continental divide. From this portal the bulk of property is east, encompassing the headwaters of Deerhorn Creek. An all-weather gravel (county maintained) road leads from Creede to the portal, and there is a jeep trail to top of mountain east of portal.

(b) Supply point is Creede, where D & RGW R.R. railhead is also located. From here it is approx. 7. miles to the property.

Equity Mines, Inc. Application for Financial Assistance in Minerals Exploration (contd.)

5. Exploration Work

(a) Size of our proposed drift along Equity Fault would be a minimum of 7. ft. vertical and 5. ft. horizontal. Note trace of proposed drift on attached maps, with relation to Mineral Markers, existing mine workings & land boundaries.

(b) Existing roads in the area are sufficient for our proposed exploration.

(c) If OME contract is executed, we could commence work not later than 1 November, 1966, with completion date of 1 July, 1968. Our anticipated daily rate of progress for this tunnel (based on 1 shift) work would be 6. to 10. feet per working day with monthly progress of 150. to 180. feet. Occasional short length lateral drifting would not be included in this footage. Total length of main tunnel from start to fault intersection is approx. 3200. ft.

6. Experience --- Corporation officers & stockholders

(a) Les Turnipseed --- president --- has been a hard rock miner all his life. Raised in Creede area (father prospected and mined in this area). He has detailed first hand knowledge of mines and mining in this area as well as a working knowledge of the area's geology. Mr. Turnipseed will directly supervise the proposed work.

(b) Joe G. Cox --- vice-president --- graduate and licensed Civil Engineer --- State of Texas --- 18 years experience in heavy construction industry, primarily highways. Presently vice-pres. of Border Road Construction Co., a Texas corporation.

(c) W. W. Wyley --- Secretary/Treasurer --- Owner/operator of Cottonwood Cove Lodge, a successful operation near Creede. Presently a County Commissioner of Mineral County. Prospector/miner during 1930's. Good businessman.

Equity Mines, Inc. Application for Financial Assistance in Minerals exploration (cont'd.)

7. Costs Estimates

(a) Independent Contracts

None

(b) Personal Services

$250/week @ 6 days = $4.80/hour

| | per month |
|---|---|
| 1 Working Supervisor | $1,000. |
| 1 Miner | 1,000. |
| 3 Skilled and S.Skilled Laborers | 1,500. |
| | $3,500. |
| x 20 Months | $70,000. |

(c) Operating materials & supplies

| | per month |
|---|---|
| Fuel and Oil | $ 200. |
| Rail & Accessories | 400. |
| Air Pipe & Fittings | 100. |
| Drill Steel & Bits | 200. |
| Timber | 75. |
| Oxygen & Acetylene | 20. |
| Explosives | 400. |
| Small hand tools, air hose, etc. | 20. |
| | $1,415. |
| x 20 Months | $28,300. |

(d) Operating Equipment (All provided by Equity Mines, Inc.)

| Item | Condition | Present Fair Market Value |
|---|---|---|
| 2 Jack Hammers (I.R.) | Good | $2,000. |
| 4 Ore Cars (1 ton) | Good | 1,200. |
| 2 Small Water Pumps | Good/Fair | 150. |
| 1 Cutting/Welding Torch w/gauges, hoses, bottles | New | 200. |
| 1 Air Trammer (Manchi) | Good | 1,000. |
| 1 Air Slusher (Gard. Denver) | Good | 800. |
| 2 Air Saws (Remington) | Good | 150. |
| 1 Air Hoist (G. D.) | Good | 800. |
| 1 Air Stoper Drill (I.R.) | New | 1,200. |
| 1 Chev. Truck (1966 Dump) | New | 5,000. |
| 1 Air Compressor (1965 G. D. - 365. Cu. Ft.) | Excellent | 14,000. |
| 1 Gasoline Saw | Good | 100. |
| Rail & Air Line (800') | Excellent | ~~1,300.~~ |
| 2 Buildings, 1 New, 1 old | | 950. |
| | | $28,850. |

(e) The initial rehabilitation has already been performed with our own private funds. No cost here.

(f) No new buildings, fixtures, or installations req'd. We would want to put all funds directly into the proposed exploration proper.

Equity Mines, Inc. Application for Financial Assistance in Minerals Exploration (cont'd.)

(7. Costs Estimates (cont'd.))

(c) Miscellaneous

(1) Fair wear & tear cost of repairs and normal maintenance of Operating Equipment should be an estimated:

| Equipment Item | per month |
|---|---|
| 2 Jack Hammers (Ing.Rand) | $200. |
| 4 Ore Cars ( 1 ton Cap.) | 10. |
| 2 Small Water Pumps | 20. |
| 1 Cut.& Weld. Torch,etc. | 5. |
| 1 Air Trammer (Manchi) | 25. |
| 1 Air Slusher (Car.Denver) | 25. |
| 1 Air Saw (Remington) | 5. |
| 1 Air Hoist (G. D.) | 10. |
| 1 Air Stoper Drill (I.R.) | 10. |
| 1 Chev. Truck ('66 Dump) | 25. |
| 1 Air Compressor (365.C.F.) | 25. |
| 1 Gasoline Saw | 10. |
| | $370. |
| x 20 Months | $7,400. |

(2) Analytical Work & Accounting, etc.

| | per year |
|---|---|
| Assays, Engineering & Geological advice etc. | $1,000. |
| Accounting | 300. |
| Workman's Compensation | 1,500. |
| Employee's Liability Ins. | 1,300. |
| Payroll taxes, State & Fed. | 1,300. |
| | $5,600. |
| x 1 5/6 | $10,267. |

TOTAL $144,817.

Note: These costs are based on working one shift per day. With available labor, the operation can be upped to 2 shifts per day, with resultant decrease in some of above costs because of cutting project duration in approximate one-half.

Equity Mines, Inc.

by: Les Turnipseed
Les Turnipseed, Pres.

ASSIGNMENT OF MINING LEASE AND OPTION

This Assignment of Mining Lease and Option made this 20 day of April, 1965, by and between C. R. MURRAY and MARTHA MURRAY, his wife, of Albuquerque, New Mexico, hereinafter collectively referred to as Assignor, and JOE COX of Box 1955, Monohans, Texas, hereinafter referred to as Assignee,

WITNESSETH:

For and in consideration of the sum of Two Hundred Fifty Dollars ($250.00) to Assignor in hand paid by Assignee, the receipt whereof is hereby acknowledged, Assignor hereby sells, assigns, transfers and conveys to Assignee all his right, title and interest in and to that Certain Mining Lease and Option dated September 16, 1963, the same being by and Between A. D. WHITTEN, LESLIE TURNIPSEED, CLIFFORD M. FREY, ROBERT M. ELLITHROPE, HARRY V. ELLITHROPE and C. R. MURRAY, subject to the following terms and conditions.

Assignee agrees and convenants with Assignor that he will accept the said Assignment subject to all terms and conditions set forth in the aforedescribed Mining Lease and Option, the same as if all such terms and conditions were set forth in full herein.

Assignor covenants and warrants to Assignee:

(a) The aforedescribed Mining Lease and Option remains in full force and effect and that Assignor has not abandonded or cancelled the same.

True
Certified Copy of
Original Document.

Joe G. Cox

Joe G. Cox
Notary Public
Ward County, Texas

(b) Assignor has neither received nor given notice of cancellation or default from lessors as provided for in the aforedescribed Mining Lease and Option.

(c) Assignor has made no prior assignments of his entire interest or any part thereof in and to the aforedescribed Mining Lease and Option.

(d) Assignor has given no prior change of address wherein notice or notices as provided for in the aforedescribed Mining Lease and Option are to be mailed.

IN WITNESS WHEREOF the parties hereto have executed this Assignment of Mining Lease and Option this 20 day of April, 1965.

C. R. Murray
Assignor

Martha J. Murray
Assignor

Joe Cox
ASsignee

STATE OF NEW MEXICO )
) ss.
County of Bernalillo )

The foregoing instrument was acknowledged before me this 20 day of April, 1965, by C. R. Murray and Martha Murray, his wife.

Thomas D Olson
Notary Public

(SEAL)

My commission expires: 7/18/68



True
Certified Copy of
Original Document.

Joe G. Cox
Joe G. Cox
Notary Public
Ward County, Texas

STATE OF New Mexico )
) ss.
County of Bernalillo )

The foregoing instrument was acknowledged before me this 20th day of April, 1965, by Joe Cox.

Phyllis Wesenfrost
Notary Public

(S E A L)

My commission expires: 1-20-69.

Certified True Copy of
Original Document.

Joe G. Cox
Joe G. Cox
Notary Public
Ward County, Texas

92, 31979.

ASSIGNMENT OF MINING LEASE AND OPTION

C.R. MURRAY AND MARTHA MURRAY

TO

JOE COX

STATE OF COLORADO,
County of Mineral } ss.

I hereby certify that this instrument was filed for record in my office at 9:45 o'clock A.M., April 21, 19 6[illegible] and is duly recorded in Book 110-J Page 206

C. Alice Rogers
RECORDER

By ..... DEPUTY.

Certified True Copy of
Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

Indexed
Compared

ASSIGNMENT OF MINING LEASE AND OPTION

THIS ASSIGNMENT, Made and entered into between JOE COX, of Monohans, Texas and EQUITY MINES, INC, Assignor and Assignee, respectively, Equity Mines, Inc., being a Colorado corporation;

W I T N E S S E T H:

For and inconsideration of One Dollar and other good and valuable consideration in hand paid by Assignee, the receipt whereof is hereby confessed and acknowledged, Assignor hereby sells, assigns, transfers and conveys all his right, title and interest in and to that certain Mining Lease and Option dated September 16, 1963 between C. R. Murray and Martha Murray and A. D. Whitten, Leslie Turnipseed, Clifford M. Frey, Robert M. Ellithorpe, Harry V. Ellithorpe and C. R. Murray, which said Mining Lease and Option has been heretofore assigned from said C. R. Murray and Martha Murray as of April 20, 1965, such Assignment being recorded in Book 110-J at page 206 of the County records of Mineral County, Colorado, to Assignor herein, to EQUITY MINES, INC. Assignee.

IN WITNESS WHEREOF the parties have executed this instrument at Del Norte, Colorado this 6th day of June, 1966.

Joe G. Cox
ASSIGNOR

ATTEST:

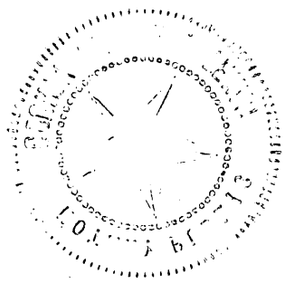
Secretary

EQUITY MINES, INC. a Colorado corporation

Leslie Turnipseed
Assignee-- President

Certified True Copy of Original Document.

Joe G. Cox
Notary Public
Ward County, Texas



No. 31257.

ASSIGNMENT OF MINING LEASE & OPTION

JOE G. COX

TO

EQUITY MINES, INC.

STATE OF COLORADO, }ss.
County of Mineral

I hereby certify that this instrument was filed for record in my office, at 10:45 o'clock A.M. July 18, 1966 and is duly recorded in Book 110 J Page 407

C. Alee Rogers
RECORDER.

By _____
DEPUTY

Fee 1.50

Indexed
Compared.

Certified True Copy of
Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

MINING LEASE AND OPTION

THIS INDENTURE made as of the 16 day of September, 1963, by and between A. D. WHITTEN, as owner of a 1/20 share, LESLIE TURNIPSEED, as owner of 50% of a 19/20 share, CLIFFORD M. FRYE, as owner of 16% of a 19/20 share, ROBERT M. ELLITHROPE, as owner of 16% of a 19/20 share, and HARRY V. ELLITHROPE, as owner of 18% of a 19/20 share, hereinafter called "LESSOR" and C. R. MURRAY, of Albuquerque, New Mexico, hereinafter called "LESSEE";

WITNESSETH:

That in consideration of the premises and of the sum of $10.00 paid to Lessor, the receipt of which is hereby acknowledged, and in consideration of the covenants and agreements hereinafter set forth by Lessee to be kept and performed, the Lessor does hereby grant, demise and lease to Lessee for the term commencing on the 16th day of September, 1963, to and including the 16th day of September, 1968, the following lode mining claims situate in the King Solomon Mining District in Mineral County, Colorado, described as follows, to-wit:

Patented Mining Claims

| Name of Claim | Twp. | Range |
|---|---|---|
| Equity 4 | 1 W | 42 N |
| Equity 5 | 1 W | 42 N |
| Equity 6 | 1 W | 42 N |
| Equity 7 | 1 W | 42 N |
| Equity 8 | 1 W | 42 N |
| Equity 9 | 1 W | 42 N |
| Equity 10 | 1 W | 42 N |
| Equity 11 | 1 W | 42 N |
| Equity 12 | 1 W | 42 N |

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Original Document.

Joe G. Cox
Joe G. Cox
Notary Public
Ward County, Texas

Together with all and singular the mines, minerals, lodes, and veins within the lines of said claims, respectively, and their dips and spurs, and all tools, fixtures, plants, and improvements, rights, and appurtenances thereunto belonging.

TO HAVE AND TO HOLD the same for the purpose of mining without right of assigning or subletting the whole of said premises or any part thereof, except as hereinafter specifically provided.

ROYALTIES:

Lessor reserves and Lessee agrees to pay the following royalties on the mining properties during the term of this Lease or until Lessee exercises his option to purchase the mining properties as hereinafter provided.

Lessor reserves and Lessee agrees to pay a royalty of five per cent (5%) of the net smelter returns as hereinafter defined, on all crude or concentrated ore mined, shipped, milled or sold from any part of the mining properties. The term "net smelter returns" shall mean all sums received by Lessee for ores from the mining properties or from any other sources of revenue on account of theproduction, sale and/or disposal of any and all ores mined from the mining properties, less any freight, truck, or treatment charges (not) deducted by the Purchaser. Lessee shall instruct the smelter or ore buyer purchasing such ore to remit to the Rio Grande County Bank, Del Norte, Colorado, for the credit of Lessor, a royalty of five per cent (5%) of all said net smelter returns due from or on account of ores or concentrates smelted, treated, and produced from said mining properties, together with two (2) liquidation sheets for each lot from all shipments so purchased or treated. Lessee shall direct said bank to hold one (1) copy of such liquidation sheet invoice and to deliver the other copy to Lessor or Order.



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Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

In lieu of any agreement or obligation on the part of Lessee to perform any specified amount of work upon said mining properties from and after the 9th month of said term, Lessee covenants and agrees that if the royalty payable to Lessor hereunder from and after the 9th month of the term of this Lease shall be less than $50.00, Lessee shall pay to Lessor at the end of said months the difference between said sum of $50.00 and the amount of royalties payable for said month to and including the 15th month of this Lease and from and after the 15th month hereof, if the royalties payable to Lessor shall be less than $330.00 per month, Lessee shall pay the Lessor the difference between said sum of $330.00 and the amount of royalties payable for said month during the entire remaining term of this Lease. The minimum royalty payable provided for herein shall be payable to Lessor within fifteen (15) days after the end of each month for which such minimum royalty is payable by Lessor.

OPERATION OF THE PREMISES:

During the entire term of this Lease, Lessee shall have free and unrestricted access to said mining property, the right to explore, mine and develop same and to extract and remove ore and material therefrom and to ship, sell, mill, or smelt the same or to have the same smelted by another.

All work done on said mining properties by Lessee shall be performed in a good and workmanlike manner and after the matter of good mining and all work where necessary by the State Mining Inspector or his deputy, shall be timbered properly and substantially with a view of developing and maintaining such



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Joe G. Cox
Notary Public
Ward County, Texas

mining properties as a workable mine, and all mine opening which are necessary to the mine workings shall be kept clean of debris and all kinds of obstructions and in good condition to be entered and used. The laws of the United States and the State of Colorado and the rules and regulations of the mining authority of said governments shall be promptly complied with.

Lessee agrees to post as provided by law and keep posted notice to the effect that said mining properties are being operated by Lessee by virtue of this Lease and that Lessor and the mining properties are not liable for any claims or claim, liens or debts resulting from said mining operation or any claims for injuries, deaths, and materials, growing out of Lessee's operations and that Lessee is solely responsible for all such claims and demands. Lessee promises and agrees that all miners, laborers, and other persons who may furnish labor and material during the life of this Lease and to whom any sum may be due for such labor or materials shall be promptly paid by Lessee.

TAXES:

During the life of this Lease, Lessee shall pay and discharge all taxes levied upon the mining properties excepting for the years prior to 1963, and shall pay one-fourth of the tax for 1963, and the entire amount for the subsequent years while this Lease remains in full force and effect. Lessee shall pay all taxes levied upon equipment or improvements placed upon the mining properties by or under the direction of Lessee or used by Lessee in his operation hereunder.

INSPECTION:

Lessee shall allow Lessor by its duly authorized agents at all reasonable times to enter upon and descend into all parts of said mining properties for the purpose of inspection, survey,



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Joe G. Cox
Notary Public,
Ward County, Texas

or sampling, provided that such entry, survey, or sampling shall not hinder or interrupt the progress of Lessee's work hereunder and all such inspections, surveys, and samplings, shall be at the risk and expense of Lessor.

Lessee shall allow Lessor's authorized agent, at all reasonable times when accompanied by Lessee, access to and examination of such of Lessee's books and papers as shall relate to the mining, treating, and shipping of ores from said mining properties. Lessee further agrees upon termination of this Lease and option for whatever cause to furnish Lessor a report in writing upon the factual data disclosed by Lessee's operations hereunder.

LIABILITY FOR INJURIES:

Lessee shall assume any and all liability arising from any accident or injury to Lessee's agents or employees in or about the mining properties incurred by and in the course of Lessee's operation upon or within the mine properties and agrees that Lessee shall at his own cost carry a liability insurance in form and substance satisfactory to the State of Colorado in that behalf. Lessee shall comply with the provisions of all lawful and valid legislation, State and Federal including, but not limited to, the Workmen's Compensation Act of Colorado and all federal and state tax acts and shall make all payments, returns, and reports required by such acts and shall at all times protect and save harmless Lessor from any and all liability for damages, claims, actions, suits, or compensation for any matter or thing arising out of the work and operation conducted in or upon said mining properties.

DEFAULT:

Should Lessor claim or assert any breach or default in the performance of this Contract by Lessee, Lessor shall give



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Joe G. Cox
Notary Public,
Ward County, Texas

written notice specifying the respects in which Lessee shall have failed or refused to comply with the terms hereof. After receipt of such notice, Lessee shall have sixty (60) days within which to cure or remedy such breach or default before Lessor shall be entitled to declare a forfeiture of this Lease and Option to purchase as hereinafter set out. Should this Contract be terminated by cancellation or abandonment, Lessee shall peacefully surrender the mining properties to Lessor with all the shafts and other improvements of a permanent nature thereon in good order and condition, except for reasonable wear and tear, or casualty or condition beyond Lessee's control. Upon any such termination, Lessee shall have no claim against Lessor for repayment of any amounts theretofore paid by Lessee. This provision shall not, however, apply to any mill which may be placed on the mining properties.

In the event of the cancellation or other termination of this Lease all personal property and equipment which have been placed on the mining properties at the cost of Lessee may be removed by Lessee at anytime within ninety (90) days after termination or cancellation of this Lease for such purposes; it being specifically understood and agreed that all mining timbers, chutes, headframes and buildings shall upon cancellation of this agreement be and remain a permanent part of the property and shall not be removed; and it being further specifically understood that Lessee shall have two years in which to move any mill which may have been placed upon this property.

OPTION:

Lessor hereby grants to Lessee the sole and exclusive right and option on or before the 16 day of September, 1968, to purchase the mining properties together with all improvements thereon by payment to Lessor as consideration for a good and



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Joe G. Cox
Notary Public,
Ward County, Texas

merchantable title to the mining properties, the sum of One Hundred Thousand Dollars ($100,000.00), it being understood and agreed that all payments theretofore made by Lessee to Lessor under the provisions of this indenture including all royalties, shall apply upon and go to reduce the amount of said purchase price.

Notice of election to purchase the mining properties by Lessee shall be made in writing addressed to Lessor at least thirty (30) days prior to the expiration of the option period hereinabove mentioned. Upon the exercise by Lessee of the option to purchase hereinabove granted to him and upon payment of the balance due on said purchase price, Lessor shall deliver to Lessee its Warranty Deed to the patented lode mining claims hereinabove described and shall furnish Lessee an Abstract of Title to said mining properties evidencing clear and merchantable title.

NOTICE:

Any notice served upon Lessee shall be in writing and service shall be sufficient if such notice shall be deposited in the United States mail postage prepaid, registered and addressed as follows:

C. R. MURRAY
609 Sycamore, N.E.
Albuquerque, New Mexico

unless such addresses is changed in writing designated by written notice to Lessor. Any notice served upon Lessor shall be in writing and service shall be sufficient if such notice shall be deposited in the United States mail, postage prepaid, registered, and addressed as follows:

LESLIE TURNIPSEED
Creede, Colorado

CC: RIO GRANDE COUNTY BANK
Del Norte, Colorado



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Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

Or in such other manner and at such other address as Lessor may in writing designate by written notice to Lessee.

ASSIGNMENT:

This instrument may be assigned in whole or in part provided that all terms and conditions of this Lease shall be binding on the assignee.

CANCELLATION BY LESSEE:

Notwithstanding any other provisions herein contained, Lessee may terminate this agreement by giving to Lessor thirty (30) days of such intention to terminate. Upon the expiration of said thirty (30) day period, this Lease shall be cancelled and terminated and neither party shall be thereafter liable to theother for the performance of any condition or covenant herein contained except for the payment of any accrued royalties to the date thereof due hereunder to Lessor.

Each and every covenant and clause of this indenture shall extend to benefit and bind the heirs, representatives, successors, and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have caused this indenture to be filed the day and year first above written.

LESSOR:

Nita M. Whitten
A. D. WHITTEN

Leslie Turnipseed
LESLIE TURNIPSEED

Clifford M. Frye
CLIFFORD M. FRYE

Robert M. Ellithrope
ROBERT M. ELLITHROPE

Per Harry V. Ellithrope



Certified True Copy of
Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

Harry V. Ellithorpe

HARRY V. ELLITHROPE

LESSEE:

C. R. Murray

C. R. MURRAY

STATE OF COLORADO )
)ss.
COUNTY OF _____ )

The foregoing instrument was acknowledged before me this _____ day of September, 1963, by A. D. WHITTEN.

_____
Notary Public

My Commission Expires:

_____

STATE OF COLORADO )
)ss.
COUNTY OF Mineral )

The foregoing instrument was acknowledged before me this 16 day of September, 1963, by LESLIE TURNIPSEED.

C. Elise Rogers
Notary Public
Mineral County Clerk

My Commission Expires:
With Office

STATE OF COLORADO )
)ss.
COUNTY OF Mineral )

The foregoing instrument was acknowledged before me this 28 day of September, 1963, by CLIFFORD M. FRYE.

C. Elise Rogers
Notary Public
Mineral County Clerk

My Commission Expires:
With Office



Certified True Copy of
Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

STATE OF COLORADO )
)ss.
COUNTY OF Mineral )

The foregoing instrument was acknowledged before me this 28 day of September, 1963, by ROBERT M. ELLITHROPE. by Harry V. Ellithrope P.A.

C Alice Rogers
Notary Public
Mineral County Clerk

My Commission Expires:
With Office

STATE OF COLORADO )
) ss.
COUNTY OF Mineral )

The foregoing instrument was acknowledged before me this 26 day of September, 1963, by HARRY V. ELLITHROPE.

C Alice Rogers
Notary Public
Mineral County Clerk

My Commission Expires:
With Office

STATE OF NEW MEXICO )

**ACKNOWLEDGMENT FOR A NATURAL PERSON ACTING IN HIS OWN RIGHT**

STATE OF NEW MEXICO
COUNTY OF Bernalillo } ss.

The foregoing instrument was acknowledged before me this 15 day of April, 1965,
by C. R. Murray
(Name or Names of Persons or Persons Acknowledging).

My commission expires:
(Seal) 6-30-67

Notary Public

FORM 117 (REV. 8/60) THE VALLIANT CO. ALBUQUERQUE, N. M.

Certified True Copy of
Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

Supplemental Agreement To Mining Lease & Option

Whereas on or about the 16th day of September, 1963 a Mining Lease & Option was entered into by and between Neita M. Whitten, successor in title to A D Whitten, deceased, and C R Murray covering Equity Mining Claims 4 through 12 in the King Solomon Mining Disrtict in Mineral County, Colorado( said claims being located in Range ~~XXXX~~ 1W and Twp 42N) and it being mutually agreeable to both Neita M. Whitten and C R Murray to make a change in the original agreement covering the Warranty of Title and Merchantably of same the following is substituted for sentence two of the first complete paragraph of page seven of the original agreement:

Upon the exercise by Lessee of the option to purchase hereinabove granted to him and upon payment of the balance due on said purchase price, Neita M. Whitten or her successors in title shall deliver to the Lessee a Quit Claim Deed covering the interest transfered and coveying only such interest as might be owned by Neita M. Whitten or her successors in title.

This agreement in no way affects any other interest but that of Neita M. Whitten and in no way changes any part of the original agreement except that referred to in the paragraphs above.

This Supplemental Agreement is hereby made a part of the original agreement and is attached hereto and must be made a part of any subsequent agreements, recoredings, etc that are to be made of public record, used in any mortgage indebtedness and all like transactions.

Acceptance is hereby acknowledged by both parties, with the acknowledgement of the original instrument also serving as acknowledgement of this Supplemental Agreement.

Lessor:

Neita M. Whitten

~~XX~~ Neita M. Whitten

Lessee:

C. R. Murray

C R Murray

STATE OF Oklahoma
COUNTY OF Tulsa } SS:

ACKNOWLEDGMENT, Applicable where lands are in Oklahoma, Kansas, Nebraska, South Dakota, Arizona and or New Mexico

BE TO REMEMBERED, That on this 23 day of September A. D., 19 63, before me, a Notary Public, in and for said County and State, personally appeared Neita M. Whitten

to me known to be the identical person.... described in and who executed the within and foregoing instrument and acknowledged to me that she executed the same as her free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my official signature and affixed my notarial seal, the day and year first above written.

My commission expires 9-21-64

Eugene Kala
Tulsa, Oklahoma
Notary Public

Certified True Copy of Original Document.

Joe C. Cox
Notary Public
Ward County, Texas

STATE OF NEVADA )
) ss
County of Washoe )

On this 13th day of September, 1963, before me, the undersigned, personally appeared ROBERT M. ELLITHORPE, known to me to be the person described in and who executed the foregoing instrument, who acknowledged to me that he executed the same freely and voluntarily, and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe, State of Nevada, the day and uear in this certificate first above written.

Gregory F. Engelhard
Notary Public in and for said County and State

My Commission expires: Jan 10, 1966

Certified True Copy of Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

THAT I, ROBERT M. ELLITHORPE, of Washoe County, State of Nevada, have made, constituted, and appointed, and by these presents do make, constitute and appoint HARRY V. ELLITHORPE, of Monte Vista, Colorado, my true and lawful attorney, for me in my name, place and stead, and for my use and benefit to make seal and deliver, to bargain, contract, agree for, to lease, let, demise, bargain sell, remise, release, convey any lands that I may own in Mineral County, Colorado, upon such terms and conditions, and under such covenants as he shall think fit. Also, for me in my name, and as my act and deed, to sign, seal, execute, deliver and acknowledge such deeds, leases and assignments of leases and other instruments in writing as may be proper in the premises.

Giving and granting unto my said attorney full power and authority to do and perform all and every act, thing, and deed whatsoever requisite and necessary to be done in and about the premises, as fully to all intents and purposes as I might or could do if personally present, with full power of substitution or revocation hereby ratifying and confirming all that my said attorney shall lawfully do or cause to be done by virtue of these presents.

SIGNED this 13th day of September, 1963.

Robert M. Ellithorpe
ROBERT M. ELLITHORPE

Certified True Copy of
Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

No. 31278

MINING LEASE AND OPTION

A.D. WHITTEN, LESLIE TURNIPSEED,
CLIFFORD M. FRYE , ROBERT M.ELLITHROPE
& HARRY V. ELLITHROPE

TO

C.R. MURRAY

STATE OF COLORADO }
County of Mineral } ss.

I hereby certify that this instrument was filed for record in my office at 9:30 o'clock A.M. April 21, 1965 and is duly recorded in Book 110-J Page 202-206

Ellen Rogers
RECORDER

By _____
DEPUTY

Certified True Copy of
Original Document.

Joe G. Cox
Notary Public
Ward County, Texas

Recorded at ..... o'clock ..... M., ..... of ..... Page .....

Reception No. 31254 Chloe Rogers Recorder.

THIS INDENTURE, Made this 15th day of June, in the year of our Lord one thousand nine hundred 66, between

LESLIE TURNIPSEED

of the County of Mineral and State of Colorado, party of the first part, and

EQUITY MINES, INC.

of the County of MINERAL and State of Colorado, party of the second part;

WITNESSETH, That the said party of the first part, for and in consideration of the sum of For One Dollar and other good and valuable consideration - - - ~~Dollars~~, 100

to him in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, has granted, bargained, sold, remised, released and forever quit-claimed, and by these presents does grant, bargain, sell, remise, release and forever quit-claim, unto the said party of the second part, its ~~heirs~~ successors and assigns, the following described property, situate, lying and being in King Solomon Mining District, in the County of Mineral, and State of Colorado, to-wit:

all my right, title and interest in and to the following patenned claims: Equity No. 4, 5, 6, 7, 8, 9, 10, 11 and 12, Township 42 No, Range One W NMPM all of such claims being patented and recorded in Mineral County, Colorado;

and

all my right, title and interest in and to the following:

Unpatented Mining Claims

| LODE NAME | RECEPTION NO. | LODE NAME | RECEPTION NO. |
|---|---|---|---|
| End 11 | 31427 | E. S. T. | 30416 |
| End 1 | 31429 | C. S. T. | 30418 |
| End 2 | 31428 | D. R. T. | 30417 |
| E - 3 | 30591 | C. D. T. | 30421 |
| Bib | 31396 | Jon | 31391 |
| A | 30576 | T. L. T. | 30419 |
| C. M. T. | 30415 | Mark | 31393 |
| A. L. T. | 30420 | Limet | 31389 |
| A. L. T. No. 2 | 30593 | Bill | 31398 |
| C. D. T. No. 2 | 30592 | Sis | 31399 |
| Hill Side | 30891 | Cox | 31400 |
| Little Boy | 30893 | Big Boy | 30892 |
| Ken | 31390 | Lee | 31386 |
| Leen | 31394 | Lee No. 1 | 31385 |
| Nel | 31395 | E - 1 | 30589 |
| End Line | 31392 | E - 2 | 30590 |
| Kay | 31397 | Joe | 31388 |
| Bud | 30414 | Joe No. 1 | 31387 |

TOGETHER with all the dips, spurs, and angles, and all the metals, ores, gold and silver-bearing quartz, rock and earth therein, and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith usually had and enjoyed; and all and singular the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining, and the rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever, as well in law as in equity, of the said party of the first part, of, in or to the said premises, and every part and parcel thereof, with the appurtenances.

TO HAVE AND TO HOLD, all and singular, the said premises, together with the appurtenances and privileges thereto incident, unto the said party of the second part its successors ~~heirs~~ and assigns forever.

IN WITNESS WHEREOF, The said party of the first part has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of

Leslie Turnipseed [SEAL]

..... [SEAL]

..... [SEAL]

STATE OF COLORADO, } ss.
County of Rio Grande

The foregoing instrument was acknowledged before me this 15th day of June A. D. 19 66, by Leslie Turnipseed.

My commission expires April 15, 19 69. Witness my hand and official seal.

Alfred H. Allen
Notary Public.

True Certified Copy of Original Document.
Joe G. Cox, Notary Public, Ward County, Texas

NO. 31254

# MINING DEED

LESLIE TURNIPSEED

TO

EQUITY MINES, INC.

STATE OF COLORADO
County of MINERAL } ss.

I hereby certify that this instrument was filed for record in my office at 10:30 o'clock A.M., July 18, 1966 and is duly recorded in book 110-J page 402

Chloe Rogers
Recorder.

By .....
Deputy.

Fees, $ 1.50

7-56 BRADFORD-ROBINSON PTG. CO., DENVER

Indexed
Compared.

True
Certified Copy of Original Document.
Joe G. Cox, Notary Public, Hard County, Texas

1966 SETTLEMENT SHEETS

OFFICIAL COPY O. M. F. RECEIVED NOV 15 1966 INITIALS CODE

CANCELS AND SUPERSEDES SCHEDULE NO. 2289

**PURCHASE SCHEDULE** 2299

**American Smelting and Refining Company**
EL PASO SMELTING WORKS
EL PASO, TEXAS

**Date Effective** July 10, 1966

**Mine** EQUITY **Location** Creede, Colorado

**Shipper** JOE G. COX **Address** P.O.Box 1955, Monahans, Texas 79756

**Character Ore** SILICEOUS SILVER ORE **R. R. Station** Creede, Colorado

The following purchase terms are subject to the General Clauses shown on the back of this sheet, and are subject to change on 30 days notice. Unless shipments are begun within 30 days this quotation is automatically cancelled.

**DELIVERY:** F. O. B. unloading bins American Smelting and Refining Company, El Paso, Texas. The rates quoted are based upon shipment in gondola equipment. Extra unloading charges of $1.00 per dry ton will be assessed for products received in box cars.

## PAYMENTS

**GOLD:** If .03 of an ounce per dry ton or over pay for 92.57% at the net realized price. Under present Mint price this is equivalent to paying for 100% at $32.3185 per troy ounce.

**SILVER:** Pay for 95% (minimum deduction of ½ ounce) at the average Handy & Harmon New York Silver quotations adjusted to the basis applicable to silver contained in unrefined silver-bearing material for calendar week, including date of delivery of last car of each lot at plant of Buyer, or, if higher, at the realized Mint price provided silver qualifies for Government purchase and affidavit is furnished, less a deduction in either case of 2½¢ per ounce.

**COPPER:** Deduct from the wet copper assay 8 pounds and pay for 95 percent of the remaining copper at the daily net domestic refinery quotations for electrolytic wire bars as published in the E. & M. J. (Metal and Mineral Markets) averaged for the calendar week including date of delivery of last car of each lot at the plant of Buyer less a deduction of 3.70 cents per pound of copper accounted for. Nothing paid for copper if less than one-half per cent by wet assay.

Silica Credit: Credit the base charge 10¢ per dry ton for each unit of silica (SiO2) in excess of 50%, fractions in proportion.

No payment will be made for any metal or content except as above specified.

## DEDUCTIONS

**BASE CHARGE:** $ 6.00 per net dry ton of 2,000 pounds; provided the sum of payments for gold, silver, and copper does not exceed $ 30.00 per ton. Add to the base charge ten per cent of the excess over $ 30.00 to a maximum charge of $ 8.50 per dry ton.

No Charge ( The base charge just specified is for ores containing at least eight pounds of copper per ton; when a smaller quantity is contained, there will be added to the base charge a sum equivalent to the value of the deficiency between actual contents and eight pounds per ton computed according to the terms specified herein for copper payment.

**INSOLUBLE:** Allow all units free; charge for excess at cents per unit, fractions in proportion.

**ZINC:** Allow five units free; charge for the excess at thirty cents per unit, fractions in proportion.

**ARSENIC:** Allow two units free; charge for the excess at $0.50 per unit, fractions in proportion.

**ANTIMONY:** Allow one unit free, charge for the excess at $1.50 per unit, fractions in proportion.

**BISMUTH:** One-tenth of one percent (0.1%) by wet assay allowed free, excess charged at 50¢ per pound, fractions in proportion.

**TAXES:** See Clause 1 on reverse side of this schedule.

**FREIGHT:** All railroad freight and delivery charges for account of shipper. Deduct from settlement freight and other advances made by Buyer.

**TONNAGE:** Limited to --- tons per month except by special arrangement.

cc: Mr. Lesley Turnipseed
Creede, Colorado

**AMERICAN SMELTING AND REFINING COMPANY**

By Reed F. Welch

(over) REED F. WELCH

HILL PRINTING CO.—EL PASO

# General Clauses Governing All Open Schedules

1. **Taxes:** All taxes or other governmental charges, national, local or municipal, now or hereafter imposed in respect to or measured by the product purchased hereunder, or the production, extraction, smelting, refining, sale, transportation, proceeds or value thereof, or of the metals derived therefrom, other than income taxes levied upon the BUYER, shall be for account of the SELLER and shall be deducted from the purchase price payable hereunder.

2. **Sampling:** Weighing, moisture and ore sampling (at which Seller or a representative may be present) as done by Buyer according to standard practice, promptly after receipt of product, will be accepted as final. The absence of Seller or a representative shall be deemed a waiver of the right in each instance. After sampling, the product may be placed in process, commingled, or otherwise disposed of by Buyer.

3. **Assaying:** As soon as available Buyer will furnish a pulp sample to Seller, or to Seller's representative or the firm handling Seller's assay work. On Seller's request Buyer will make assay comparison with Seller, or his representative, by exchange of assay certificates over the counter. Comparison may be made by exchange of certificates through the mail, and in such event Buyer and Seller will mail to each other their respective assay certificates on the sixth day following date appearing on smelter pulp sample envelope, or other such date as may be agreed upon. The following splitting limits will be used for comparison of assays under either exchange method listed above:

Gold — .02 troy ounce per ton
Silver — .5 troy ounce per ton
Lead — 0.5%
Copper — 0.3%

If assays of Buyer and Seller are within limits above specified, settlement assays will be determined by averaging the two results. If assay comparisons indicate differences greater than the above limits, control sample shall be submitted to umpire. Umpires shall be selected in rotation from a list mutually agreed upon, whose assays shall be final if within the limits of the assays of the two parties; and if not, the assays of the party nearer to the umpire shall prevail. Losing party shall pay cost of umpire. In case of Seller's failure to make or submit assays, Buyer's assays will govern.

4. The rates quoted herein are for carload lots. On any lot containing one ton or less, there will be a sampling and handling charge of $10.00. This charge will be decreased $1.00 for each ton in excess of one ton.

5. In this schedule where the word "ton" is used, it is understood to be a ton of two thousand pounds avoirdupois; where the word "ounce" is used, as referring to gold and silver, it is understood to mean the troy ounce; and where the word "unit" is used, it is understood to mean one per cent of a ton, or twenty pounds avoirdupois.

6. The rates quoted herein are based on present published all rail freight rates on lead and copper bullion from El Paso, Texas to New York City. Any increase or decrease is for account of Seller and proper deduction or credit will be made accordingly.

7. Seller should consign his shipments to American Smelting and Refining Company, El Paso Smelting Works, El Paso, Texas, and it is required that the original bill of lading covering each such shipment be delivered to the Buyer promptly on release of the shipment to the carrier. Full details as to the disposition of settlement returns, including royalty instructions if any, must be furnished by Seller to Buyer before shipments can be processed.

**AMERICAN SMELTING AND REFINING COMPANY**

El Paso, Texas

**El Paso Smelting Works**

(over)

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

BOUGHT OF: JOE COX
ADDRESS: PO BOX 1497 MONAHANS, TEX
SHIPPING POINT: CREEDE, COLO.
NAME OF MINE:

EL PASO, TEXAS, 7/21/66 19
SMELTER LOT: 1839
SHIPPERS LOT: E-5
CLASSIFICATION: PB ORE
PURCHASE TERMS: 2289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 163 | 9/6 | 47226 | DRG | | | | | 88300 | 10.6 | 78940 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 1.289 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 6-6 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .055 | 12.3 | 0 | .10 | | 75.4 | | | | | | .20 | .15 | 0 | | |
| SHIPPER | .09 | 12.6 | | | | | | | | | | | | | | |
| UMPIRE | .080 | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .080 | 12.45 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|
| GOLD MIN. % | | .080 | 32 | 3185 | 2.59 | 2.59 | |
| SILVER LESS MIN. 95 % | | 11.8275 | 12 | 740 | 15.07 | 15.07 | |
| LEAD LESS #0 % | | | | | | | |
| COPPER LESS #0 % | | | | | | | |
| #0 % | | | | | | | |
| #0 % | | | | | | | |
| GROSS VALUE (MEX. CLASS ) | | | | | 17.66 | 17.66 | |
| TREATMENT DEDUCTIONS | | | | | TREATMENT COST | FREIGHT COST | |
| BASE CHARGE – (INCL. LABOR ADJ.) | | | | | 6.00 | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | | | | | | |
| ~~LEAD~~ OR ~~COPPER~~ – CONTENT SILICA 10 @ UNITS SILICA + 50 | | | | | -2.54 | -2.54 | |
| LEAD PRICE ESCALATOR | | | | | | | |
| COPPER PRICE ESCALATOR | | | | | | | |
| COPPER DEFICIENCY | | | | | | | |
| ZINC OR COMBINATION PENALTY | | | | | | | |
| ARSENIC OR " " | | | | | | | |
| ANTIMONY OR " " | | | | | | | |
| BISMUTH OR " " | | | | | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | | | | | |
| INSOL/MOISTURE/COBALT " | | | | | | | |
| SACKS OR DRUMS | | | | | | | |
| TRUCK OR BOX CAR | | | | | | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | | | | | 3.46 | 3.46 | |
| FREIGHT VALUE DRY TONS COMPL. % | | | | | | 14.20 | |
| (MEX. COMDTY. ) | | | | | | | |
| NET VALUE DRY TONS | 39.470 | @ | | | 14.20 | | |

Car #5

PROOF NET METAL VALUE -134

FRT. VALUE NET TONS 12.69

CREDITS 560.47

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 44.15 @ 7.88 | | 347.90 |
| SWITCHING $ RESET $ 1 @ 1.29 | | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS @ 122.45 (Hauling 2.00 Wet Tons) | | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE Root + Simpson | — | |
| ROYALTIES | | |
| ROYALTIES 5% HFT | | 3.94 |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | | 207.34 |
| TOTALS | | 560.47 |

560.47

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 7-14 |
| | 7/14 | |
| | | |

(P)

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

7/21/66

BOUGHT OF Joe Cox
ADDRESS Po Box 1955 Monahans, Tex
SHIPPING POINT Creede, Colo.
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 2050
SHIPPERS LOT
CLASSIFICATION PB ORE
PURCHASE TERMS 3289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M NO. | SPL. TARE WTG. | C | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 194 | 7/5 | 46187 | DRG | | | | | | 91680 | 8.4 | 83979 | COINAGE SILVER |
| | | | | | | | | | | | | FGN SILVER 1.289 |
| | | | | | | | | | | | | LEAD |
| | | | | | | | | | | | | COPPER |
| | | | | | | | | | | | | B/L DATE 6-20 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .055 | 16.0 | 0 | .10 | | 71.6 | | | | | | | | | | |
| SHIPPER | .075 | 16.40 | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .065 | 16.40 | — | — | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .065 | 32 | 3185 | 2.10 | 2.10 |
| SILVER LESS MIN. 95 % | | 15.39 | 12 | 740 | 19.61 | 19.61 |
| LEAD LESS NO % | | | | | | |
| COPPER LESS NO % | | | | | | |
| NO % | | | | | | |
| NO % | | | | | | |
| GROSS VALUE (MEX. CLASS ) | | | | | 21.71 | 21.71 |
| TREATMENT DEDUCTIONS | | | | | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | | | | | 6.00 | 6.00 |
| EXCESS VALUE $ (T) $ (F) | | | | | | |
| ~~LEAD~~ OR ~~COPPER~~ – CONTENT – SILICA 10 @ UNITS SILICA + 50 | | | | | -2.16 | -2.16 |
| LEAD PRICE ESCALATOR | | | | | | |
| COPPER PRICE ESCALATOR | | | | | | |
| COPPER DEFICIENCY | | | | | | |
| ZINC OR COMBINATION PENALTY | | | | | | |
| ARSENIC OR " " | | | | | | |
| ANTIMONY OR " " | | | | | | |
| BISMUTH OR " " | | | | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | | | | |
| INSOL/MOISTURE/COBALT " | | | | | | |
| SACKS OR DRUMS | | | | | | |
| TRUCK OR BOX CAR | | | | | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | | | | | 3.84 | 3.84 |
| FREIGHT VALUE DRY TONS COMPL. % | | | | | [redacted] | 17.87 |
| (MEX. COMDTY. ) | | | | | [redacted] | [redacted] |
| NET VALUE DRY TONS 41.9895 @ | | | | | 17.87 | [redacted] |

Car #6

ELEMENT CODE SPECIAL METALS

PROOF NET METAL VALUE H33

FRT. VALUE NET TONS 16.37

CREDITS 750.35

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 4584 @ 7.88 | | 361.22 |
| SWITCHING $ RESET $ 1 @ 1.29 | | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS $137.52 (HAULING 30¢ WET TONS) | | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE | | |
| ROYALTIES 5% - HFT | ✓ | 12.52 |
| ROYALTIES | | |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/S~~MELTER~~ | | 375.32 |
| TOTALS | | 750.35 |

750.35

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | 7/18 | |

Rec 7/19

(8)

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

8175-1166

BOUGHT OF Equity Mines Inc. (Joe Cox)
ADDRESS P.O. Box 1955 Monahans, Tex
SHIPPING POINT Creede, Colo.
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 2051
SHIPPERS LOT
CLASSIFICATION Pb ore
PURCHASE TERMS 7-1-89

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT |
|---|---|---|---|---|---|---|---|---|---|---|
| 194 | 7/5 | 46112 | DRG | | | | | 87240 | 11.0 | 77644 |

QUOTATIONS
COINAGE SILVER
FOB SILVER 1.28.7
LEAD
COPPER
B/L DATE 6-20

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .01 | 7.6 | 0 | .10 | | 70.0 | | | | | | | | |
| SHIPPER | .03 | 8.10 | | | | | | | | | | | | |
| UMPIRE | .10 ✓ | | | | | | | | | | | | | |
| METALLICS | — | — | — | | | | | | | | | | | |
| SETTLE | | 7.85 | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | | | | | |
| SILVER LESS 1/10 oz MIN. % | | 7.35 | 1 | 274 | 9.36 | |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |

ELEMENT CODE
SPECIAL METALS

| | AMOUNT | FREIGHT |
|---|---|---|
| GROSS VALUE (MEX. CLASS) | 9.36 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ~~ARSENIC OR~~ " " Silica Credit | -2.00 | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 4.00 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY.) | | |
| NET VALUE DRY TONS 38.8440 @ | 5.36 | |

PROC NET METAL VALUE 208.07
NET VALUE NET TONS
CREDITS 208.07

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 4362 @ 7.88 | | 343.73 |
| SWITCHING $ RESETS 1 @ 1.29 | | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS 43.62 @ 3.00 (130.86) memo | | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE Union 3.50 | | 3.50 |
| ROYALTIES 5% HFT | | |
| ROYALTIES | | |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE ~~SHIPPER~~ SMELTER | | 140.1- |
| TOTALS | | 348.52 348.52 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | Tiwo | 7-5 |

(8)

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

11 8/11/1/66.

BOUGHT OF: Equity Mines Inc (Joe Cox)
ADDRESS: Po Box 1955 Monahans, Tex
SHIPPING POINT: Creede, Colo.
NAME OF MINE:

EL PASO, TEXAS, 19
SMELTER LOT: 2052
SHIPPERS LOT:
CLASSIFICATION: Ore
PURCHASE TERMS: 2289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 7/5 | 46682 | DRG | | | | | 84860 | 9.3 | 76968 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 1.289 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 6-20 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .015 | 7.6 | 0 | .10 | | 74.6 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| SHIPPER | .03 | 7.80 | | | | | | | | | | | | | | |
| UMPIRE | .022 | | | | | | | | | | | | | | | |
| METALLICS | — | | — | — | | | | | | | | | | | | |
| SETTLE | | 7.7 | | | | | | | | | | | | | | |

| METAL | DRY TONS | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | | | | | |
| SILVER LESS 5oz MIN. % | | 7.2 | 1 | 274 | 9.17 | 9.17 |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |

ELEMENT CODE SPECIAL METALS

| | AMOUNT | FREIGHT |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 9.17 | 9.17 |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | 6.00 |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ARSENIC OR " " | | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| ~~INSOL/MOISTURE/COBALT~~ " Silica Credit 24.6 @ 10¢ | -2.46 | -2.46 |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.54 | 3.54 |
| FREIGHT VALUE DRY TONS COMPL. % | [redacted] | 5.63 |
| (MEX. COMDTY. ) | [redacted] | |
| NET VALUE DRY TONS 38.484 @ | 5.63 | [redacted] |

PROOF NET METAL VALUE -.01

FRT. VALUE NET TONS 5.11

CREDITS 216.66

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 42.43 @ 788 | 334.35 |
| SWITCHING $ RESET $ 1 @ 129 | 1.29 |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS 42.43 @ 3.00 = 127.29 Memo Only | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE Custom 8— | 8.— |
| ROYALTIES | |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE ~~SHIPPER~~ SMELTER | 126.98 |
| TOTALS | 343.64 343.64 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 7-26 |
| | 7/26 | |
| | | |

8

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

BOUGHT OF Equity Miner Inc. (Joe Cox) — EL PASO, TEXAS, 8/23/66 19__
ADDRESS PO Box 1955 Monahans, Tex — SMELTER LOT 2248
SHIPPING POINT CREEDE, Colo. — SHIPPERS LOT E9
NAME OF MINE — CLASSIFICATION PA ORE
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS 2299

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 7/19 | 72538 | DRG | | | | | 112660 | 7.4 | 104323 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 128.9 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 7-13 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .105 | 27.7 | 0 | .10 | | 74.0 | | | | | | | | | | |
| SHIPPER | .12 | 28.20 | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | ✓ | — | | | | | | | | | | | | | | |
| SETTLE | .1125 | 27.95 | — | — | | | | | | | | | | | | |

| METAL | DRY TONS | | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|---|
| GOLD | MIN. | % | .1145 | 32 | 3185 | 3.64 | |
| SILVER LESS | MIN. 95 | % | 26.5545 | 1 | 264 | 33.56 | |
| LEAD LESS | #0 | % | | | | | |
| COPPER LESS | #0 | % | | | | | |
| | #0 | % | | | | | |
| | #0 | % | | | | | |

ELEMENT CODE SPECIAL METALS

| | | TREATMENT COST | FREIGHT COST |
|---|---|---|---|
| GROSS VALUE | (MEX. CLASS ) | 37.20 | |
| TREATMENT DEDUCTIONS | | | |
| BASE CHARGE – (INCL. LABOR ADJ.) | | 6.00 | |
| EXCESS VALUE | $ 30.00 (T) $ 7.20 (F) | .72 | |
| LEAD OR COPPER – CONTENT | $ # UNITS | | |
| LEAD PRICE ESCALATOR | | | |
| COPPER PRICE ESCALATOR | | | |
| COPPER DEFICIENCY | | | |
| ZINC OR COMBINATION PENALTY | | | |
| ~~ARSENIC OR~~ " " Silica Credit | | - 2.40 | |
| ANTIMONY OR " " | | | |
| BISMUTH OR " " | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | |
| INSOL/MOISTURE/COBALT " | | | |
| SACKS OR DRUMS | | | |
| TRUCK OR BOX CAR | | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | | 4.32 | |
| FREIGHT VALUE DRY TONS COMPL. % | | [redacted] | |
| | (MEX. COMDTY. ) | [redacted] | |
| NET VALUE DRY TONS 52.1615 | @ | 32.88 | [redacted] |

PROOF NET METAL VALUE -.91

FRT. VALUE NET TONS

CREDITS 1715.07

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 56.33 | • 7.88 | 443.88 |
| SWITCHING $ | RESET $ 101.29 | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS | $3.00 Memo ($168.99). | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE | | |
| ROYALTIES 5% HFT | | 55.05 |
| ROYALTIES | | |
| | ADVANCE TO SHIPPER | |
| | BALANCE DUE SHIPPER/~~SMELTER~~ | 1214.85 |
| | TOTALS | 1715.07 |

1715.07

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | 8/22 | |
| | | |

(8)

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

BOUGHT OF Equity Mines Inc (Joe Cox) — EL PASO, TEXAS, 8/18/66 19
ADDRESS PO Box 1955 Monahans, Tex. — SMELTER LOT 2267.
SHIPPING POINT CREEDE, Colo. — SHIPPERS LOT 10
NAME OF MINE — CLASSIFICATION Cu. ORE.
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS Y99

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WYG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 7/21 | 72591. | DRG | | | | | 112420 | 8.3 | 103089 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 1.2870 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 7-13 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL. $SiO_2$ % | FE % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .085 | 24.5 | 0 | .10 | 72.8 | | | | | | |
| SHIPPER | .115 | 24.7 | | | | | | | | | |
| UMPIRE | .107 | | | | | | | | | | |
| METALLICS | | | — | — | | | | | | | |
| BETTLE | .107 | 24.6 | | | | | | | | | |

| METAL | DRY TONS | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .107 | 32.3185 | | 3.46 | |
| SILVER LESS MIN. √ % | | 23.37 | 1.2564 | | 29.54 | |
| LEAD LESS #0 % | | | | | | |
| COPPER LESS #0 % | | | | | | |
| #0 % | | | | | | |
| #0 % | | | | | | |

VALUES PER TON — ELEMENT CODE SPECIAL METALS

| | |
|---|---|
| GROSS VALUE (MEX. CLASS ) | 33.00 |
| TREATMENT DEDUCTIONS | TREATMENT COST / FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 |
| EXCESS VALUE $30.00 (T) $ (F) | .30 |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | |
| LEAD PRICE ESCALATOR | |
| COPPER PRICE ESCALATOR | |
| COPPER DEFICIENCY | |
| ZINC OR COMBINATION PENALTY | |
| ~~ARSENIC~~ OR " " $SiO_2$ Credit | – 2.28 |
| ANTIMONY OR " " | |
| BISMUTH OR " " | |
| IRON/NICKEL/TIN/CHLORINE " | |
| INSOL/MOISTURE/COBALT " | |
| SACKS OR DRUMS | |
| TRUCK OR BOX CAR | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 4.02 |
| FREIGHT VALUE DRY TONS COMPL. % | [redacted] |
| (MEX. COMDTY. ) | [redacted] |
| NET VALUE DRY TONS 51.5445 @ | 28.98 [redacted] |

PROOF NET METAL VALUE +.10 — FRT. VALUE NET TONS — CREDITS 1493.76

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 56.21 | @ .788 | 442.93 |
| SWITCHING $ | RESET $ 16 @ 1.29 | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS 56.21 | @ $3.00 (Mono $168.63) | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE Root & Simpson | | — |
| ROYALTIES | | |
| ROYALTIES 5% HFT | | 44.05 |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | | 1005.49 |
| TOTALS | | 1493.76 — 1493.76 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 8-12 |
| | 8/10 | |
| | | |

(8)

442.93 / 1.29 / 168.63 / 612.85 — 1493.76 / 612.85 / 880.91 / 440.45

PRELIMINARY

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

8/15/66

BOUGHT OF Equity Min. & Inc (Joe Cox) — EL PASO, TEXAS, 19__
ADDRESS P.O. Box Mineral, Tex. — SMELTER LOT 2247.
SHIPPING POINT CREEDE, COLO. — SHIPPERS LOT 11
NAME OF MINE — CLASSIFICATION Pb. ORE.
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS 2299

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M. NO. | SPL. TARE WTG. | C | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 7/19 | 72851 | DRG | | | | | | 108860 | 10.5 | 97430 | COINAGE SILVER |
| | | | | | | | | | | | | FGN SILVER 1.2890 |
| | | | | | | | | | | | | LEAD |
| | | | | | | | | | | | | COPPER |
| | | | | | | | | | | | | B/L DATE 7-13 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $S_1O_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .065 | 24.1 | 0 | .10 | | 69.0 | | | | | | | | | | |
| SHIPPER | .085 | 24.25 | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | — | — | — | — | | | | | | | | | | | | |
| SETTLE | .075 | 24.175 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .075 | 34. | 3185 | 2.42 | 2.42 |
| SILVER LESS MIN. 5 % | | 22.9662 | 1. | 2640 | 29.03 | 29.03 |
| LEAD LESS #0 % | | | | | | |
| COPPER LESS #0 % | | | | | | |
| #0 % | | | | | | |
| #0 % | | | | | | |
| GROSS VALUE (MEX. CLASS ) | | | | | 31.45 | 31.45 |
| TREATMENT DEDUCTIONS | | | | | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | | | | | 6.00 | 6.00 |
| EXCESS VALUE $ 30.00 (T) $ (F) | | | | | .15 | .15 |
| LEAD OR COPPER – CONTENT ¢ UNITS | | | | | | |
| LEAD PRICE ESCALATOR Lead Credit | | | | | – 1.90 | – 1.90 |
| COPPER PRICE ESCALATOR | | | | | | |
| COPPER DEFICIENCY | | | | | | |
| ZINC OR COMBINATION PENALTY | | | | | | |
| ARSENIC OR " " | | | | | | |
| ANTIMONY OR " " | | | | | | |
| BISMUTH OR " " | | | | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | | | | |
| INSOL/MOISTURE/COBALT " | | | | | | |
| SACKS OR DRUMS | | | | | | |
| TRUCK OR BOX CAR | | | | | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | | | | | 4.25 | 4.25 |
| FREIGHT VALUE DRY TONS COMPL. % | | | | | [redacted] | 27.20 |
| (MEX. COMDTY. ) | | | | | [redacted] | |
| NET VALUE DRY TONS 48.7150 @ | | | | | 27.20 | [redacted] |

ELEMENT CODE SPECIAL METALS

PROOF NET METAL VALUE 191

FRT. VALUE NET TONS 24.34

CREDITS 1325.05

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 54.43 | @ 7.88 | 428.91 |
| SWITCHING $ | RESET $ 10129 | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS 54.43 | @ 3.00 (Memo 163.29) | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE | | |
| ROYALTIES .120 | | 36.58 |
| ROYALTIES | | |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | | 858.27 |
| TOTALS | | 1325.05 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | |
| | 8/10 | |
| | | |

less 267.41 for 2 bad cars = check for 590.86

(8)

Lee Hill

DEPARTMENT

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

8/23/66

BOUGHT OF Equity Min. Inc. (Joe Cox)
ADDRESS PO Box 1955 Monahans, Tex
SHIPPING POINT CREEDE, Colo.
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 2246.
SHIPPERS LOT 12
CLASSIFICATION Pb ORE.
PURCHASE TERMS 2299

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 194 | 7/19 | 73293 | DRG | | | | | 114120 | 9.9 | 102822 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 1.289 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 7-13 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .06 | 21.0 | 0 | .10 | | 70.0 | | | | | | | | | | |
| SHIPPER | .08 | 21.60 | | | | | | | | | | | | | | |
| UMPIRE | | 21.43 | | | | | | | | | | | | | | |
| METALLICS | – | – | – | – | | | | | | | | | | | | |
| SETTLE | .07 | 21.43 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .07 | 32 | 3185 | 2.26 | 2.26 |
| SILVER LESS MIN. 5 % | | 20.3585 | 12 | 64 | 25.73 | 25.73 |
| LEAD LESS #0 % | | | | | | |
| COPPER LESS #0 % | | | | | | |
| #0 % | | | | | | |
| #0 % | | | | | | |

ELEMENT CODE SPECIAL METALS

| | AMOUNT | FREIGHT |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 27.99 | 27.99 |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | 6.00 |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT $ # UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ~~ARSENIC OR~~ Silver Credit 20% @ 10¢ | -2.00 | -2.00 |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 4.00 | 4.00 |
| FREIGHT VALUE DRY TONS COMPL. % | [redacted] | 23.99 |
| (MEX. COMDTY. ) | [redacted] | [redacted] |
| NET VALUE DRY TONS 51.411 @ | 23.99 | [redacted] |

PROOF NET METAL VALUE -.76

FRT. VALUE NET TONS 21.61

CREDITS 1233.35

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 57.06 .788 | | 44.963 |
| SWITCHING $ RESET $ 1@1.29 | | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS 57.06 • 3.00 = 171.18 Memo Only | | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE Dickinson | | |
| ROYALTIES 5% HFT | | 30.56 |
| ROYALTIES | | |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/SMELTER | | 751.87 |
| TOTALS | | 1233.35 |

1233.35

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 8-17 |
| | 8/10 | |
| | | |

8

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

9/15/66

BOUGHT OF Equity Mines Inc. (Joe Cox) — EL PASO, TEXAS, 19
ADDRESS P.O. Box 1955 Marathons, Texas 79756 — SMELTER LOT 2454
SHIPPING POINT Creede, Colorado — SHIPPERS LOT
NAME OF MINE Equity — CLASSIFICATION Cu ore
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS 2299

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 220 | 8/4 | 72140 | DRG | | | | | 109320 | 9.8 | 98607 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 128.9 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 7-28 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $Al_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .06 | 18.1 | 0 | 0 | | 71.0 | | | | | | | | | | |
| SHIPPER | .085 | 18.40 | | | | | | | | | | | | | | |
| UMPIRE | .09 | | | | | | | | | | | | | | | |
| METALLICS | — | — | — | — | | | | | | | | | | | | |
| SETTLE | .085 | 18.25 | | | | | | | | | | | | | | |

| METAL | | DRY TONS | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|---|
| GOLD | MIN. | % | .085 | 32 | 3.185 | 2.75 | |
| SILVER LESS | MIN. | 5 % | 17.3375 | 12 | 64 | 21.91 | |
| LEAD LESS | #0 | % | | | | | |
| COPPER LESS | #0 | % | | | | | |
| | #0 | % | | | | | |
| | #0 | % | | | | | |

ELEMENT CODE SPECIAL METALS

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 24.66 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ARSENIC OR " " | | |
| ANTIMONY OR " " | | |
| ~~BISMUTH OR~~ " " Silica Credit 21% @ 10¢ | -2.10 | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.90 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 49.3035 @ | 20.76 | |

PROOF NET METAL VALUE —.64

FRT. VALUE NET TONS

CREDITS 1023.54

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 54.66 @ 7.88 | 430.72 |
| SWITCHING $ RESET $ 1 @ 1.29 | 1.29 |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS 54.66 @ 3.00 = 163.98 Memo Only | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE Dickinson | — |
| ROYALTIES 5% HFT | 21.38 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/SMELTER | 570.15 |
| TOTALS | 1023.54 |

1023.54

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 9-6 |
| | 221 | |
| | | |

(2)

PRELIMINARY

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

9/9/66

BOUGHT OF Equity Mines Inc (Joe Cox) — EL PASO, TEXAS, 19__
ADDRESS P.O. Box 1196 Monahans, Texas 79756 — SMELTER LOT 2453
SHIPPING POINT Creede, Colorado — SHIPPERS LOT 14
NAME OF MINE Equity — CLASSIFICATION Cu. ore
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS 2299

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | 8/4 | 72839 | DRG | | | | | 128746 | 8.0 | 118441 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 1.2890 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 7-28 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $Al_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .06 | 19.4 | 0 | 0 | | 70.2 | | | | | | | | | | |
| SHIPPER | .09 | 19.70 | | | | | | | | | | | | | | |
| UMPIRE | .08 | | | | | | | | | | | | | | | |
| METALLICS | ✓ — | | — | — | | | | | | | | | | | | |
| SETTLE | .08 | 19.55 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON | | | | | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|
| | | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | |
| GOLD MIN. % | | .08 | 32 | 3185 | 2.59 | 2.59 | |
| SILVER LESS MIN. ✓ % | | 18.2725 | 1 | 2640 | 23.48 | 23.48 | |
| LEAD LESS #@ % | | | | | | | |
| COPPER LESS #@ % | | | | | | | |
| #@ % | | | | | | | |
| #@ % | | | | | | | |
| GROSS VALUE (MEX. CLASS ) | | | | | 26.07 | 26.07 | |
| TREATMENT DEDUCTIONS | | | | | TREATMENT COST | FREIGHT COST | |
| BASE CHARGE – (INCL. LABOR ADJ.) | | | | | 6.00 | 6.00 | |
| EXCESS VALUE $ 30.00 (T) $ (F) | | | | | — | — | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | | | | | | |
| LEAD PRICE ESCALATOR | | | | | | | |
| COPPER PRICE ESCALATOR | | | | | | | |
| COPPER DEFICIENCY | | | | | | | |
| ZINC OR COMBINATION PENALTY | | | | | | | |
| ~~ARSENIC~~ OR " " | | Less Credit @ 10¢ | | | -2.02 | -2.02 | |
| ANTIMONY OR " " | | | | | | | |
| BISMUTH OR " " | | | | | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | | | | | PROOF |
| INSOL/MOISTURE/COBALT " | | | | | | | NET |
| SACKS OR DRUMS | | | | | | | METAL |
| TRUCK OR BOX CAR | | | | | | | VALUE #51 |
| TOTAL TREATMENT DEDUCTIONS (NET) | | | | | 3.98 | 3.98 | FRT. VALUE NET TONS |
| FREIGHT VALUE DRY TONS COMPL. % | | | | | [redacted] | 22.09 | 20.32 |
| (MEX. COMDTY. ) | | | | | [redacted] | [redacted] | CREDITS |
| NET VALUE DRY TONS 59.2205 @ | | | | | 22.09 | | 1308.18 |

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 64.37 @ 7.88 | 507.24 |
| SWITCHING $ RESET $ 1 @ 1.29 | 1.29 |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS 64.37 @ $3.00 (Memo Only $193.11) | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE Custom — | |
| ROYALTIES 5% HF+T | 30.33 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 769.32 |
| TOTALS | 1308.18 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 9-6 |
| | 8/31 | |
| | | |

9

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

9/13/66

BOUGHT OF Equity Mines Inc. (Joe Cox) — EL PASO, TEXAS, 19
ADDRESS PO Box 195 Monahans, Tex. — SMELTER LOT 2452
SHIPPING POINT Creede, Colo. — SHIPPERS LOT 15
NAME OF MINE — CLASSIFICATION Cu. ore
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS 2299

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | 8/4 | 73674 | DRG | | | | | 134980 | 6.8 | 125801 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 128.9 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 7-28 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $Al_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .06 | 70.0 | 0 | 0 | | 70.7 | | | | | | | | | | |
| SHIPPER | .085 | 70.50 | | | | | | | | | | | | | | |
| UMPIRE | .07 | | | | | | | | | | | | | | | |
| METALLICS | — | | — | — | | | | | | | | | | | | |
| SETTLE | .07 | 70.75 | | | | | | | | | | | | | | |

| METAL | DRY TONS | | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|---|
| GOLD | MIN. | % | .075 | 32 | 3185 | 2.42 | |
| SILVER LESS | MIN. 5 | % | 19.2375 | 1 | 264 | 24.32 | |
| LEAD LESS | #@ | % | | | | | |
| COPPER LESS | #@ | % | | | | | |
| | #@ | % | | | | | |
| | #@ | % | | | | | |

ELEMENT CODE SPECIAL METALS

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 26.74 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ARSENIC OR " " | | |
| ANTIMONY OR " " | | |
| ~~BISMUTH~~ OR " " Silica Credit 20.2% | -2.02 | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.98 | |
| FREIGHT VALUE DRY TONS COMPL. % | [redacted] | |
| (MEX. COMDTY. ) | [redacted] | |
| NET VALUE DRY TONS 62.9005 @ | 22.76 | [redacted] |

PROOF NET METAL VALUE +.67

FRT. VALUE NET TONS

CREDITS 1431.62

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 67.49 @ 7.88 | | 531.82 |
| SWITCHING $ RESET $ 1 @ 1.29 | | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS 67.49 @ 3.00 = 202.47 Memo Only | | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE Union — | | |
| ROYALTIES 5% HFT | | 34.80 |
| ROYALTIES | | |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/SMELTER | | 863.71 |
| TOTALS | | 1431.62 |

1431.62

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | 8/71 | 9-6 |
| | | |
| | | |

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PRELIMINARY

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

9/27/66

BOUGHT OF Equity Miner Inc. (Joe Cox) EL PASO, TEXAS, _____ 19__
ADDRESS P.O. Box 1955 Monahans, Tex 79756 SMELTER LOT 2887
SHIPPING POINT Creede, Colo. SHIPPERS LOT 17
NAME OF MINE Equity CLASSIFICATION C.4 ORE
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE PURCHASE TERMS 2299

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 246 | 8/30 | 72928 | DRG | | | | | 117480 | 5.3 | 111254 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 178.90 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 8-9 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $Al_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .035 | 10.7 | 0 | 0 | | 69.6 | | | | | | | | | | |
| SHIPPER | .055 | 11.20 | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .045 | 10.95 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .045 | 37 | 31850 | 1.45 | |
| SILVER LESS MIN. 95 % | | 10.4075 | 1 | 264 | 13.15 | |
| LEAD LESS #0 % | | | | | | |
| COPPER LESS #0 % | | | | | | |
| #0 % | | | | | | |
| #0 % | | | | | | |
| GROSS VALUE (MEX. CLASS ) | | | | | 14.60 | |
| TREATMENT DEDUCTIONS | | | | | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | | | | | 6— | |
| EXCESS VALUE $ (T) $ (F) | | | | | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | | | | | |
| LEAD PRICE ESCALATOR | | | | | | |
| COPPER PRICE ESCALATOR | | | | | | |
| COPPER DEFICIENCY | | | | | | |
| ZINC OR COMBINATION PENALTY | | | | | | |
| ARSENIC OR " " | | | | | | |
| ANTIMONY OR " " | | | | | | |
| BISMUTH OR " " | | | | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | | | | |
| INSOL/MOISTURE/COBALT " | | | | | | |
| ~~SACKS OR DRUMS~~ Stor Qr. | | | | | -1.96 | |
| TRUCK OR BOX CAR | | | | | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | | | | | 4.04 | |
| FREIGHT VALUE DRY TONS COMPL. % | | | | | | |
| (MEX. COMDTY. ) | | | | | | |
| NET VALUE DRY TONS 55.627 @ | | | | | 10.56 | |

ELEMENT CODE SPECIAL METALS

PROOF NET METAL VALUE -.51

FRT. VALUE NET TONS

CREDITS 587.47

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 58.74 | .788 | 46.288 |
| SWITCHING $ | RESET $ 1 @ 1.29 | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS 1.30 | Hero $176.22 | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE | | |
| ROYALTIES 5% HFT | | -0- |
| ROYALTIES | | |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | | 123.25 |
| TOTALS | | 587.47 587.47 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| Pb 9-26 | 9/23 | |

8

# AMERICAN SMELTING AND REFINING COMPANY
## EL PASO SMELTING WORKS

9/23/66

BOUGHT OF Equity Mines Inc. (Joe Cox) EL PASO, TEXAS, 19
ADDRESS PO Box 1955 Monahans, Tex SMELTER LOT 2764
SHIPPING POINT Creede, Colo. 79756 SHIPPERS LOT 18
NAME OF MINE CLASSIFICATION Cu. ore
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE PURCHASE TERMS 2299

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 220 | 8/22 | 71425 | DRG | | | | | 130260 | 6.4 | 121923 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 1.2890 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 8-9 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $S_1O_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .04 | 13.2 | 0 | 0 | | 67.2 | | | | .5 | | | | | | |
| SHIPPER | .07 | 13.90 | | | | | | | | | | | | | | |
| UMPIRE | .05 | 13.42 | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .05 | 13.42 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|
| GOLD | MIN. % | .05 | 32 | 3185 | 1.62 | | |
| SILVER LESS | MIN. 5 % | 12.749 | 1. | 2640 | 16.11 | | |
| LEAD LESS | #0 % | | | | | | |
| COPPER LESS | #0 % | | | | | | |
| | #0 % | | | | | | |
| | #0 % | | | | | | |

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 17.73 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ 30.00 (T) $ (F) | – | |
| ~~LEAD OR~~ COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| ~~COPPER DEFICIENCY~~ $SiO_2$ Credit 67.2% - 50.0% · 17.73 × 10 | – 1.72 | |
| ZINC OR COMBINATION PENALTY | | |
| ARSENIC OR " " | | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 4.28 | |
| FREIGHT VALUE DRY TONS COMPL. % | [redacted] | |
| (MEX. COMDTY. ) | [redacted] | |
| NET VALUE DRY TONS 60.9615 @ | 13.45 [redacted] | |

PROOF NET METAL VALUE +1.76

FRT. VALUE NET TONS

CREDITS 819.93

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 65.13 | @ 7.88 | 513.22 |
| SWITCHING $ | RESET $ 1 @ 29 | 1.29 |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS 65.13 | @ $3.00 (Hauling Only, $7.25.37) | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE Root + Simpson | 12 — | 12 — |
| ROYALTIES | | |
| ROYALTIES 5% 4F+T | | 5.50 |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | | 287.92 |
| TOTALS | | 819.93 |

819.93

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 9-15 |
| | 9/13 | |
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PRELIMINARY

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

9/27/66

BOUGHT OF Equity Mines INC (Joe Cox) EL PASO, TEXAS, 19
ADDRESS PO Box 1955 Monahans, Tex SMELTER LOT 2989.
SHIPPING POINT Creede Colo. SHIPPERS LOT 19
NAME OF MINE Equity CLASSIFICATION Cu ore.
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE PURCHASE TERMS 2299

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C. WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 247 | 9/5 | 72445. | DRG | | | | | 133988 | 6.5 | 125271 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 128.90 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 8-19 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $S_1O_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .04 | 12.5 | 0 | 0 | | 7.4 | | | | | | | | | | |
| SHIPPER | .05 | 13.00 | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .045 | 12.75 | | | | | | | | | | | | | | |

| METAL | DRY TONS | | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|---|
| GOLD | MIN. | % | .045 | 32 | 31850 | 1.45 | |
| SILVER LESS | MIN. | 95 % | 12.1125 | 1 | 264 | 15.31 | |
| LEAD LESS | #9 | % | | | | | |
| COPPER LESS | #9 | % | | | | | |
| | #9 | % | | | | | |
| | #9 | % | | | | | |

ELEMENT CODE SPECIAL METALS

GROSS VALUE (MEX. CLASS ) 16.76
TREATMENT DEDUCTIONS — TREATMENT COST — FREIGHT COST
BASE CHARGE – (INCL. LABOR ADJ.) 6—
EXCESS VALUE $ (T) $ (F)
LEAD OR COPPER – CONTENT ¢ @ UNITS
LEAD PRICE ESCALATOR
COPPER PRICE ESCALATOR
COPPER DEFICIENCY
ZINC OR COMBINATION PENALTY
ARSENIC OR " "
ANTIMONY OR " "
BISMUTH OR " "
IRON/NICKEL/TIN/CHLORINE "
INSOL/MOISTURE/COBALT "
~~SACKS OR DRUMS~~ Sio2 CR — 2.14
TRUCK OR BOX CAR
PROOF NET METAL VALUE — .10
TOTAL TREATMENT DEDUCTIONS (NET) 3.86
FRT. VALUE NET TONS
FREIGHT VALUE DRY TONS COMPL. %
(MEX. COMDTY. )
NET VALUE DRY TONS 62.6355 @ 12.90
CREDITS 808.—

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 66.99 • 7.88 | 527.88 |
| SWITCHING $ RESET $ 1 @ 1.29 | 1.29 |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS 3rd-PT MEMO • $ 200.97 | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE | |
| ROYALTIES 5% HFT | 3.89 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/SMELTER | 274.94 |
| TOTALS | 808.— 808.— |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| 9/26 | 9/23 | |

8

# AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

9/29/66

BOUGHT OF EQUITY MINES (JOE COX)
ADDRESS P.O. BOX 1955 MONAHANS, TEXAS 79756
SHIPPING POINT CREEDE, COLO.
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 3023
SHIPPERS LOT 20
CLASSIFICATION CU ORE
PURCHASE TERMS 2299

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M NO. | SPL. TARE WTG. | C | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 246 | 9/6 | 72310 | DRG | | | | | | 148000 | 6.8 | 137936 | COINAGE SILVER |
| | | | | | | | | | | | | FGN SILVER 128.9 |
| | | | | | | | | | | | | LEAD |
| | | | | | | | | | | | | COPPER |
| | | | | | | | | | | | | B/L DATE 8-19 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .03 | 12.2 | 0 | 0 | | 72.3 | | | | | | | | | | |
| SHIPPER | .05 | 13.10 | | | | | | | | | | | | | | |
| UMPIRE | | 12.46 | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .04 | 12.46 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .04 | 32 | 3185 | 1.29 | |
| SILVER LESS MIN. 5 % | | 11.837 | 1 | 264 | 14.96 | |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |

ELEMENT CODE SPECIAL METALS

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 16.25 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ARSENIC OR " " | | |
| ANTIMONY OR " " | | |
| ~~BISMUTH OR~~ " " Silica Credit 22.3% @ 10¢ | -2.23 | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.77 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 68.968 @ | 12.48 | |

PROOF NET METAL VALUE 119

FRT. VALUE NET TONS

CREDITS 860.72

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 74.00 • .788 | 583.12 |
| SWITCHING $ RESET $ 1 @ 1.29 | 1.29 |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS ✓ 74.00 • 3.00 = 222.00 Mono Only | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE Custom $ — | $ — |
| ROYALTIES | |
| ROYALTIES ✓ 5% HFT | 2.72 |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/SMELTER | 265.59 |
| TOTALS | 860.72 |

860.72

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| Ag | 9-23 | 9-26 |
| | | |

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AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

9/27/66

BOUGHT OF EQUITY MINES INC. (Joe Cox)
ADDRESS PO Box 1955 Monahans, Tex.
SHIPPING POINT Creede Colo
NAME OF MINE Equity

EL PASO, TEXAS, 19
SMELTER LOT 2933.
SHIPPERS LOT 21
CLASSIFICATION CU ORE.
PURCHASE TERMS 2299

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX. | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 246 | 9/1. | 73236. | DRG | | | | | 132100 | 7.7 | 121928 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 178.90 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 8-19 |

| ASSAYS. | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $S_1O_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .035 | 12.5 | 0 | 0 | 68.4 | | | | | | | | | | | |
| SHIPPER | .05 | 12.80 | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .0425 | 12.65 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .0425 | 32 | 31850 | 1.37 | |
| SILVER LESS MIN. 95% | | 12.0175 | 1 | 264 | 15.19 | |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |
| GROSS VALUE (MEX. CLASS ) | | | | | 16.56 | |

ELEMENT CODE SPECIAL METALS

| | TREATMENT COST | FREIGHT COST |
|---|---|---|
| TREATMENT DEDUCTIONS | | |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6 — | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ARSENIC OR " " | | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| ~~INSOL/MOISTURE/COBALT~~ " Sio2 CR | -1.84 | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 4.16 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 60.9640 @ | 12.40 | |

PROOF NET METAL VALUE -.98

FRT. VALUE NET TONS

CREDITS 755.95

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 66.05 @ 7.88 | 520.47 |
| SWITCHING $ RESET $ 1@1.29 | 1.29 |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS 13 @ MEXO $19.85 | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE | |
| ROYALTIES 5% NET | 1.80 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 232.39 |
| TOTALS | 755.95 |

755.95

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| Pb 9/26 | 9/23 | |

8

EL PASO SMELTING WORKS

EL PASO, TEXAS, 10/3/66 19

BOUGHT OF EQUITY MINES INC (Joe Cox)
ADDRESS P.O. Box 1955 Monahans, Tex.
SHIPPING POINT CREEDE, COLO.
NAME OF MINE

SMELTER LOT 2965
SHIPPERS LOT
CLASSIFICATION CU ORE
PURCHASE TERMS 2299

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M NO. | SPL. TARE WTG. | C | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9/2 | 75532 | AT | | | | | | 32760 | 6.9 | 30500 | COINAGE SILVER |
| | | | | | | | | | | | | FGN SILVER 128.90 |
| | | | | | | | | | | | | LEAD |
| | | | | | | | | | | | | COPPER |
| | | | | | | | | | | | | B/L DATE |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .04 | 16.5 | 0 | 0 | | 72.4 | | | | | | | | | | |
| SHIPPER | .075 | 17.20 | | | | | | | | | | | | | | |
| UMPIRE | .067 | 16.97 | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .067 | 16.97 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|
| GOLD MIN. % | | .0670 | 32 | 31850 | 2.17 | | |
| SILVER LESS MIN. % | | 16.1215 | 1 | 2640 | 20.38 | | |
| LEAD LESS #@ % | | | | | | | |
| COPPER LESS #@ % | | | | | | | |
| #@ % | | | | | | | |
| #@ % | | | | | | | |

| | | | |
|---|---|---|---|
| GROSS VALUE (MEX. CLASS ) | | 22.55 | |
| TREATMENT DEDUCTIONS | | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | | 6— | |
| EXCESS VALUE $ (T) $ (F) | | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | | |
| LEAD PRICE ESCALATOR | | | |
| COPPER PRICE ESCALATOR | | | |
| COPPER DEFICIENCY | | | |
| ZINC OR COMBINATION PENALTY | | | |
| ARSENIC OR " " | | | |
| ANTIMONY OR " " | | | |
| BISMUTH OR " " | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | |
| INSOL/MOISTURE/COBALT " | | | |
| SACKS OR DRUMS | | | |
| TRUCK OR BOX CAR Sicy Cr. | | -2.24 | |
| TOTAL TREATMENT DEDUCTIONS (NET) | | 3.76 | |
| FREIGHT VALUE DRY TONS COMPUTED % | | | |
| (MEX. COMDTY. ) | | | |
| NET VALUE DRY TONS 15.2506 @ | | 18.79 | |

BROKEN CAR
R.R. will adjust 10 ton + shipped

| | | | | |
|---|---|---|---|---|
| PROOF NET METAL VALUE | +.63 | | | |
| FRT. VALUE NET TONS | | | | |
| CREDITS | | | | 286.55 |

| OTHER DEDUCTIONS | | | DEBITS |
|---|---|---|---|
| FREIGHT WET TONS | 16.38 | .788 | 129.07 |
| SWITCHING $ | | RESET $ | |
| FREIGHT ALLOWED | | | |
| WEIGHING CHARGE | | | |
| HAULING WET TONS | ✓ MEMO | 16.38 .3⁰⁰ = $49.14 | |
| REPRESENTATION | | | |
| SAMPLING | | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | | |
| UMPIRE Union | | | |
| ROYALTIES | | | 5.42 |
| ROYALTIES 5% HFT | | | |
| ADVANCE TO SHIPPER | | | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | | | 152.06 |
| TOTALS | | | 286.55 286.55 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| Au Ag | 9/23 | 9-26 |

(8) Overload from 2 cars

EL PASO SMELTING WORKS

9/30/66

BOUGHT OF Equity Mines (Joe Cox)
ADDRESS Po Box 1955, Monahans, Texas 79756
SHIPPING POINT Creede, Colo
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 3071
SHIPPERS LOT 22
CLASSIFICATION Cu Ore
PURCHASE TERMS 2299

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 247 | 9-5 | 72596 | DRG | | | | | 131.50 | 5.7 | 123.703 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 128.9 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 8-31 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .03 | 10.4 | 0 | 0 | | 72.4 | | | | | | | | | | |
| SHIPPER | .05 | 11.20 | | | | | | | | | | | | | | |
| UMPIRE | | 11.07 | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .04 | 11.07 | | | | | | | | | | | | | | |

| METAL | DRY TONS | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .04 | 32 | 3185 | 1.29 | |
| SILVER LESS MIN. % | | 10.5165 | 12 | 64 | 13.29 | |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |

ELEMENT CODE SPECIAL METALS

| VALUES PER TON | AMOUNT | FREIGHT |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 14.58 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT # UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ARSENIC OR " " | | |
| ANTIMONY OR " " | | |
| ~~BISMUTH OR~~ " " Silver Credit 22.4% @ 10¢ | -2.24 | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.76 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 61.8515 @ | 10.82 | |

PROOF NET METAL VALUE +.61

FRT. VALUE NET TONS

CREDITS 669.23

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 65.59 • 7.88 | 516.85 |
| SWITCHING $ RESET $ | |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS 65.59 • 3.00 = 196.77 Prems Ovl. | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE Dickinson — | — |
| ROYALTIES 5% HFT | — 0 — |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 152.38 |
| TOTALS | 669.23 669.23 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| Cg | 9-23 | 9-26 |
| | | |

8

EL PASO SMELTING WORKS

10/3/66

BOUGHT OF Equity Mines (Joe Cox)
ADDRESS PO Box 1955 Monahans, Tex.
SHIPPING POINT Creede, Colo 79756
NAME OF MINE

EL PASO, TEXAS 19
SMELTER LOT 3072
SHIPPERS LOT 23
CLASSIFICATION Co ore
PURCHASE TERMS 2299

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M SPL. TARE NO. | C SPL. TARE WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 246 | 9-5 | 72265 | DRG | | | | | 113580 | 7.5 | 105062 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 128.90 |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 8-31 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .03 | 11.0 | 0 | 0 | | 12.3 | | | | | | | | | | |
| SHIPPER | .06 | 11.70 | | | | | | | | | | | | | | |
| UMPIRE | .040 | 11.44 | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .040 | 11.44 | | | | | | | | | | | | | | |

| METAL | DRY TONS | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .04 | 32 | 31850 | 1.29 | |
| SILVER LESS MIN. % | | 10.868 | 1 | 2646 | 13.74 | |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |

VALUES PER TON

ELEMENT CODE
SPECIAL METALS

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 15.03 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | | |
| EXCESS VALUE $ (T) $ (F) | 6 — | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ARSENIC OR " " | | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT | | |
| SACKS OR DRUMS | | |
| ~~TRUCK OR BOX CAR~~ Stor Cr | -2.23 | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.77 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDT.Y. ) | | |
| NET VALUE DRY TONS 525310 @ | 11.26 | |

PROOF
NET METAL VALUE -.06

FRT. VALUE NET TONS

CREDITS 591.50

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 56.79 @ 7.88 | 447.51 |
| SWITCHING $ RESET $ | |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS MEMO 56.79 . 3.00 $170.37 | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE Rod & Simpson | 6.00 |
| ROYALTIES | — 0 — |
| ROYALTIES 5% HFT | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 137.99 |
| TOTALS | 591.50 591.50 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| Au Ag | 9-23 | 9-26 |
| | | |

(8)

BOUGHT OF EQUITY MINES (Chas Cox)
ADDRESS PO Box 1955 Monahans, Tex
SHIPPING POINT Creede, Colo.
NAME OF MINE

EL PASO, TEXAS, 10/3/66 19
SMELTER LOT 3073
SHIPPERS LOT 14
CLASSIFICATION CU ORE.
PURCHASE TERMS 2299

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M NO. | SPL. TARE WTG. | C | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 246 | 9/5 | 72694 | DRG | | | | | | 135333 | 6.3 | 126664 | COINAGE SILVER |
| | | | | | | | | | | | | FGN SILVER 128.90 |
| | | | | | | | | | | | | LEAD |
| | | | | | | | | | | | | COPPER |
| | | | | | | | | | | | | B/L DATE 8-31 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .02 | 8.4 | 0 | 0 | | 72.0 | | | | | | | | | | |
| SHIPPER | .045 | 8.90 | | | | | | | | | | | | | | |
| UMPIRE | .042 | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .042 | 8.65 | | | | | | | | | | | | | | |

| METAL | DRY TONS | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .042 | 32 | 3185 | 1.36 | |
| SILVER LESS 1/20 MIN. % | | 8.15 | 1 | 264 | 10.30 | |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |

VALUES PER TON

ELEMENT CODE SPECIAL METALS

GROSS VALUE (MEX. CLASS ) 11.66
TREATMENT DEDUCTIONS — TREATMENT COST — FREIGHT COST
BASE CHARGE – (INCL. LABOR ADJ.) 6 –
EXCESS VALUE $ (T) $ (F)
LEAD OR COPPER – CONTENT ¢ @ UNITS
LEAD PRICE ESCALATOR
COPPER PRICE ESCALATOR
COPPER DEFICIENCY
ZINC OR COMBINATION PENALTY
ARSENIC OR " "
ANTIMONY OR " "
BISMUTH OR " "
IRON/NICKEL/TIN/CHLORINE "
INSOL/MOISTURE/COBALT "
SACKS OR DRUMS
~~TRUCK OR BOX CAR~~ Sior CR -2.20
TOTAL TREATMENT DEDUCTIONS (NET) 3.80
FREIGHT VALUE DRY TONS COMPL. % (MEX. COMDTY. )
NET VALUE DRY TONS 63.3326 @ 7.86

PROOF NET METAL VALUE -1.03
FRT. VALUE NET TONS
CREDITS 497.79

OTHER DEDUCTIONS — DEBITS

FREIGHT WET TONS 67.59 @ 7.88 532.61
SWITCHING $ RESET $
FREIGHT ALLOWED
WEIGHING CHARGE
HAULING WET TONS MEMO 67.59 .3¢ $202.77
REPRESENTATION
SAMPLING
AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT
UMPIRE Union
ROYALTIES
ROYALTIES 5% HFT — 0 —
ADVANCE TO SHIPPER
BALANCE DUE ~~SHIPPER~~/SMELTER 348.7
TOTALS 532.61 532.61

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| Au | 9-23 | 9-26 |
| | | |

8

EL PASO SMELTING WORKS

9/2/65

BOUGHT OF Joe Cox
ADDRESS PO Box 1955 Monahans, Tex
SHIPPING POINT Creede, Colo
NAME OF MINE Equity

EL PASO, TEXAS, 19
SMELTER LOT 2364
SHIPPERS LOT
CLASSIFICATION Pb ore
PURCHASE TERMS 2289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M NO. | SPL TARE WTG. | C | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 787 | 8/25 | 72641 | DRG | | | | | | 135580 | 7.5 | 125442 | COINAGE SILVER |
| | | | | | | | | | | | | FGN SILVER |
| | | | | | | | | | | | | LEAD |
| | | | | | | | | | | | | COPPER |
| | | | | | | | | | | | | B/L DATE 8/17 |

Car #1 1965

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI. % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .055 | 13.6 | 0 | .10 | | 84.0 | | | | | | 1.45 | .70 | 0 | | |
| SHIPPER | | | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .055 | 13.6 | | | | 84.0 | | | | | | — | — | — | | |

| METAL | DRY TONS | VALUES PER TON | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|---|
| GOLD | | MIN. % | .055 | 32 | 3185 | 1.78 | | |
| SILVER LESS | | MIN. 95 % | 12.92 | 1 | 274 | 16.46 | | |
| LEAD LESS | | #@ % | | | | | | |
| COPPER LESS | | #@ % | | | | | | |
| | | #@ % | | | | | | |
| | | #@ % | | | | | | |

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 18.24 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ~~ARSENIC~~ OR " " Silica Credit | -3.40 | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 2.60 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 62.706 @ | 15.64 | |

PROOF NET METAL VALUE +19.1

FRT. VALUE NET TONS

CREDITS 980.72

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 67.79 @ 7.88 | 534.19 |
| SWITCHING $ RESET $ 9.28 | 9.28 |
| ~~FREIGHT ALLOWED~~ Check Received for Prepayment of Freight | 400.00 |
| WEIGHING CHARGE | |
| HAULING WET TONS @ Memo (203.37) | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE | |
| ROYALTIES 5% NET | 31.69 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 805.56 |
| TOTALS | 1380.72 |

1380.72

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | |
| | | |
| | | |

8

EL PASO SMELTING WORKS

9/18/64

BOUGHT OF Joe Cox
ADDRESS PO Box 1955 Monahans, Tex
SHIPPING POINT Creede, Colo
NAME OF MINE Equity

EL PASO, TEXAS, _____ 19__
SMELTER LOT 2550
SHIPPERS LOT E-2
CLASSIFICATION CU ORE
PURCHASE TERMS 2289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO | SPL. TARE C WTG | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 236 | 9/16 | 72361 | DRG | | | | | 122360 | 5.3 | 115875 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 9-3 |

Car #2

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .085 | 20.6 | 0 | .10 | | 81.8 | | | | | | | | | | |
| SHIPPER | | | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .085 | 20.6 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|
| GOLD MIN. % | | .085 | 32 | 3185 | 2.75 | | |
| SILVER LESS MIN. 95 % | | 19.57 | 1 | 274 | 24.93 | | |
| LEAD LESS #@ % | | | | | | | |
| COPPER LESS #@ % | | | | | | | |
| #@ % | | | | | | | |
| #@ % | | | | | | | |

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 27.68 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ~~ARSENIC OR~~ " " Silica Credit | – 3.18 | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 2.87 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 57.9375 @ | 24.86 | |

PROOF NET METAL VALUE +.64

FRT. VALUE NET TONS

CREDITS 1440.33

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 61.18 @ 7.88 | 482.10 |
| SWITCHING $ RESET $ 1.29 | 1.29 |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS @ Memo ($ 183.54) | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE | |
| ROYALTIES 5% HFT | 38.67 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 918.27 |
| TOTALS | 1440.33 |

1440.33

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | |
| | | |
| | | |

8

EL PASO SMELTING WORKS

3/7/66

BOUGHT OF Joe Cox
ADDRESS PO Box 1955 Monahans Texas
SHIPPING POINT Creede, Colorado
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 3661
SHIPPERS LOT E-3
CLASSIFICATION Pb ore
PURCHASE TERMS 7189

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M NO. | SPL. TARE WTG. | C | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/21. | 47144 | DRG. | | | | | | 103020. | 16.0 | 8653.7 | COINAGE SILVER |
| | | | | | | | | | | | | FGN SILVER |
| | | | | | | | | | | | | LEAD |
| | | | | | | | | | | | | COPPER |
| | | | | | | | | | | | | B/L DATE 12/10/65 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .065 | 20.9 | 0 | .10 | 73.1 | | | | | | | .18 | .06 | 0 |
| SHIPPER | .09 | 21.60 | | | | | | | | | | | | |
| UMPIRE | .07 | 20.8 | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | |
| SETTLE | .07 | 20.9 | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .070 | 34 | 3185 | 2.26 | |
| SILVER LESS MIN. 95 % | | 19.855 | 1 | 274 | 25.30 | |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |

ELEMENT CODE
SPECIAL METALS

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 27.56 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $30 $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ~~ARSENIC OR~~ " " Silica Credit 10d @ +50 | -2.31 | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.69 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 43.2685 @ | 23.87 | |

Car #3

PROOF
NET METAL VALUE +115

FRT. VALUE NET TONS

CREDITS 1037.87

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 51.51 @ 7.88 | | 405.90 |
| SWITCHING $ RESET $ | | |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS @ Memo (154.53) | | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE Custom 15 | | 15 |
| ROYALTIES 5% HFT | | 23.62 |
| ROYALTIES | | |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | | 588.30 |
| TOTALS | | 1037.87 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | 3/1 | 3-1 |
| | | |
| | | |

8

PRELIMINARY

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

3/2/66

BOUGHT OF Joe Cox
ADDRESS Po Box 1955 Mohons Texas
SHIPPING POINT Creede, Colo.
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 10
SHIPPERS LOT E-4
CLASSIFICATION Pb ore
PURCHASE TERMS 2289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/3 | 166683 | AT | | | | | 135540 | 8.7 | 123748 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 128.9 |
| | | Trf from car | | | | | | | | | LEAD |
| | | 71401 | DRGW | | | | | | | | COPPER |
| | | of | | | | | | | | | |
| | | Amarillo | | | | | | | | | B/L DATE 12-10 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $S_1O_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .105 | 23.3 | 0 | .10 | | 73.4 | | | | | | .16 | .06 | 0 | | |
| SHIPPER | .13 | 23.80 | | | | | | | | | | | | | | |
| UMPIRE | .150 | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .13 | 23.55 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON | | | | | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|
| | | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | |
| GOLD MIN. % | | .13 | 34 | 3185 | 4.20 | | |
| SILVER LESS MIN. 95 % | | 22.3725 | 1 | 274 | 28.50 | | |
| LEAD LESS #@ % | | | | | | | |
| COPPER LESS #@ % | | | | | | | |
| #@ % | | | | | | | |
| #@ % | | | | | | | |
| GROSS VALUE | | (MEX. CLASS ) | | | 32.70 | | |
| TREATMENT DEDUCTIONS | | | | | TREATMENT COST | FREIGHT COST | |
| BASE CHARGE – (INCL. LABOR ADJ.) | | | | | 6.00 | | |
| EXCESS VALUE $30 $ 2.70 (T) $ (F) | | | | | .27 | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | | | | | | |
| LEAD PRICE ESCALATOR | | | | | | | |
| COPPER PRICE ESCALATOR | | | | | | | |
| COPPER DEFICIENCY | | | | | | | |
| ZINC OR COMBINATION PENALTY | | | | | | | |
| ~~ARSENIC OR~~ " " Silica Credit | | | | | -2.34 | | |
| ANTIMONY OR " " | | | | | | | |
| BISMUTH OR " " | | | | | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | | | | | |
| INSOL/MOISTURE/COBALT " Car #4 | | | | | | | |
| SACKS OR DRUMS | | | | | | | |
| TRUCK OR BOX CAR | | | | | | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | | | | | 3.93 | | |
| FREIGHT VALUE DRY TONS COMPL. % | | | | | | | |
| (MEX. COMDTY. ) | | | | | | | |
| NET VALUE DRY TONS 61.8740 @ | | | | | 28.77 | | |

PROOF
NET METAL VALUE 4/50
FRT. VALUE NET TONS
CREDITS 1780.11

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 67.77 @ 7.88 | 534.03 |
| SWITCHING $ RESET $ | |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS 67.77 @ $3.00 Memo (203.31) | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE DICKINSON | |
| ROYALTIES 5% HFT | 52.14 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 1193.94 |
| TOTALS | 1780.11 |

1780.11

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 3-1 |
| | 3/1 | |
| | | |

(8)

EL PASO SMELTING WORKS

9/22/65

BOUGHT OF Joe Cox
ADDRESS PO Box 1955 Monahans, Tex
SHIPPING POINT Creede, Colo
NAME OF MINE Equity

EL PASO, TEXAS, 19
SMELTER LOT 2364
SHIPPER'S LOT
CLASSIFICATION Pb ore
PURCHASE TERMS 2289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M NO. | SPL. TARE WTG. | C | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 787 | 8/25 | 72641 | DRG | | | | | | 135580 | 7.5 | 125442 | COINAGE SILVER |
| | | | | | | | | | | | | FGN SILVER |
| | | | | | | | | | | | | LEAD |
| | | | | | | | | | | | | COPPER |
| | | | | | | | | | | | | B/L DATE 8/17 |

Car #1 1965

| ASSAYS | OZ. PER TON GOLD | SILVER | WET LEAD % | COPPER % | INSOL. % | $SiO_2$ % | FE % | | | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .055 | 13.6 | 0 | .10 | | 84.0 | | | | | 1.45 | 70 | 0 | | |
| SHIPPER | | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | |
| SETTLE | .055 | 13.6 | | | | 84.0 | | | | | — | — | — | | |

| METAL | DRY TONS | VALUES PER TON | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|---|
| GOLD | MIN. | % | .055 | 32 | 3185 | 1.78 | | |
| SILVER LESS | MIN. 95 | % | 12.92 | 1 | 274 | 16.46 | | |
| LEAD LESS | #@ | % | | | | | | |
| COPPER LESS | #@ | % | | | | | | |
| | #@ | % | | | | | | |
| | #@ | % | | | | | | |

| | | TREATMENT COST | FREIGHT COST |
|---|---|---|---|
| GROSS VALUE | (MEX. CLASS ) | 18.24 | |
| TREATMENT DEDUCTIONS | | | |
| BASE CHARGE – (INCL. LABOR ADJ.) | | 6.00 | |
| EXCESS VALUE | $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT | ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | | |
| COPPER PRICE ESCALATOR | | | |
| COPPER DEFICIENCY | | | |
| ZINC OR COMBINATION PENALTY | | | |
| ~~ARSENIC~~ OR " " Silica Credit | | – 3.40 | |
| ANTIMONY OR " " | | | |
| BISMUTH OR " " | | | |
| IRON/NICKEL/TIN/CHLORINE " | | | |
| INSOL/MOISTURE/COBALT " | | | |
| SACKS OR DRUMS | | | |
| TRUCK OR BOX CAR | | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | | 2.60 | |
| FREIGHT VALUE DRY TONS COMPL. % | | | |
| | (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 62.706 | @ | 15.64 | |

PROOF NET METAL VALUE +194

FRT. VALUE NET TONS

CREDITS 980.72

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 67.79 @ 7.88 | 534.19 |
| SWITCHING $ RESET $ 9.28 | 9.28 |
| ~~FREIGHT ALLOWED~~ Check Received for Prepayment of Freight | 400.00 |
| WEIGHING CHARGE | |
| HAULING WET TONS @ Memo (203.37) | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE | |
| ROYALTIES 5% NET | 31.69 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 805.56 |
| TOTALS | 1380.72 |

1380.72

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | |
| | | |

8

EL PASO SMELTING WORKS

9/-8/6v

BOUGHT OF Joe Cox
ADDRESS PO Box 1955 Monahans, Tex
SHIPPING POINT Creede, Colo
NAME OF MINE Equity

EL PASO, TEXAS, _____ 19__
SMELTER LOT 2550
SHIPPERS LOT E-2
CLASSIFICATION CU ORE
PURCHASE TERMS 2289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | SPL. TARE M NO. | SPL. TARE C WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 236 | 9/16 | 72361 | DRG | | | | | 122360 | 5.3 | 115875 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 9-3 |

Car #2

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $Al_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .085 | 20.6 | 0 | .10 | | 81.8 | | | | | | | | | | |
| SHIPPER | | | | | | | | | | | | | | | | |
| UMPIRE | | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | |
| SETTLE | .085 | 20.6 | | | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|
| GOLD MIN. % | | .085 | 32 | 3185 | 2.75 | |
| SILVER LESS MIN. 95 % | | 19.57 | 1 | 274 | 24.93 | |
| LEAD LESS #@ % | | | | | | |
| COPPER LESS #@ % | | | | | | |
| #@ % | | | | | | |
| #@ % | | | | | | |

ELEMENT CODE SPECIAL METALS

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 27.68 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ~~ARSENIC OR~~ " " Silica Credit | – 3.18 | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 2.82 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 57.9375 @ | 24.86 | |

PROOF NET METAL VALUE +.64

FRT. VALUE NET TONS

CREDITS 1440.33

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 61.18 @ 7.88 | 482.10 |
| SWITCHING $ RESET $ 1.29 | 1.29 |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS @ Memo (~~$~~ 183.54) | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE | |
| ROYALTIES 5% HFT | 38.67 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 918.27 |
| TOTALS | 1440.33 |

1440.33

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | |
| | | |
| | | |

8

EL PASO SMELTING WORKS

3/7/66

BOUGHT OF Joe Cox
ADDRESS Po Box 1955 Monahans Texas
SHIPPING POINT Creede, Colorado
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 3661
SHIPPERS LOT E-3
CLASSIFICATION Pb ORe
PURCHASE TERMS 2V89

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M SPL. NO. | C TARE WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/21. | 47144 | DRG. | | | | | 103020. | 16.0 | 86537 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER |
| | | | | | | | | | | | LEAD |
| | | | | | | | | | | | COPPER |
| | | | | | | | | | | | B/L DATE 12/10/65 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET LEAD % | COPPER % | INSOL % | $SiO_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .065 | 20.9 | 0 | .10 | | 73.1 | | | | | | .18 | 06 | 0 |
| SHIPPER | .09 | 21.60 | | | | | | | | | | | | |
| UMPIRE | .07 | 20.8 | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | |
| SETTLE | .07 | 20.9 | | | | | | | | | | | | |

| METAL | DRY TONS | VALUES PER TON | PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT | ELEMENT CODE SPECIAL METALS |
|---|---|---|---|---|---|---|---|---|
| GOLD | MIN. | % | .070 | 3V | 3185 | 2.26 | | |
| SILVER LESS | MIN. 95 | % | 19.855 | 1 | 274 | 25.30 | | |
| LEAD LESS | #@ | % | | | | | | |
| COPPER LESS | #@ | % | | | | | | |
| | #@ | % | | | | | | |
| | #@ | % | | | | | | |

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 27.56 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $30 $ (T) $ (F) | | |
| LEAD OR COPPER – CONTENT # @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ~~ARSENIC OR~~ " " Silica Credit 10d @ +50 | -2.31 | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.69 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 43.2685 @ | 23.87 | |

Car #3

PROOF NET METAL VALUE +115

FRT. VALUE NET TONS

| OTHER DEDUCTIONS | | DEBITS |
|---|---|---|
| FREIGHT WET TONS 51.51 @ 7.88 | | 405.90 |
| SWITCHING $ RESET $ | | |
| FREIGHT ALLOWED | | |
| WEIGHING CHARGE | | |
| HAULING WET TONS @ Memo (154.53) | | |
| REPRESENTATION | | |
| SAMPLING | | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | | |
| UMPIRE Custom 15 | | 15 |
| ROYALTIES 5% HFT | | 23.62 |
| ROYALTIES | | |
| ADVANCE TO SHIPPER | | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | | 588.30 |
| TOTALS | | 1037.8 |

CREDITS 1037.8

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | 3/1 | 3-1 |
| | | |
| | | |

8

PRELIMINARY

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

3/2/66

BOUGHT OF Joe Cox
ADDRESS Po Box 1955 Mohons Texas
SHIPPING POINT Creede, Colo.
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 10
SHIPPERS LOT E-4
CLASSIFICATION Pb ore
PURCHASE TERMS 2289

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

| MIX | ARRIVAL DATE | CAR NUMBER | CAR RR | GROSS WEIGHT | TARE WEIGHT | M SPL. TARE NO. | C SPL. TARE WTG. | WET WEIGHT | % $H_2O$ | DRY WEIGHT | QUOTATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/3 | 166683 | AT | | | | | 135540 | 8.7 | 123748 | COINAGE SILVER |
| | | | | | | | | | | | FGN SILVER 128.9 |
| | | Trf from | | | | | | | | | |
| | | CAR | | | | | | | | | LEAD |
| | | 71401 DRGW | | | | | | | | | COPPER |
| | | of | | | | | | | | | |
| | | Amarillo | | | | | | | | | B/L DATE 12-10 |

| ASSAYS | OZ. PER TON GOLD | OZ. PER TON SILVER | WET / LEAD % | COPPER % | INSOL % | $S_1$ % | $O_2$ % | FE % | % | % | ZN % | $AL_2O_3$ % | AS % | SB % | BI % | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMELTER | .105 | 23.3 | 0 | .10 | 7.34 | | | | | | | | .16 | .06 | 0 | | |
| SHIPPER | .13 | 23.80 | | | | | | | | | | | | | | | |
| UMPIRE | .150 | | | | | | | | | | | | | | | | |
| METALLICS | | | | | | | | | | | | | | | | | |
| SETTLE | .13 | 23.55 | | | | | | | | | | | | | | | |

| METAL | | DRY TONS | | VALUES PER TON: PAY CONTENT | PRICE DOLLARS | PRICE CENTS | AMOUNT | FREIGHT |
|---|---|---|---|---|---|---|---|---|
| GOLD | MIN. | | % | .13 | 34 | 3185 | 4.20 | |
| SILVER LESS | MIN. | 95 | % | 22.3725 | 1 | 274 | 28.50 | |
| LEAD LESS | #@ | | % | | | | | |
| COPPER LESS | #@ | | % | | | | | |
| | #@ | | % | | | | | |
| | #@ | | % | | | | | |

ELEMENT CODE SPECIAL METALS

| | | |
|---|---|---|
| GROSS VALUE (MEX. CLASS ) | 32.70 | |
| TREATMENT DEDUCTIONS | TREATMENT COST | FREIGHT COST |
| BASE CHARGE – (INCL. LABOR ADJ.) | 6.00 | |
| EXCESS VALUE $30 $ 2.70 (T) $ (F) | .27 | |
| LEAD OR COPPER – CONTENT ¢ @ UNITS | | |
| LEAD PRICE ESCALATOR | | |
| COPPER PRICE ESCALATOR | | |
| COPPER DEFICIENCY | | |
| ZINC OR COMBINATION PENALTY | | |
| ~~ARSENIC OR~~ " " Silica Credit | -2.34 | |
| ANTIMONY OR " " | | |
| BISMUTH OR " " | | |
| IRON/NICKEL/TIN/CHLORINE " | | |
| INSOL/MOISTURE/COBALT " | | |
| SACKS OR DRUMS | | |
| TRUCK OR BOX CAR | | |
| TOTAL TREATMENT DEDUCTIONS (NET) | 3.93 | |
| FREIGHT VALUE DRY TONS COMPL. % | | |
| (MEX. COMDTY. ) | | |
| NET VALUE DRY TONS 61.8740 @ | 28.77 | |

Car #4

PROOF NET METAL VALUE +1.50

FRT. VALUE NET TONS

CREDITS 1780.11

| OTHER DEDUCTIONS | DEBITS |
|---|---|
| FREIGHT WET TONS 67.77 @ 7.88 | 534.03 |
| SWITCHING $ RESET $ | |
| FREIGHT ALLOWED | |
| WEIGHING CHARGE | |
| HAULING WET TONS 67.77 @ $3.00 Memo (203.31) | |
| REPRESENTATION | |
| SAMPLING | |
| AMOUNT WITHHELD PENDING RECEIPT OF SILVER AFFADAVIT | |
| UMPIRE DICKINSON | |
| ROYALTIES 5% NET | 52.14 |
| ROYALTIES | |
| ADVANCE TO SHIPPER | |
| BALANCE DUE SHIPPER/~~SMELTER~~ | 1193.94 |
| TOTALS | 1780.11 / 1780.11 |

| ELEMENTS UMPIRED | ASSAYS REPORTED TO | DATE UMPIRED PULP MAILED |
|---|---|---|
| | | 3-1 |
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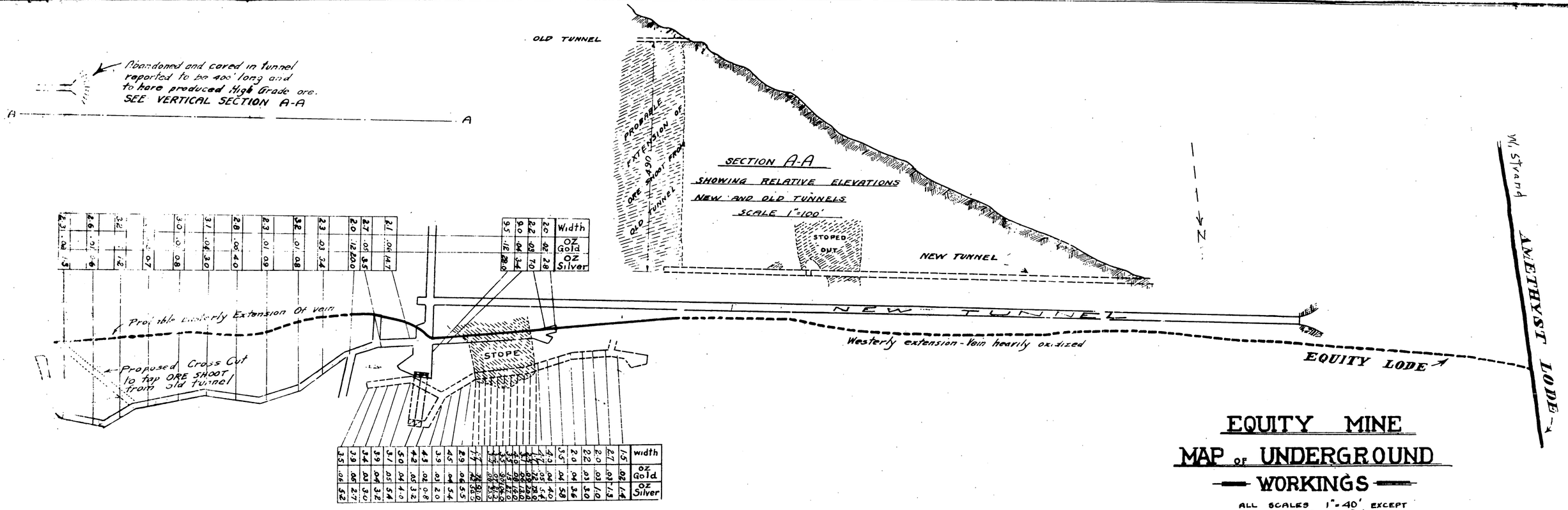
(8)




# EQUITY MINE
## MAP OF UNDERGROUND WORKINGS

ALL SCALES 1"=40' EXCEPT THAT OF SEC. A-A

OFFICIAL
COPY
O. M. E.
RECEIVED
NOV 17 1966
INITIALS | CODE

OME Form 7
(2/63)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 1/17/69 | Emerick | 120 |
| | HKirkemo | 120 |
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| | | |
| | | |
| | | |

JAN 17 1969

Equity Mines, Inc.
P. O. Box 222
Creede, Colorado 81130

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Gentlemen:

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

Careful study of all the information available to us indicates that there is not sufficient evidence to justify Government participation in exploring the Equity fault area. We regret to advise you that, under the circumstances, your application for exploration assistance is denied without prejudice to the property.

If, at any time in the future, significant additional information is available, 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
Economic Geology File
OME docket
OME Reading File
OME Region III
Mr. Emerick
130

WLEmerick/gla 1-14-69
Rewritten: HKirkemo/gla 1-17-69

MME Form 7
(2/63)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 1/14/69 | Emerick | 120 |
| 1/15/69 | Kirkemo | 120 |
| " | Johnson | 110 |
| 1/15 | Kilzgaard | 220 |
| 1/16 | Hyp | |
| | | |
| | | |
| | | 110 |
| | | 220 |

Equity Mines, Inc.
P. O. Box 222
Creede, Colorado 81130

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Gentlemen:

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

Careful study of all the information available to us indicates that there is not sufficient evidence to support the possible existence of a worthwhile exploration target in the area on the Equity fault such as you propose. We regret to advise you that, under the circumstances, your application for exploration assistance is denied without prejudice to the property.

If, at any time in the future, significant additional information is available, we shall be pleased to consider a new application.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME docket
OME Reading File
OME Region III
Mr. Emerick
130

WLEmerick/gla 1-14-69

MME Form 7
(2/63)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 1/14/69 | Emerick | 120 |
| 1/15/69 | Kirkemo | 120 |
| " | Johnson | 110 |
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| | | |
| | | |

January 14, 1969

Memorandum

To: The File

From: William L. Emerick, Office of Minerals Exploration

Subject: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Justification for Denial of Application

The Applicant proposed 3200 feet of drifting from present mine workings at a total cost of $144,817. OME participation would be 75 percent of this amount, or $108,613. Purpose of the project is to drift eastward on the Equity fault for the above distance to the intersection with the strand of a second fault, the Amethyst.

The ore deposits in the Creede district are associated principally with veins in fault zones extending radially from the Creede caldera. Nearly all of the rocks in the vicinity of the district are volcanic or were derived from reworked volcanic material. They include densely welded ash flows of rhyolitic and quartz latitic composition, lava flows, volcanic breccias, and airfall pyroclastic rocks.

It has been reported by Larsen in 1930 that ore valued at $91,000 had been extracted from the Equity mine. Early production from the mine was said to have averaged 2½ oz. Ag per ton, 0.5 oz. Au per ton, 7 percent Pb, 1 percent Cu, and some zinc. The Applicant shipped 4 tons of ore in 1965 and an unspecified amount in 1966 from which smelter settlement sheets showed they realized $8,334.

T. A. Steven, U. S. Geological Survey, co-author of Professional Paper 487 on the Creede District, reviewed the application. Although he felt that some drifting east to test the Equity fault could be worthwhile and justified as exploration, he strongly recommended first a program of sampling along and across the trend of both the Equity and Amethyst-strand faults to see if the intersection shows any indication of ore at depth.

The Field Officer, Region III, advised the Applicant that a more extensive geologic study would be required of him before an accurate appraisal of the property could be made. The Applicant has been unable or unwilling to supply the information necessary for the appraisal, and the data presently in the OME files do not indicate that the expenditure of such a large amount of Government funds is justified at this time in the exploration project proposed by the Applicant. The Field Officer recommended that the application be denied without prejudice to the property.

I concur in the recommendation to deny the application.

W L Emerick

W. L. Emerick

cc: Director's Reading File
Economic Geology File
OME docket
OME Reading File
Mr. Emerick

WLEmerick/gla 1-14-69

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

January 7, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 10 1969

| INITIALS | CODE |
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| | 130 |
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| | 140 |
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| | 120 |

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: OME-6582 (Silver)
The Equity Mine
Mineral County, Colorado

Transmitted herewith is a report of examination on the subject property by J. William Hasler, geologist, recommending denial without prejudice.

It is presently our understanding that the Equity Mine has been sold or that negotiations for the sale are in progress. I requested information regarding this transaction from Mr. Turnipseed in early December but have not heard from him concerning the Equity mine property.

The area is a promising one geologically but much more detailed geologic and sampling data is requred to adequately appraise the property. The applicant has not been able to adequately supply the necessary information.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosure

ON-SITE EXAM. RPT.

UNITED STATES

DEPARTMENT OF THE INTERIOR

STEWART L. UDALL, SECRETARY

U. S. GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION

REGION III

# OME-6582 (Silver)

# THE EQUITY MINE

# CREEDE MINING DISTRICT

# MINERAL COUNTY, COLORADO

By

J. William Hasler

Geologist

January 1969

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## Introduction and summary

The Equity Mines, Inc. applied to the Office of Minerals Exploration for financial assistance to explore for silver at the Equity Mine, Mineral County, Colorado, on October 1, 1966. The application was assigned OME Docket No. 6582 on November 15, 1966. The Equity mine was examined in a cursory manner on October 26, 1966 while Mr. Hasler was on other OME inspections in the Creede area. After considerable correspondence with the applicant concerning various aspects of processing the application and requests for additional data, the application was referred to the field for a possible field examination and appraisal on July 11, 1967.

The applicant was advised to more thoroughly explore and sample the surface area at the intersection of the Equity vein with the possible northern projection of the Amethyst vein. Plate 1, USGS p.p. 487.

The applicant completed some bulldozing in these areas, and also did some additional soil sampling of the more highly altered areas at the indicated junction of theEquity vein and the Amethyst fault zone. Upon completion of this work the applicant notified the Field Officer and the property was examined on August 5 and 6, 1968. The examining geologist was accompanied by Mr. Leslie Turnipseed and Mr. Joe Cox, applicants. Although the various samples show indications of mineralized zones, not enough data has yet been submitted by the applicant to justify the expenditure of an estimated $144,817.00 to explore eastward along the Equity vein and to explore the zone of intersection of the north-trending Amethyst vein and theEquity vein, which is actually the main target

area. Most of the major production of the Creede area has come from the Amethyst vein south of the Equity Mine area.

The trenching and other observed latered areas had not been mapped and made a part of the applicant's map at the time of the field examination. Sample locations were roughly spotted on a subsequent map with a brief description of the material in the sample areas submitted in a letter to the Field Officer dated December 6, 1967. No further geologic study has been made by the applicant, as he relies principally upon the geologic work done by Tom Steven, and Jim Ratte' of the U. S. Geological Survey.

During the field examination the applicant was advised that the trenches, and sampled areas should be precisely located on the map as well as promising altered areas. In addition, the applicant was advised that a more extensive geologic study would be required before an accurate appraisal could be made, in spite of the fact that the area of intersection between the Equity Vein and the Amethyst vein is likely a good geologic target, and that an approval of an OME loan at this time is quite remote.

Although the target area is a most interesting and geologically favorable one, much additional geologic data is needed to adequately appraise the project. Data presently in our files does not indicate that the expenditure of large amounts of government funds in an exploration project of this area is justified at this time, and it is therefore recommended that the application be denied without prejudice.

## The property

The Equity Mine property lies some 7 miles north of Creede, Mineral County, Colorado near the headwaters of West Willow Creek, approximately 2 miles below the Continental Divide. Most of the Equity mine property lies east of the Equity mine portal and encompasses the headwaters of Deerhorn Creek.

The applicant owns some 36 unpatented claims, and holds a lease on the Equity patented claim Nos. 4, 5, 6, 7, 8, 9, 10, 11, and 12 in sections 34 and 35 in T. 42 N., R. 1 W., NMPM, King Solomon Mining District. The unpatented claims are recorded at the Mineral County courthouse, Creede, Colorado.

## History and Production 1/

"Creede is one of the younger of the major mining camps in Colorado, and its story of spectacular growth in the early 1890's is well chronicled in the newspapers and mining journals of the time."

"Discovery of rich ore in the Amethyst and Last Chance mines in 1891 resulted in the rapid growth of the town to an estimated 8,000 - 10,000 people."

"Excellent summaries of the discovery and early development of ore at Creede were given by Rickard, (1897, p. 845-846) Emmons and Larsen (1923, p. 3-5), and Henderson (1926, p. 55-56); and subsequent development through 1928 was summarized by Larsen (1930)."

"Mining development in the area really began with the discovery of the Solomon-Holy Moses vein in 1889 and received its greatest impetus in the fall of 1891 when high grade ore was developed by workings of the Amethyst, Last Chance, and New York claims on the Amethyst vein (Emmons and Larsen, 1923, p. 3, 4). The first full year of production in 1892 ranks fifth in total value of minerals produced of all the years the district has been active; and the following year, 1893, was, by a margin of nearly $1.5 million, the most productive in the history of the camp. This spectacular beginning was followed by a long period of irregular but generally declining activity until 1930, when all the mines in the district were closed. From the re-opening of the mines in 1934 until the end of 1956, annual production ranged from slightly more than a quarter of a million dollars to a little more than a million dollars."

"In all this time, production from the Amethyst vein and related hanging-wall veins greatly exceeded the combined production from all other veins. The approximate total production, by vein or area, to the end of 1956 was:

| | |
|---|---|
| Amethyst and related vein | $53,200,000.00 |
| Solomon-Holy Moses vein | 2,190,000.00 |
| Monon Hill area | 800,000.00 |
| Alpha-Cosair vein | 600,000.00 |
| Equity vein | 88,000.00 |
| Mollie S. vein | 50,000.00 |
| | $56,928,000.00 |

"These estimated are adjusted figures from all sources available and, in total, exceed published production figures by more than $200,000.00. The main trends of production in the Creede district reflect largely the mining activity on the Amethyst and related veins."

A Bureau of Mines report (Meeves and Darnell, 1968, p. 6, shows metal production figures in the Creede district, for the period 1891-1966. "There has been 2,144,904 tons of ore sold or treated, containing gold, silver, copper, lead and zinc having a total value of $69,496,526.00. The 2,144,904 tons yielded 150,399 oz. Au, 58,342,763 oz ag, 4,562,292 lbs. Cu, 250,937,535 lbs. Pb, and 78,152,213 lbs. Zn."

"The bulk of production at the height of activity at Creede, from 1891 through 1899, came from the near-surface oxidized ores in the southern part of the Amethyst vein, largely from the Amethyst, Last Chance-New York-Del Monte, and Commodore mines. Silver accounted for 70-94 percent of the value of ore produced."

"Larsen (1930, p. 101-102) reported that ore valued at $91,000.00, had been extracted from the Equity mine, assays across the stoped ore ranged from 6.3 to 154.3 ounces of gold per ton, and small quantities of lead, zinc and copper were also reported. A U. S. Bureau of Mines

report (Meeves and Darnell, 1968, p. 24) indicates that early production from the Equity mine was to have averaged 2-1/2 ounces of silver per ton. 0.5 ounces of gold per ton, 7 percent lead, and 1 percent copper, and some zinc.

The applicant reopened the Equity mine in 1965 and shipped four tons of ore, then in 1966 they again shipped some additional ore grade material. Settlement sheet accompanying the application shows shipments totaling 1,036 tons that averaged 0.05 oz. Au per ton, 15.53 oz. Ag per ton. Net smelter returns totaled some $16,252.45. The applicant realized $8,833.80 according to the settlement sheets.

The applicant submitted a longitudinal section of the Equity mine showing some 6 composite blocks of ground as well as 4 other blocks of ground indicating a reserve of some 33,311 tons of ore that would average $3.46 in Au, and 23.50 oz. Ag per ton. At current prices with $2.00 per ounces silver this ore would gross $50.62. On the other hand they showed two areas where shipments totaled 2,795 tons that averaged $25.43 per ton.

Exploration target

The applicant proposes to explore for 3,200 feet along the Equity vein to its intersection with the northward projection of the Amethyst vein, and explore in and near that intersection for silver bearing ore bodies. Total estimated costs of the exploration project are $144,817.00. The applicant proposes to do the exploration work using his own equipment, ~~Fig~~ Plate 1., USGS. Prof. Paper 487

Geology and geography[1/]

"'Geologic studies in the Creede district and adjacent areas of Colorado have shown that the ore deposits there are largely localized along faults that formed during long-continued subsidence concurrent with Tertiary volcanic activity in the central San Juan Mountains. Currently known subsidence structures extend for more than 10 miles north of Creede and for at least 15 miles south of Creede, and the full extent in either direction has not been established. Major subsidence structures identified so far in this area include the La Garita, Bachelor Mountain, and San Luis Peak cauldrons and the Creede caldera."

"The ore deposits in the Creede mining district are associated principally with faults of a complex graben that extends radially north-northwest from the Creede caldera. The main period of mineralization followed or was in part concurrent with the most recent period of faulting, but many of the mineralized faults formed much earlier and were reactivated one or more times during the succeeding subsidence."

"Nearly all rocks in the vicinity of the Creede district are volcanic or were derived from reworked volcanic materials. Densely welded ash flows (welded tuff) or rhyolitic and quartz latitic composition predominate in a complex sequence taht also includes lava flows, volcanic breccias, and airfall pyroclastic rocks."

"The oldest unit exposed in the Creede district is the Outlet Tunnel Member of the La Garita Quartz Latite of Miocene age. Over-

lying this unit is a thick sequence of rhyolite and quartz latite breccias, and tuffs known as the Alborota group that include the following units: Willow Creek rhyolite, Campbell Mountain rhyolite, Intrusive rhyolite, Phoenix Park quartz latite, Equity quartz latite."

"Most of the mining and prospecting activity in the Creede district has been in the drainage basins of East and West Willow Creeks, Windy Gulch, and Rat and Miners Creeks, all tributaries to the Rio Grande. The main producing mines have been between 1-1/2 and 3-1/2 miles north and west of Creede (fig. 2)."

"Altitudes in the Creede district (pl. 1) range from about 8,500 feet along the Rio Grande east of Wason Ranch to 13,895 feet on La Garita Mountain. The terrain, although generally mountainous, has a distinct three-level aspect. Broad stream terraces and rolling hills flank the Rio Grande and lower courses of its main tributaries; steep slopes and precipitous cliffs characterize intermediate altitudes and flank the upper courses of all main tributaries; and many extensive high-level benches and summit areas are relatively flat or smoothly rounded. The upper courses of all main tributaries were intensely glaciated, and steep-walled; flat-bottomed valleys are characteristic."

"The valleys along the Rio Grande and along lower courses of some of the main tributaries are easily accessible from Colorado Highway 149 and many local roads. The steep intermediate slopes, however, present a barrier that is traversed only by a few poor roads. The gorge of Willow and East Willow Creeks is followed by

a good dirt road for about 5 miles from Creede to Phoenix Park; from here a narrow mine road over Campbell Mountain to West Willow Creek." The longest road providing access to the higher areas follows West Willow Creek past the main mining area in the district to the vicinity of the Equity mine, about 7 miles from Creede." Another dirt road extends west and then north from Creede through the old townsite of Bachelor, to join the road along West Willow Creek about 2-1/2 miles south of the Equity mine." Elsewhere the intermediate slopes and higher mountains are accessible only on foot or by horse." The geologic structure and ore deposits relating to the Equity Mine Amethyst fault zone, or the Amethyst vein is best described in U. S. Geological Survey Professional Paper 487 (Steven, Thomas A., and Ratte', James C., 1965, Geology and Structural Control of Ore Deposition in the Creede District, San Juan Mountains, Colorado) consequently I have taken the liberty to quote portions of the paper that is pertinent to the geology at the intersection of the Equity vein and the Amethyst fault zone. References to plates and figures, except for figure 1 are those included in Professional Paper 487.

## Structure

"Structural features in the Creede district formed largely as the result of recurrent subsidence related to columinous ash-flow eruptions of or postsubsidence doming and faulting. In tracing the geologic history of the Creede district, it has been possible to establish the different periods of movement on many of the faults and to interpret probable periods of movement

on many of the faults and to interpret probable periods of movement on most others. Some faults were active during several different periods, whereas others were active only once and either cut or are cut by faults of different ages. The faults active during the several periods of movement are distinguished on the tectonic map (pl. 2), along with successive assemblages of rock units that accumulated between periods of major subsidence. Many age designations for faults shown on this map are interpretive and based on analogy with or extrapolation from known features. The degree to which the relations of the different features are known or interpreted is discussed in the following sections."

## Ancestral Amethyst Fault[1/]

"Several lines of evidence indicate that the Amethyst fault was active during subsidence of the Bachelor Mountain cauldron. Most directly, healed silicified breccia marking the old fault extends outward from and is closely similar to the silicified breccia related to the Bachelor Mountain cauldron that is exposed along Willow Creek and its branches north of Creede. In addition, the area east of the Amethyst fault was deeply eroded prior to eruption of the succeeding intracaldera units, a rough surface was cut across it, and many of the rocks were removed here that still persist on the west side of the fault. In particular, no Windy Gulch tuff is known east of the Amethyst fault, where Mammoth Mountain and Wason Park Rhyolites rest directly on a hilly surface cut into and locally through the underlying Campbell Mountain Member. Soft tuff of the Windy Gulch Member still persists on

the western, downthrown side of the fault. Thus the upthrown block was more deeply eroded than was the more protected, downthrown block."

"Although there is generally a marked change in formations across the Amethyst fault zone as a whole, the surfaces of the faults active during the more recent periods of movement do not everywhere form the major separation between adjacent formation. At the surface, the mapped Amethyst fault (pl. 1) has rocks of the Willow Creek Member on both the hanging wall and the footwall for at least 2,000 feet north of the intersection of the Amethyst fault zone with curved faults and pervasive breccia of the Bachelor Mountain cauldron on the east side of Bachelor Mountain. A geologic map of the mine workings on the Commodore 3 level (pl. 3) that underlie this area shows the same relation; here Willow Creek rocks are on both walls of the main fault, as marked by the Amethyst vein, and the change from Willow Creek to Campbell Mountain rocks that marks the ancestral fault occurs 350 - 400 feet out into the hanging wall near the portal and about 300 feet out into the hanging wall 1,000 feet in from the portal. The change in rock types takes place across a zone of silicified breccia about 50 feet thick that is so completely healed that no physical break marking the ancestral fault now exists. The footwall side of the breccia consists of Willow Creek fragments -- Willow Creek and Campbell Mountain fragments are complexly mixed across a narrow zone somewhere in the breccia -- and the hanging-wall side consists of Campbell Mountain fragments. The breccia zone is followed in part by a younger mineralized fracture, but this is but one of many similar mineralized fractures that cut the hanging-wall block of the main

Amethyst fault in this vicinity and is clearly younger than the healed breccia.

"A similar healed-breccia zone separating rocks of the Willow Creek and Campbell Mountain Members was mapped here and there along the hanging wall of the main Amethyst fault (Amethyst vein) on the lowest active mine workings, the Commodore 5 level (pl. 4), for at least the southernmost 6,000 feet exposed along the fault zone. The divergence between the ancestral fault and the younger mineralized fault is greatest near the south end of the level, where the main change in rock type and the younger fault zone are commonly 80 - 100 feet apart. Farther north the change in rock units ranges from coincident with the younger fault to about 50 feet into the hanging wall. As in the upper levels, where not broken by demonstrably later figures, the breccia is so completely healed that it is fully as hard and homogeneous appearing as the adjacent unbroken rhyolite."

"Silicified breccia marking the ancestral Amethyst fault forms the walls of the later fault at many places along the Amethyst 5 level (pl. 3, fig. 2). The ancestral fault diverges from the later fault near the south end of accessible workings on this level and appears to be 10 - 15 feet out into the hanging wall."

"Total displacement on the Amethyst fault zone has been greater than that on any other fault on the east side of the Creede graben (section A-A', pl. 1). Although total displacement of all periods of movement cannot be determined from present exposures, it must have been at least 1,200 feet. Late movements seem to have accounted

for 600 - 700 feet of this total displacement of the Wason Park Rhyolite; pre-Wason Park movements account for the remaining 500 feet or more of displacement. In view of the subjective character of the projections shown on the geologic section, these figures are obviously not precise, but they probably represent the approximate order of magnitude of the different displacements."

## The Equity Fault[1/]

"The Equity fault is a steep north-dipping fault that extends west across the northern part of the Creede district, transverse to the later normal faults of the Creede graben. North-trending faults cut the Equity fault, and the different blocks comprising the north and south walls of the Equity fault vary widely in relative direction and amount of displacement. The complexities of these relations seem best explained if the Equity fault is assumed to have formed as a result of magmatic intrusion at depth, which caused resurgence of the San Luis Peak cauldron to the north. Some segments of the hanging-wall block were uplifted much more than were adjacent segments. Later normal movement on faults of the Creede graben (see following sections) reactivated some of the earlier faults, reversing the direction of displacement on some and increasing the relative displacement on others."

"The Equity fault terminates to the east against a nearly vertical north-trending fault that cuts diagonally across the ridge east of Whited Creek (pls. 1, 2). Near the terminating fault, the Equity fault is a steep north-dipping reverse fault having

an apparent displacement of 600 - 650 feet; this amount of displacement is indicated by the nearest exposures of the welded-tuff-tuff contact in the Rate Creek Quartz Latite on opposing sides of the Equity fault."

"The Equity fault is closely bracketed near the ridge crest west of Whited Creek (pl. 1). In contrast with other segments along the fault, Rat Creek Quartz Latite south of the fault appears to be structurally higher than the younger Nelson Mountain Quartz Latite north of the fault. Relations may be complicated somewhat in this vicinity by an irregular and generally north-inclined erosion surface between the Rat Creek and Nelson Mountain Quartz Latites. For this reason the relative fault displacement may be less than is indicated by the difference in altitude between the highest rocks of the Rat Creek south of the fault and the lowest rocks of the Nelson Mountain north of the fault. However, at least several hundred feet of normal-fault movement along the Equity fault in this vicinity seems indicated."

"The direction and amount of displacement along the Equity fault change abruptly and markedly across the north-trending fault that extends along the west side of Nelson Mountain into upper Deerhorn Creek Valley (pls. 1, 2). The hanging wall of the Equity fault west of this fault is structurally much higher than all adjacent blocks, and the Equity is a clearcut reverse fault having about 1,300 feet of throw. North of the Equity fault, aggregate displacement on the north-trending fault has been more than 500 feet, and the rocks on the east side have been dropped down. South

of the Equity fault, the displacement is reversed and the rocks on the west side are down; the actual displacement cannot be estimated because of the irregular surface between the Rat Creek and Nelson Mountain Quartz Latites, but it appears to be at least several hundred feet. The resulting structural pattern in this vicinity shows that the blocks northwest and southeast of the fault intersection are structurally high, whereas the blocks northeast and southwest of the intersection are structurally low. The following two-stage sequence of events is suggested to explain this complex situation:

1. Differential movement along the Equity fault began in response to magmatic at depth. The hanging-wall block west of the fault along upper Deerhorn Creek was strongly uplifted, and the adjacent block to the east was depressed somewhat.

2. Later subsidence of the Creede graben (see following sections) created a west-dipping normal fault that was coincident in its northern parts with the earlier fault separating differentially displaced blocks in the hanging wall of the Equity fault. A fault such as the younger one would have reversed the direction of movement along the fault north of the Equity fault, but it would not have done so sufficiently to erase the earlier displacement."

"The west margin of the structurally high block on the hanging wall of the Equity fault between upper Deerhorn and West Willow Creeks is marked by the northern extension of the Amethyst fault. Aggregate displacement on the Amethyst fault north of the Equity fault is in excess of 1,400 feet, measured from exposures of Nelson

Mountain quartz latite along the creek bottom west of the fault and from the exposed base of Nelson Mountain quartz latite on top of the high ridge east of the fault. South of the Equity fault; however, displacement on the Amethyst fault appears to be much less and may be no more than a few hundred feet. These relations also suggest that the segment of the Amethyst fault north of the Equity fault was active when the hanging-wall block between Deerhorn and West Willow Creeks was so strongly uplifted, presumably by magmatic pressures, and that it was reactivated by later movements when the Creede graben last subsided (See following sections.) Movement on the reactivated fault here, however, was in the same direction as the original movement and increased the amount of throw."

" Displacement on the Equity fault between West Willow and Rat Creeks does not appear to have been great and perhaps was no more than a few hundred feet. On this segment of the fault the north side was uplifted."

Amethyst Fault Zone 1/

"'The Amethyst fault zone was clearly active during the last major period of faulting in the Creede graben, as the north end of the tongue of Creede Formation that extends across Bachelor Mountain is cut off by the fault. A dike, probably of Fisher quartz latite, is cut by the Amethyst fault on the Commodore 5 level between the Berkshire and Park Regent shafts (pl. 4). The Creede Formation is not present now on the footwall side of the Amethyst fault zone: therefore, the full amount of late movement could not be measured. The minimum displacement must be more than 300 feet, as the

base of the Creede Formation on the hanging wall is that far below rocks of the Willow Creek Member on the adjacent footwall. As previously indicated (p. 56), the Wason Park rhyolite has been displaced as much as 600 - 700 feet along the Amethyst fault zone. There seems to be no way to determine how much of this aggregate displacement took place during the last period of movement and how much during earlier periods concurrent with subsidence of the Creede caldera."

"The surface trace of the Amethyst fault zone in the area along Bachelor Mountain west of West Willow Creek is sinuous, and some of the bends can be related to control of late movement by pre-existing faults. At the south end of the Amethyst fault zone, late movement was deflected southeast along crescentic faults that originated subsidence of the Bachelor Mountain cauldron, and the movement appears to have dissipated and died out somewhere near the forks of Willow Creek north of Creede. North of these earlier crescentic faults, the Amethyst zone consists of several nearly parallel strands that trend north-northwest for about 3,500 feet from the Bachelor mine through the Commodore mine to the Last Chance mine (pl. 1, fig. 2). This segment is largely in the footwall block of the ancestral Amethyst fault that formed during subsidence of the Bachelor Mountain cauldron, and rocks of the Willow Creek member or the Creede formation constitute the walls at the surface for most of the distance. The old and young faults merge and the whole trend is sharply deflected north through the Last Chance mine

and back to north-northwest in the adjacent Amethyst mine. Subsidiary mineralized fractures are abundant in the hanging-wall block adjacent to this bend and will be discussed in detail later in this section."

"The Amethyst fault zone appears to swing slightly more to the north in the Park Regent mine (pls. 1, 4), and what little can be learned from sparse surface exposures suggests that it extends without further marked change in trend to the northern limit of the area mapped in detail in the vicinity of the Equity mine."

"Several branch faults apparently split off the main Amethyst fault zone beneath the moraine that covers the trend of the fault in the vicinity of West Willow Creek. The presence of a northwest-trending fault along the general course of West Willow Creek is suggested by the relations exposed in a local area of outcrop south of the Rat Creek quartz latite eruptive center. In that area, Rat Creek lavas are apparently displaced relatively downward to a position adjacent to dark Huerto rocks. The exposed rocks are irregularly bleached and altered and several prospect shafts have been sunk, but none of these exposes the fault. This fault probably extends from the Amethyst to the Bulldog Mountain fault zones, but no evidence was seen at the surface to indicate the position of the probable intersections."

"A west-dipping normal fault cuts across the west end of Nelson Mountain and projects south beneath a great landslide mass toward the Amethyst fault zone. Exposures of Rat Creek and Campbell Mountain rocks limit the possible position of this projected fault

on the east, but no similar control exists to establish a western limit. The trend shown on the geologic map (pl. 1) was determined by assuming that the fault does not deviate much from the trend mapped farther north."

"From Deerhorn Creek to upper West Willow Creek, the Amethyst fault zone traverses a talus-flanked ridge that consists largely of the Nelson Mountain quartz latite. Exposures are poor, but the general trend of the fault is indicated by discontinuously altered rock, fault-breccia float, and a soil-covered saddle across the ridge crest."

"An east-dipping normal fault branches from the Amethyst fault zone near upper West Willow Creek and extends south along the ridge between West Willow and Deerhorn Creeks at least to the vicinity of the Captive Inca mine. The south end of this fault clearly displaces rocks of the Nelson Mountain quartz down against the local cone complex of Rat Creek quartz latite. Adjacent rocks are irregularly altered along at least the southern part of this fault, and at the Captive Inca mine the dump of the caved shaft consists largely of soft argillized rock."

"The dip of the Amethyst fault zone was measured at many places in the mine workings along the east side of Bachelor Mountain; most measurements were 50° - 70° SW. More reliable figures on the general dip of the fault zone were obtained from the relative positions of the fault zone on different mine levels. As measured between the Commodore 3, Amethyst 5, and Commodore 5 levels (pls. 3, 4),

the dip average 55° - 60° SW north of the pronounced bend in surface trace of the fault at the Last Chance mine, 65° - 70° SW for at least 2,000 feet south of the bend, and 60° - 65° SW toward the south end of the major mine workings. These changes in dip result from a fault that is sinuous near the surface but nearly straight at the level of the lower mine workings."

"The hanging wall of the Amethyst fault is highly broken for several hundred feet west of the main fault near its south end in the Bachelor and Commodore mines. The fractures form a persistent zone of late cracks that dip generally west but are steeper than the main fault. Veins occupy many of these fractures and have been developed in extensive mine workings on the Commodore 3 and Commodore 5 levels (pls. 3, 4). The veins are stoped on some of the higher levels of the mines. In the Commodore mine, minor antithetic faults that are either nearly vertical or dip steeply northeast are abundant, particularly in the upper levels of the mine; many of these were filled with metalliferous veins that have since been mined out. None of the subparallel to antithetic hanging-wall faults near the south end of the Amethyst vein sufficiently offset contacts to be detected by surface geologic mapping."

"The pattern of fractures in the hanging wall of the Amethyst fault farther norther opposite the Last Chance and Amethyst mine segments is markedly different. Near the main fault, many subparallel hanging-wall fractures form a highly sheared zone as much as 100 feet wide or more adjacent to the main fault."

Farther out in the hanging wall, the subsidiary faults form intersecting nearly vertical conjugate fractures. In the upper levels of the mine, these fractures are very abundant and form a complex pattern; they become progressively fewer and simpler in pattern downward. The highly sheared hanging wall and the focus of the conjugate fractures are both opposite the pronounced bend in the main Amethyst fault at the Last Chance mine. Maps of currently inaccessible mine workings on the Last Chance 2 and adjacent levels in the upper parts of the mine show that a maze of intersecting veins has been mined out in this area. Several hundred feet lower, on the Amethyst level (pl. 3), we mapped many intersecting mineralized fractures on both trends of the conjugate system; at this level the pattern is much simpler than that indicated by maps of the higher workings. On the lowest accessible mine workings on the Commodore 5 level (pl. 4), the conjugate system is represented by only one main fracture zone on each trend."

"As the subsidiary fractures are nearly vertical, the focus of most abundant conjugate fracturing is progressively closer to the main Amethyst fault in successively deeper mine levels. On the Amethyst level, the most abundant conjugate fractures are about 300 feet out into the hanging wall, whereas 700 feet lower, on the Commodore 5 level, they are concentrated only 100 - 150 feet out into the hanging wall. Both the pronounced bend in the main Amethyst fault and the nearby focus of conjugate fracturing in the hanging wall rake north, and on the lower, Commodore 5 level they are 200 - 400 feet north of comparable positions on the

Amethyst level."

"Outside the general focus area, fractures following the two generally conjugate directions are dissimilar; those that trend south to southwest generally are indistinct and discontinuous, and those that trend northwest are much more persistent. The northwest-trending O H vein marks a conspicuous zone of integrated fractures that extends at least 4,500 feet northwest from the focus area (pls. 3, 4); this zone was abundantly mineralized and has provided most of the ore produced in the Creede district in recent years. Two minor zones of fractures have been followed south to southwest 500 - 1,000 feet from the focus area on different levels. The zone exposed on the Amethyst 5 level (pl. 3) is indistinct and discontinuous, whereas the zone exposed on the Commodore 5 level (pl. 4) is more persistent, although still not a zone of intense fracturing."

"Movement on the O H fracture zone appears to have been minor and largely strike slip: the northeast side moved relatively southeast. Little or no finely granulated rock or gouge was noted along the zone, and the appearance of the abundant fractures and open spaces suggests that the movement was no more than enough to form them and spread them to their present position. For the length of the zone exposed, a right-lateral sense of displacement is indicated consistently by the fact that deflections to the right remained open and were abundantly mineralized, whereas deflections to the left were tight and sparsely mineralized. Diagonal

tension fractures in the vein or fracture zone trend more to the north than does the main fracture zone; this also indicates a right-lateral sense of displacement."

"The abundant conjugate fractures focused in the hanging wall of the Amethyst fault opposite the Last Chance mine probably resulted from stresses generated by the relative downward displacement of a highly curved segment of the main Amethyst fault, represented by the present surface trace, to a position adjacent to the nearly straight segment of the fault exposed on the Commodore 5 level. The resulting deformation is thus analogous to the collapse of a steeply inclined arch under the influence of the vertically acting force of gravity. Compression at right angles to the axis of the collapsing arch and at right angles to the direction of maximum tension on the main fault would thus account for the conjugate system of fractures; movement of the wedge of rock between the O H and Amethyst faults toward the collapsing arch would account for the indicated minor right-lateral displacement along the O H fault."

## Ore deposits along the Amethyst fault zone[1/]

### Northern Segment

"In the northern segment of the Amethyst vein (generally north of coordinate+800 N.), both the hanging wall and footwall are well explored by crosscuts and drifts on the Commodore 5 level 180 - 800 feet north of the Berkshire shaft (pl. 4). The southernmost crosscut extends northeast from the O H vein across the

Amethyst vein and about 120 feet into its footwall. The footwall consists of firm but slightly chloritized and argillized Willow Creek rocks for about 80 feet from the Amethyst vein and then of hard, unaltered Willow Creek. Few late fractures cut these rocks, but the slightly altered rocks consist of firm pervasively broken fault breccia of the type commonly associated with the ancestral Amethyst fault. The hanging wall, on the other hand, is cut by many subsidiary mineralized fractures within 120 feet of the Amethyst vein; these fractures dip steeply west and generally parallel the main vein. One integrated minor vein zone in the fractured hanging wall was followed northwest by a drift for about 270 feet, at which point the drift was turned north to northeast back to the main Amethyst vein. The subsidiary vein zone fills a system of interlacing late fractures that follows the approximate west margin of pervasively broken and silicified fault breccia related to the ancestral Amethyst fault. In its last exposure, this vein zone is indistinct; only a minor mineralized seam appears on trend in a crosscut 300 feet farther northwest."

"The North Drift crosscut, about 650 feet north of the Berkshire shaft, extends west from the Amethyst vein to the O H vein (pl. 4). Hanging-wall fractures are abundant a short distance west of the intersection of the crosscut with the Amethyst fault but are not conspicuous at the intersection. The Amethyst vein near the intersection is much narrower than farther south and consists of sheared chloritic breccia containing sulfide minerals and ranging from a few inches to a few feed in width. A crosscut extending about 200 feet into

the adjacent footwall exposes widely spaced mineralized fractures."

"The trend of the ancestral Amethyst fault deviates somewhat from the trend of the main mineralized Amethyst fault in the vicinity of the North Drift crosscut. On the crosscut itself, the change from brecciated Willow Creek to brecciated Campbell Mountain rocks occurs about 45 feet west of the main vein; the ancestral and main Amethyst faults converge both north and south, however, and appear to coincide for a distance of 150 feet along the vein in both directions from the crosscut."

"North of the North Drift crosscut, in the Happy Thought, White Star, and Park Regent mines, our firsthand data are limited to the Commodore 5 tunnel level, and even here exposed segments of the vein account for only about two-thirds of the length of the vein developed by mine workings. The upper levels of these mines were inaccessible in 1911 and 1912, when Emmons and Larsen (1923) did their fieldwork; so even previously published firsthand data concern only the lower parts of the mines."

"According to Emmons and Larsen (1923, p. 164, 1968), most of the ore extracted from the Happy Thought mine and at least the southern part of the White Star mine came from between 600 and 1,200 feet below the surface; our own underground studies showed that large stopes bottomed on or near the lower tunnel that we mapped. In the Park Regent mine, a shaft collared at the surface extends to the lower tunnel level, and several raises extend up from this level along the vein. We have no idea how extensive the mine workings are above the tunnel level, but apparently the vein has not been stoped significantly."

"The haulage tunnel intersects the Amethyst vein 120 feet north of the North Drift crosscut, where the vein is only 1-2 feet wide. From this point, the tunnel cuts unaltered and virtually unsheared Willow Creek rocks for 460 feet in the footwall of this vein. A short crosscut extending west from the tunnel 400 feet north of the North Drift crosscut exposes nearly 15 feet of somewhat chloritic rubble breccia containing sulfide minerals, but the full width of the vein zone was not exposed and we were able to establish only the local strike and dip of the footwall of the vein."

"The tunnel again intersects the Amethyst vein 460 feet north of the North Drift crosscut and follows it for nearly 150 feet. The back of the tunnel was lagged tight, however, and we were able to observe only thin skins of the vein along the walls. The vein appears to be 5-15 feet wide and to consist largely of chloritic rubble breccia containing disseminated sulfide minerals. The dip in this segment is generally 60° W. An altered porphyry dike is exposed along the footwall 670 - 950 feet north of the North Drift crosscut, and in this area a conspicuous series of footwall splits from the Amethyst vein was mapped. Workings along the main vein are caved, and the haulage tunnel follows the subsidiary veins into the footwall, bypassing the caved area. The footwall vein follow curved fractures that rejoin the main vein to the north and enclose lens-shaped masses of wallrocks (pl. 4)."

"The haulage tunnel intersects the Amethyst vein again about 1,000 feet south of the Park Regent shaft and follows its trend

for 220 feet farther north. Where first intersected, the vein is only 2-6 inches wide; but 40-50 feet farther north, footwall splits join the vein from the south, and the whole zone widens to 5-10 feet of chloritic rubble breccia containing irregularly distributed sulfide minerals. A conspicuous footwall split joins the main vein near the north end of this local area of exposure, and the vein zone widens to nearly 20 feet. The dip of the hanging wall in this segment is about 60° W. Granulated and sheared vein material resulting from postmineralization movement along the fault is common."

"About 800 feet south of the Park Regent shaft the haulage tunnel again turns into the footwall, first through about 30 feet of intrusive porphyry and then into unaltered Willow Creek rocks. It follows about parallel to the Amethyst vein to a point about 500 feet from the Park Regent shaft where it again intersects the main vein. Adjacent to this unexposed segment, however, the strike of the Amethyst vein changes from about N. 30° W. to about N. 10° W. The trend of N. 10° W. persists northward to at least 250 feet north of the Park Regent shaft. It is unfortunate that the area including this bend in strike is not exposed, because farther south along the Amethyst vein such areas are commonly marked by associated hanging-wall fractures. A branch may split out from the main vein in this vicinity."

"'From the Park Regent shaft to a point 500 feet south the Amethyst vein is generally only a few inches to 1 foot wide, but a few local pods are as much as 4 feet wide. The vein consists largely of chlorite and hematite and disseminated sulfide minerals. Some segments are largely yellow clay and appear virtually barren. The dip is

generally 60° W. and the strike of the vein is regular."

"From the Park Regent shaft the Amethyst vein widens progressively to a point about 120 feet farther north, where it occupies the full width of the tunnel and consists of chloritic rubble breccia containing sulphide minerals. Still farther north, 250-300 feet beyond the shaft, the trend of the vein again swings more to the north; and from here to the end of the accessible workings, 700 feet north of the shaft, the vein strikes about N. 5° W. The vein ranges from 2 to 5 feet in width through most of the segment north of this bend and consists for the most part of chloritic rubble breccia containing sulfide minerals. When the northern part of the tunnel was visited the air in it contained little oxygen, and that part of the tunnel was mapped so hurriedly that only the general relations were observed."

Equity Vein[1/]

"At least two and perhaps three periods of hydrothermal activity are apparent in the vicinity of the Equity mine. The oldest period definitely preceded eruption of the Nelson Mountain Quartz Latite and resulted in pervasive bleaching and alteration of Bachelor Mountain Rhyolite exposed on the hanging-wall block of the Equity fault between West Willow and Deerhorn Creeks (pl. 1). Most of the altered rock is bleached and softer than normal Bachelor Mountains rocks and contains widely disseminated grains of pyrite; rusty knobs representing silicified and more thoroughly pyritized rock proturde through losse talus and surface debris at several places on the steep slopes above West Willow Creek. Unaltered Nelson Mountain Quartz Latite rests unconformably

on top of this block of altered Bachelor Mountain Rhyolite and is in fault contact with it in many places along the Equity fault."

"The second known period of hydrothermal activity affected rocks chiefly in the vicinity of the Equity fault. In the cursory examinations made during field mapping, the results of this period of alteration were apparent largely in the Nelson Mountain rocks adjacent to the fault, which were locally and irregularly argillized or chloritized. Disseminated pyrite is common in these altered rocks. The limited distribution and irregular character of the altered rocks formed during this period of alteration contrast markedly with pervasively altered Bachelor Mountain rocks affected by the earlier period of alteration. Underground in the Equity mine, this period of alteration is represented by argillized and silicified rock along the Equity fault."

"The possibility of a third period of hydrothermal activity is suggested by late mineralized fractures that cut the argillized and silicified rocks exposed underground. It is not known whether the origin of these later veins is related to the period of hydrothermal activity responsible for altering the enclosing rock or whether the veins are much later and are unrelated."

"To correlate the geology mapped underground at the Equity mine (fig. 7) with that exposed on the hillside high above, we had to reorient our base map. As originally drawn, the main haulage tunnel extended into the hill on a trend of about N. 80° E. A compass bearing near the portal, however, indicated that this trend is more nearly S. 80° E. and that the original map is probably in error.

Independent support for reorienting the map is given by the geology; surface and underground geology correspond to the haulage tunnel trending S. 80° E., whereas they do not correspond to the tunnel trending N. 80° E."

"The portal of the Equity tunnel is in rocks of the Willow Creek Member north of the Equity fault. The fault, now marked by a zone of highly argillized rock between the Willow Creek and Campbell Mountain Members, is about 520 feet in from the portal (fig. 7) and strikes about east, parallel to the strike on land surface. A crosscut from the end of the haulage tunnel, about 750 feet from the portal, extends south from the fault for nearly 340 feet into rocks of the Campbell Mountain Member in the footwall block without exposing any other kind of rock or intersecting another fault or sheared zone. A short crosscut north from the end of the tunnel intersects a zone of highly silicified fault breccia as much as 40 feet wide along the Equity fault. Workings along the Equity fault exposed similar silicified breccia over a length of about 420 feet. A crosscut driven about 280 feet north into the hanging wall exposes bleached and somewhat altered rocks of the Willow Creek Member, cut by a few minor widely spaced mineralized fractures."

"The pod of silicified and highly argillized rock that follows the Quity fault throughout the length exposed in the mine healed the fault breccia so thoroughly that the location of the actual change in formations in the broken zone is difficult to find. This alteration clearly followed major fault movement, and the resulting altered rocks probably are related to the spottily altered Bachelor Mountain and Nelson Mountain rocks that occur along the surface

trae of the Equity fault and formed during the second period of hydrothermal activity in this vicinity. This period of alteration may have closely followed the main period of fault movement on the Equity fault (p. 57) or it may have been later."

"The late sheared zones representing the possible third period of hydrothermal activity cut the argillized and silicified rocks that heal the Equity fault. These sheared zones are marked at different places by open breccia, fault gouge, argillized rock, and by sulfide minerals, chiefly pyrite. It is not known whether the late veins of these sheared zones are related in origin to the period of hydrothermal activity responsible for altering the enclosing rock or whether they are much later and unrelated."

"Larsen (1930, p. 101-102) reported that ore valued at $91,000 had been extracted from the mine; assays across the stoped ore ranged from 6.3 to 154.3 ounces of silver and 0.06 to 1.61 ounces of gold per ton, and small quantities of lead, zinc, and copper were also reported."

## Amethyst and Related Veins

"We have made no specific review of the intensively developed parts of the Amethyst vein to determine whether unstoped blocks remain that are worthy of prospecting. A careful comparison of assay records and stope and level maps might well disclose such blocks, and this comparison would probably be a profitable undertaking. Deep exploration by the Creede Exploration Company between 1917 and 1920 (Larsen, 1930, p. 93) exposed good ore in the Amethyst mine 120 feet below the Nelson tunnel level, but elsewhere the results were

dissapointing. We do not know how far laterally the ore extends along the vein beneath the Amethyst mine, but some stoping ground may exist in this vicinity."

"The northernmost mine workings on the Amethyst vein in the Park Regent mine on the Commodore level (pl. 4) expose good widths of vein material for at least 700 feet north of the Park Regent shaft and to our knowledge the north end of the mineralized ground was not reached. Several higher levels have been driven north from the Park Regent shaft and some interconnecting raises exist, but apparently little ore has been stoped. Continued exploration of this northern part of the Amethyst vein seems a logical program."

"With regard to the hanging-wall veins, we again have not reviewed in detail the possibility that blocks of stoping ground may still exist in the more intensively developed parts of the mines. Careful study of existing records and maps might prove profitable in these areas as well."

"More important to future exploration is the possibility that hanging-wall veins may branch off from the more northerly parts of the Amethyst vein. As noted earlier (p. 74), the strike of the Amethyst vein on the Commodore 5 level changes abruptly 500 - 600 feet south of the Park Regent shaft, and it changes again, in lesser degree, about 250 feet north of the shaft. The southernmost bend was not exposed in accessible mine workings, so firsthand information is lacking. From experience farther south on the Amethyst vein, however, the hanging-wall block adjacent to such a bend is a likely place to seek subsidiary fractures; if such exist here, they most

probably would be mineralized to some degree. Surface mapping west of the Amethyst vein and north of West Willow Creek disclosed relations that seemingly indicate a northwest-trending fault (p. 65), and bleached and altered rocks near the fault indicate at least some hydrothermal activity. Such a fault might well intersect the Amethyst fault to the southeast somewhere in the vicinity of the Park Regent shaft (pls. 1 and2). An intersection thus located would definitely be of interest as a possible ore-bearing structure. The surface is largely covered with glacial debris, so tracing the fault or determining its possible economic potential must depend either on physical exploration or on some geophysical technique."

"Little can be said concerning the economic potential of various branches of the Amethyst fault north of West Willow Creek. Local bleaching and alteration of adjacent wallrocks indicates at least some hydrothermal activity. Were we able to date the deposition of ore at the Equity mine relative to that along the productive parts of the Amethyst vein, we might be able to assess the prospecting possibilities along these north-trending faults more fairly. Geochemical prospecting might indicate whether further exploration would be warranted."

## Summary and Conclusions

The review of material from U. S. Geological Survey 487, herein included, a review of T. A. Steven's memorandum dated November 4, 1966, and a study of the data submitted by the applicant indicates that the area of the intersection between the Equity vein and the Amethyst Fault zone, and/or vein is a most interesting target area geologically, and certainly an area that does warrant a certain amount of exploration.

Many geological problems, however, remained unsolved that are pertinent to a planned exploration program of the target area. A detailed geologic study, more than has been completed to date, is required before large sums of money should be expended on the property. Steven's recommends additional work be done in the Equity mine eastward to test the Equity fault near the known area of silver mineralization, and particularly the zone below the reported ore in the old workings above and east of the present workings.

The applicant should do still more extensive sampling along and across the trend of both the Equity and Amethyst-strand fault to see if this intersection shows any indication of ore at depth. There has not been enough good data submitted to justify the exploration program as requested by the applicant. It is therefore recommended that the application be denied without prejudice.

References

Meeves, Henry C., and Darnell, Richard P., 1968. Study of the Silver Potential, Creede District, Mineral County, Colorado.

1/ Steven, Thomas A., and Ratte', James C., 1965. Geology and Structural Control of Ore Deposition in the Creede District, San Juan Mountains, Colorado, U. S. Geological Survey, Professional Paper 487. (Variously quoted).

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Building 53 Room 203

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February 12, 1968

Mr. Joe G. Cox, Vice President
Equity Mines, Inc.
P. O. Box 1955
Monahans, Texas 79750

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Dear Mr. Cox:

This letter is written in reply to your telephone request Friday, February 9, 1968 concerning the status of your application referred to above. I am sorry not to have been in the office at the time of your call, as I was attending the Colorado Mining Association meetings in downtown Denver.

If you recall our conversation in my office on December 4, 1967, I indicated that we not only needed a more detailed description of the sampling completed by you, which you have since provided in a letter dated December 6, 1967, and that a field examination will be required to properly evaluate the proposed exploration in the target area at the intersection of the Equity and Amethyst faults.

The initial examination which I made on October 25, 1966 was scheduled along with other examinations in the Creede area and time was not available to complete more than a cursory examination of the Equity Mine, consequently the target area referred to above was not examined at that time. I talked with Mr. Leslie Turnipseed by telephone this morning, and again informed him that an on-site field examination must still be made in the area of the intersection of the Equity and Amethyst Faults in order to make a complete and fair appraisal of your property in view of the proposed exploration program. Mr. Turnipseed will notify us of the earliest possible date that the property will be clear of snow and an examination will be made at

that time. We will then be in a better position to evaluate your proposal and will give it careful study and consideration as well as prompt attention.

Sincerely yours,

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

cc: Mr. Leslie Turnipseed

Chief, OME
OME-6582
OME chron
Mr. Hasler

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 203

February 13, 1968

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Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Mr. Joe G. Cox, Vice President, and Mr. Leslie Turnipseed conferred with me on December 4, 1967 concerning the subject application. We discussed the status of the application and I informed them that additional data would be required along the lines of a more detailed geologic description of the samples submitted to date, as well as a description of the alteration and mineralization of the surface areas that have been explored to date.

Mr. Cox and Mr. Turnipseed were also informed that another field examination would be required, as the original field examination was a very limited one in time and scope, in that it was scheduled along with other field work in the area and time was not available to examine the entire area involved in the application due to previous commitments.

A telephone call from Mr. Cox on Friday, February 9th requesting knowledge of the status of their application was followed up by a call to Mr. Leslie Turnipseed Monday February 12, 1968 as I was attending the Colorado Mining Association meetings on Friday.

I informed Mr. Turnipseed that I had received the detailed description of their sampling but that an on-site field examination would be required to more thoroughly appraise the proposed work, especially with reference to the alteration, and extent of mineralization in the area of surface sampling and exploration work in the target area

at the intersection of Equity and Amethyst Faults.

Mr. Turnipseed informed me that they would notify us as soon as the property is available for a field examination after the melting of winter snow and spring run-off.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

EQUITY MINES, INC.
Box 222
Creede, Colorado 81130
December 6, 1967

OME Region III
RECEIVED
DEC 8 - 1967
Denver, Colorado

Mr. J. William Hasler
Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Building 25, Denver Federal Center
Denver, Colorado 80225

Re: OME-6582 (~~Silver~~)
Equity Mines, Inc.
Equity Mine
Mineral County, Colo.

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O. M. E.
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Dear Mr. Hasler;

Les Turnipseed and I thoroughly enjoyed our informative meeting with you Monday morning. We had a short visit with Tom Steven before lunch and then headed home.

Following is a more detailed description of our sampling --- as referred to in our letters of July 1, 1967 and September 8, 1967 with sample locations as shown on assay maps accompanying those letters:

Sample Nos. 1 thru 5 are from a zone of mineralization approximately 100 feet wide along the apparent Equity Fault above the old mine workings. They are grab samples from the footwall of pronounced rock outcrop.

Sample 6 is a grab sample of surface soil & gravel along the apparent Equity Fault about 200 feet west of its intersection with the Amethyst Fault.

Samples "Equity Mud", E-1 and E-2 are from a bulldozer cut 60-70 feet long and as much as 8 feet deep, along the Equity Fault about 150 feet west of its intersection with the north-trending strand of the Amethyst Fault along Deerhorn Creek. The cut exposes bedrock across the trend of the fault. The "Equity Mud" is a grab sample from a highly altered white mud with disseminated pyrite about 8 feet wide along the actual trace of the fault. Pyrite is estimated to constitute 10-25 percent of the altered rock. Samples E-1 and E-2 are grab samples from a broken zone about 40 feet wide in the hanging wall of the fault.

Samples AM 1 thru 10 are from a bulldozer cut across the Amethyst strand fault about 600 feet north of its intersection with the Equity Fault. The cut is about 70 feet long and 6 feet deep, and exposes bedrock or broken bedrock along the trend of the fault. The samples are grab samples of broken and oxidized rock taken at approximate 5 foot centers across the zone.

Phone Hasler 1/29/68 An on-site exam of the alteration zone is prerequisite to a recommendation — will be scheduled a.s.a.p.

Tom Steven has a sample of our "Equity Mud" in his office.

Surface geochemical sampling results are plotted on attached graph paper. Please refer to previous correspondence and assay map for topographic locations. As stated in our letter of July 1, 1967, there is deep overburden on the crown of this mountain, and excavating down to bedrock for assay sampling at other locations along the Equity Fault would be very expensive. Note attached surface profile along Equity Fault.

As you know, our target of this exploration is the intersection of the Equity and Amethyst Faults --- approximately 3200 feet east of the old Equity Mine workings. We have furnished you with copies of our smelter settlement sheets, proving existence of ore bodies in the old workings. From three possible periods of mineralization and possibly 1500 feet or more of throw, this entire zone of Equity Fault between West Willow and Deerhorn Creeks was fractured considerably. Our proposed exploratory drifting will attempt to follow the main course of the vein to the Amethyst intersect. This 3200 foot drift should certainly discover marketable ore in the area of the intersect, and quite possibly at other locations.

To date, we have spent approximately $30,000. in the rehabilitation and exploration of the old workings --- and another $20,000. to purchase outstanding property from arbitrary owners so we could meet stated requirements for this OME loan. In our letter of July 1 we estimate cost of project at $158,600. --- to include professional services, and all other expenses. This is about as tight as we can figure it, and of course, our 25% of this would be $39,650.

Now our point is: We can come up with the $39,650. and that will strap us. So we would rather apply this money directly on the exploration contract, than take any part of it for more continued, inconclusive surface sampling or sub-surface drilling.

We prefer the "Fixed Unit Costs" type of contract because since our original application of October 1966, we have sold, released, etc. some of our equipment, labor outlook has changed, and other factors. I believe you will agree that $48. per foot is cheap enough for our drifting estimate --- in our type material.

If you desire another on-the-site inspection, we suggest you come to Creede as soon as possible. Weather has been good for the past several months, but one bad storm will dump enough snow on top to prevent your observing much structure up there. Call Les at Creede 658-2533 when you're ready so he can advise and/or make arrangements to take you up.

We sure would like to have this contract in time to make arrangements to start work by no later than April of 1968. Your consideration of this application is appreciated.

Yours very truly,

Joe G. Cox
Vice-Pres.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration

OFFICIAL COPY
O. M. E.
RECEIVED
SEP 15 1967

| INITIALS | CODE |
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| gla | 130 |
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| HK | 120 |
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September 13, 1967

Memorandum

To: Chief, OME

From: Field Officer, Region III

Subject: OME-6582 (Silver)
Leslie Turnipseed
Equity Mines, Inc.
Mineral County, Colorado

Transmitted herewith are copies of the following which are pertinent to the subject application:

Letter to Field Officer, Region III from Joe G. Cox, Vice-President of Equity Mines, Inc.

Certificate of Assay from Creede Assay Office

Sampling 4 to 6 feet below surface -- Equity and Amethyst Faults

Map of Patented Mining Claims in the Upper West Willow Creek, Mineral County, Colorado

The map and an autopositive of the map have been retained in the OME Region III Field Office files.

J. William Hasler
m.c.

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosures

D.C. is Waiting for Rept. of Field Exam.

EQUITY MINES, INC.
Box 222
Creede, Colorado 81130
September 8, 1967

OME Region III
RECEIVED
SEP 11 1967
Denver, Colorado

Mr. J. William Hasler
Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Building 25, Denver Federal Center
Denver, Colorado 80225

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colo.

Dear Mr. Hasler;

Enclosed please find the additional information mentioned in our letter of last month.

The Deerhorn Creek bottom at the intersection of the Equity and Amethyst Faults is very marshy. This prohibits surface excavation at the exact intersect, but we dug with a dozer at locations indicated, with resultant assays and geochemical analyses attached.

On the attached map, we have relocated in pencil the results from locations described in our letter of July 1, 1967; the new information is shown for locations marked in red. All assays indicated silver. Samples taken were from depths of 4 to 6 feet below surface. We now feel more than ever that this would be a worthwhile project.

Yours very truly,

Joe G. Cox
Vice-President

Gordon E. Hosselkus

Ph. 658/2497, Box 376

# CREEDE ASSAY OFFICE

Custom Assaying

CREEDE, COLORADO

Certificate of Assay

ASSAYED FOR Equity Mines Inc.

DATE August 30, 1967

| No. | Description | Gold | Silver | Lead | Zinc | Copper |
|---|---|---|---|---|---|---|
| | Equity Mud | NIl | 0.10 | 0.1 | Nil | Nil |
| | E 1 | Nil | Tr. | Nil | Nil | Nil |
| | E 2 | Nil | 0.06 | 0.1 | Nil | 0.1 |
| | A M 1 | Nil | Tr. | Nil | Nil | 0.1 |
| | A M 2 | Nil | Tr. | 0.1 | Nil | 0.1 |
| | A M 3 | Nil | Tr. | 0.1 | Nil | Tr. |
| | A M 5 | Nil | Tr. | NIl | Nil | Tr. |
| | A M 6 | Nil | Tr. | Nil | Nil | Tr. |
| | A M 7 | Nil | Tr. | Nil | Nil | Tr. |
| | A M 8 | Nil | Tr. | Nil | Nil | Nil |
| | A M 9 | Nil | Tr. | Nil | Nil | Nil |
| | A M 10 | Tr. | Tr. | Nil | Nil | Nil |

Sampling 4 to 6 feet below surface --- Equity & Amethyst Faults
August 1967

Mercury Vapor -.040 mesh screen .25 gram samples catalytic coil

| Sample No. | ppm Hg |
|---|---|
| Eq 1 | .240 |
| Eq 2 | .300 |
| Equity Mud | .400 |
| Am 1 | .320 |
| Am 2 | .400 |
| Am 3 | .680 |
| Am 5 | .240 |
| Am 6 | .280 |
| Am 7 | .360 |
| Am 8 | .280 |
| Am 9 | .360 |

Note: Assays run on mat'l. from same locations

EQUITY MINES, INC.
Box 222
Creede, Colorado 81130

OMEE Region III
RECEIVED
AUG 8 1967
Denver, Colorado

Mr. J. William Hasler
Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Building 25, Denver Federal Center
Denver, Colorado 80225

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colo.

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 10 1967

| INITIALS | COPY |
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Dear Mr. Hasler;

The latter part of this week we are taking a dozer up the mountain to do annual assessment work on our claims. As our intent will be to uncover further the subject veins of the loan application, we ask that you withhold further judgment on the application until we can have more assays and geochemical analyses run thereon. We feel this additional information can pinpoint our targets for you better.

You can expect this information prior to the 1st of Sept.

Yours very truly,

Joe G. Cox

Joe G. Cox
Vice-Pres.

MME Form 7
(2/63)

OME File

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 7/10/67 | R. Smith | 1205 |
| 7/11/67 | Sirkemo | 120 |
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JUL 11 1967

Memorandum

To: Field Officer, Region III

From: Chief, Office of Minerals Exploration

Subject: OME-6582 (silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

The application is referred to Region III for review, a field examination if you consider it necessary, and for recommendations.

The Applicant's letter of July 1, 1967, and the accompanying documents, copies of which were sent to you, are sufficient to establish its financial eligibility and property rights. The assay certificates and map indicate anomalous trace amounts of silver, gold and mercury along the Equity vein and Amethyst fault but indicate very little to support the probability of a significant discovery of silver.

There are no descriptions of the vein samples 1-6 or of the sampling method or vein widths. These samples were taken at different localities from the geochemical samples (except No. 6) so there is little indication of whether or not the silver assays can be correlated with the mercury anomalies. However, if the assays of sample 6 (Au-Ag Tr., Hg 0.6 ppm) are used as a correlation factor, then the other mercury samples indicate less than a trace of silver and gold throughout most of the area to be explored. The best silver-gold assays (samples 4 and 5) are near the face of the existing workings, and may indicate an ore shoot 100-300 feet ahead of the old workings. From data at hand we see no indication of other ore shoots and hence no justification for drifting 3200 feet.

In the application the only justification presented for drifting to the intersection of the Equity vein with the Amethyst fault is that "In the area above Creed, the Amethyst Fault has proven to be the No. 1 mineral bearing fault mined to date." If a contract is recommended some evidence of an ore shoot at this particular intersection should be presented.

The Applicant's estimate of costs appears to be a little high owing, perhaps, to his including the following items at full cost:

Rail, pipe--50 percent salvage value

Mining equipment--depreciation at 1/60 per month

Dump truck--depreciation at 1/60 per month

In addition his figure of $1,000 per month for one miner is about $4.80 per hour.

FRANK E. JOHNSON

Frank E. Johnson

cc:
Director's Reading file
Division file
Econ. Geol. Reading
OME Reading
OME Docket
Mr. Smith
Chron.
130

RMSmith:mch 7-10-67

MME Form 7
(2/63)

OFFICIAL FILE COPY

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| 7/10/67 | RMSmith | 1205 |
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JUL 11 1967

AIRMAIL

Equity Mines, Inc.
P. O. Box 222
Creede, Colorado 81130

Re: OME-6582 (silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Gentlemen:

Thank you for your letter of July 1, 1967, and the accompanying Lien and Subordination Agreements, two quit claim deeds, two assay certificates and an assay map.

The application has now been referred to Mr. J. William Hasler, Field Officer, Region III, Office of Minerals Exploration, U. S. Geological Survey, Building 25, Denver Federal Center, Denver, Colorado 80225. The Regional Office will notify you if additional information is needed.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc:
Director's Reading file
Division file
Econ. Geol. Reading file
OME Reading
OME Docket
OME Region III
Mr. Smith
Chron.
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RSmith:mch 7-10-67

23263

EQUITY MINES, INC.
Box 222
Creede, Colorado 81130
July 1, 1967

Mr. Frank E. Johnson
Chief, Office of Minerals Exploration
U. S. Geological Survey
U. S. Department of the Interior
Washington, D. C. 20242

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colo.

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 6 1967
INITIALS CODE

Dear Mr. Johnson;

Please refer to our original Application for Financial Assistance in Minerals Exploration, submitted in October of 1966:

Section 2. Rights in Land
Revised to read:

Names and addresses of owners of patent claims are:

(1) Equity Mines, Inc. — 50% of a 19/20 Share
Box 222
Creede, Colorado

(2) Joe G. Cox — 50% of a 19/20 Share and 1/20 Share
Box 1955
Monahans, Texas

Note: Cox bought out Harry V. Ellithorpe, Robt. M. Ellithorpe, Clifford M. Frye, and Mrs. A. D. Whitten (known also as Neita M. Whitten, widow and heir of A. D. Whitten, deceased). Copies of these two Quit Claim Deeds are attached.

MME-Forms 52 -- Lien & Subordination Agreement are attached-- Subordinating Cox's portion of ownership in the property to the Government, in event loan is approved.

Attached please find results of surface assays taken along Equity Fault last month. These are random samples, not picked to promote enthusiasm. They are numbered 1 thru 6 and are keyed to attached map.

We took no assays on the crown of the mountain, as topsoil is deep thereon, and we felt the attached list of results from geochemical sampling should suffice to show silver ore bodies along the vein (E-1 thru E-23). They are also keyed to the map. You will note that Assay #6 showing a trace of gold & silver came out .600 ppm on the geochemical. Background sample from non-mineralized area at the Equity would be .010 to .020 ppm.

Samples A-1 thru A-11 were taken along the Amethyst Fault at locations marked on map. All these results look pretty good to us and seem to verify our theory.

No decription of sampling method, widths, material sampled.

Since our original application, costs of labor, materials and equipment have increased somewhat. It appears that we may be wiser to operate on a 2 shift per day basis. This would accomplish our purpose sooner, at some saving in overhead, but to do this would require additional equipment such as a mucker, and a battery powered trammer along with some more ore cars. A ventilation system will be mandatory.

For reasons such as these, we feel it would be in the best interest of the Government if you would consider the "Fixed Unit Costs" type of Contract. This would put more of the burden of accomplishment on Equity Mines, Inc. After careful study and review of our problems, we feel a fair fixed unit cost of the proposed drifting in the material of the Equity Fault would be $48. per foot. This would amount to $153,600. We also wish you would consider approximately 2500. feet of "long hole" drilling with our equipment at cost of $2.00 per foot. This would aid us in checking cross-veins and lining out ahead.

3200 feet
48 ) 153,600

The above would call for a total Contract of $158,600.00, of which we would and could handle 25%. The project could be completed in approximately 10 months. We feel it to be very worthwhile, especially now in view of our Nation's apparent silver shortage. It is our earnest hope that you will view this application favorably.

Yours very truly,

Joe G. Cox
Vice-President

cc: J. Wm. Hasler
@ Denver

MME Form 7
(2/63)

OFFICIAL FILE COPY

| Date | Surname | Code |
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| 5/25/67 | R M Smith | 120 |
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AIRMAIL

MAY 25 1967

Mr. Joe G. Cox
Vice-President
Equity Mines, Inc.
Box 1955
Monahans, Texas 79756

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Dear Mr. Cox:

Thank you for your letter of May 21, 1967, requesting blank copies of MME Form 52 and transmitting a signed copy of a Quit Claim Deed to Joe G. Cox, dated March 20, 1967.

Enclosed are two sets of Lien and Subordination Agreements, one set for the 1/20th interest held by Mr. A. D. Whitten, and the other for the 50 percent of a 19/20th interest now owned by Mr. Cox. These documents may be returned at the same time you send the additional technical information requested in our letter of February 28, 1967.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

Copy to: Equity Mines, Inc.
P. O. Box 222
Creede, Colorado 81130

cc: Director's Reading File
Division File
Economic Geol. File
OME Docket
OME Reading File
OME Region III w/cy Mr. Cox's letr.
Mr. Smith

RMSmith/gla 5-25-67

23263

EQUITY MINES, INC.
Box 222
Creede, Colorado 81130
May 21, 1967

Mr. Frank E. Johnson
Chief, Office of Minerals Exploration
U. S. Geological Survey
U. S. Dept. of the Interior
Washington, D. C. 20242

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colo.

Dear Sir;

Enclosed are copies of quit claim deeds from outstanding interests in above property, executed in favor of the undersigned. The originals of these deeds are being recorded at the Mineral County courthouse in Creede, Colorado. The balance of the property is already owned by Equity Mines, Inc.

If you will please forward the necessary MME Form 52 in number you may require to the undersigned at home address shown, these will be signed and returned promptly to you. The Government will then have a lien on all interests in the land. L&S

We are now sampling along the fault lines above and east of our portal. We will send you the determinations shortly for your review.

Yours very truly,

Joe G. Cox
Vice-President

home address:

Joe G. Cox
Box 1955
Monahans, Texas 79756

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 24 1967
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EQUITY MINES, INC.
Box 222
Creede, Colorado
March 18, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 21 1967
INITIALS | CODE
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JJ ~~110~~
RMA 120


Mr. Frank E. Johnson
Chief, Office of Minerals Exploration
U. S. Geological Survey
U. S. Dept. of the Interior
Washington, D. C. 20242

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colo.

Dear Sir;

Thank you for your informative letter of February 28th. We are now proceeding toward purchase of the outstanding interests in this property.

As there is presently several feet of snow on the surface above our holdings, it will probably be a month or two before we can do geochemical sampling and assay work along the veins' surface. As soon as this is accomplished, we will key the data to a map and forward for your review.

We thank you for your encouragement on this matter.

Copy to R-III 3/21/67 m

Yours very truly,

Joe G. Cox
Joe G. Cox
Vice-Pres.

MME Form 7
(2/63)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 2/28 | R M Smith | |
| 2/28/60 | Kirkemo | |
| | | 120 M |
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FEB 28 1967

AIRMAIL

Equity Mines, Inc.
P. O. Box 222
Creede, Colorado 81130

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Gentlemen:

Thank you for your letter of February 18, 1967, furnishing additional information to supplement the referenced application, and requesting clarification of our regulations concerning ownership.

An operator under an OME contract need not own the land, but he must have operating control (as owner, lessee, or otherwise) for a term at least sufficient to complete the exploration work. The Government, however, must have a lien on all interests in the land. The operator's interest is secured by the terms of the contract, but any other interests require either Lien and Subordination Agreements signed by the owners of the interests, or if these cannot be obtained, a performance bond on Standard Form 25 (copy enclosed) by the operator. You state in your letter that you would be willing to furnish the bond, but might prefer to purchase the remaining interests. Either alternative would be acceptable to the Government. The bond would be required at the time an OME contract is signed, if one is approved.

The OME does not participate in prospecting work, such as the initial sampling or geologic mapping, to provide evidence that there is a definite geologic target to explore which might result in a significant discovery. You should furnish evidence of specific targets to further supplement the application. This evidence should include assays of mineralized structures and a more detailed description of the occurrences such as lengths and widths of the mineralized segments of the vein or outcrops. The geochemical sampling on the adjoining property may or may not be pertinent evidence of specific targets on your property. If it is pertinent, please describe and illustrate with maps or sketches the geological relationship of the sampling to the specific target areas you wish to explore. If you find the misplaced

assays or if you resample the Equity fault and Amethyst vein, please furnish an assay map of the results.

This request for additional information should not be construed as a commitment by 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

Enclosure

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

RMSmith/mm (2/28/67)

EQUITY MINES, INC.
Box 222
Creede, Colorado
February 18, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
FEB 23 1967
INITIALS

Mr. Frank E. Johnson
Chief, Office of Minerals Exploration
Geological Survey
U. S. Dept. of the Interior
Washington, 25, D. C.

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colo.

Dear Sir:

Please refer to your letter of November 29, 1966:

1. Financial Eligibility: Please remove from consideration all equipment listed as a basis of financing our share of the costs. We feel as though we can furnish our share (1/4) through individual stockholders' borrowing from financial institutions and contributing to the Corporation, or sale of stock in the Corporation. We will have money available to operate for the period of time it takes to start receiving Government reimbursement.

2. Applicant's Rights in Land:

(a) We have made a thorough search of the Courthouse records of Mineral County. Although the Equity MS 19355 B was surveyed for patent, it was never recorded or patented, and no such claim exists today. We believe the portal to lie just within Equity No. 4 19443, but as you can see from the map, this area is well covered by our non-patent claims Leen and Jon. Copy of corrected claim map submitted as Exhibit 'A'. Corrected claim locations are marked with red pencil. Please make these corrections to maps in your hands. (Claim A is an over-lapping claim).

(b) We submit as Exhibit 'B' a portion of the map of Mineral County prepared in February 1950 by Paul B. Davis, County Surveyor. It appears to us that all claims lie within T. 43 N.

(c) We are considering purchase of either the Whitten part (1/20 share), or the entire ownership of the patent claims. If we buy only the Whitten share, Equity Mines, Inc. would be the owner of 21/40 share of the patent claims, or majority owner. Our question to you is --- would this majority ownership be sufficient, or would you require complete ownership by our corporation in order to enter into contract --- as in our application? At present we could furnish bond, but might prefer purchase instead.

L + S required on Bond

3. Physical Description:

We have taken soil samples along the Equity Fault and at its intersection with the Amethyst, and trace of silver was noted. We have misplaced these assays. Due to the amount of snow above our claims, we find it presently impossible to physically take new samples. We have not yet entered the old upper tunnel for assaying.

Two summers ago our neighbors to the south had Mercury (Hg) content run on surface samples from 2 lines, one approx. 100 feet and the other approx. 1500 feet south of our south boundary. Samples were taken at 50' intervals, and attached as Exhibit 'C' are their results-- also shown to scale as yellow lines on map Exhibit 'A'.

We would like to move along with the project as soon as possible. Do you feel it is mandatory for us to secure detailed surface tests? It should be apparent from data submitted that we are in an ore bearing area along these faults. If you must have surface assays, it will probably be about April or May before snow melts enough to allow us to get on top to secure them.

5. We would prefer to run the 3200' drift as requested for several reasons:

(a) We have placed new rail and air line from the portal to the end of our existing tunnel. We could commence drifting here immediately, along the apparent fault line.

(b) To open a new portal, at any level would necessitate working through a minimum of 75 feet of loose material before encountering solid, stable rock. This would be expensive and would serve no purpose.

(c) A good, stabilized working area is at the existing portal. A good county-maintained road leads to it. There is no road presently to the east end of our claims in Deerhorn Creek (see map Exhibit 'A').

In short, we feel the least expensive method would be as outlined in our request. And of course you realize the additional depth would benefit us in the future, should removal of ore for market become a reality.

We do not think a drilling project feasible in this location. The terrain is irregular, and we do not believe core drilling results would be conclusive enough to justify their expense.

Yours very truly,

Joe G. Cox, Vice President

cc: J. Wm. Hasler
Denver, Colo.

MME Form 7
(2/63)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 2/2 | RMSmith | |
| 2/2/67 | Kirkham | |
| 2/2 | cal | 120m |
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FEB 3 1967

Equity Mines, Inc.
P. O. Box 222
Creede, Colorado

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Gentlemen:

On November 29, 1966, we wrote you outlining certain information which was necessary to continue the processing of your application. To date, we have not had a reply to our letter. Will you please inform us of your plans regarding the application. If you have decided not to pursue it further, will you please so inform us.

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

MMerrithew/mm (2/2/67)

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

| Date | Surname | Code |
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| 11/29 | RM Smith | 120 8 |
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AIRMAIL

NOV 29 1966

Equity Mines, Inc.
P. O. Box 222
Creede, Colorado

Re: OME-6582 (Silver)
Equity Mines, Inc.
Equity Mine
Mineral County, Colorado

Gentlemen:

Applicant's reply:

Preliminary review of your application for financial assistance in exploring the Equity mine indicates that additional information is needed on Items 1, 2, 3, and 5 as requested in the application form.

1. Financial Eligibility: In answer to part (c) you propose to furnish your share of the costs largely through equipment. Under Item 7(d) you have included the full value (Present Fair Market Value) of operating equipment to be provided by Equity Mines, Inc. This full value is not an allowable cost in an OME contract. The Government allows depreciation on Applicant-owned equipment to the extent of 1/60th of its fair market value or its book value, whichever is less, for each month the equipment is actually used. Also, 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 the Corporation plans to finance its share of the costs.

out

2. Applicant's Rights in Land:

(a) The map accompanying the application indicates that the portal of the Equity tunnel is on the Equity patented claim, but the legal documents do not specify the owner. Please furnish a true copy of the document under which you control the Equity MS 19355 B claim. In addition, please submit another copy of the claim map

surveyed but not patented

area covered by unpat. claims Loon 4 con

23263

showing the following corrections:

Claim A - not illustrated
" A.L.T. - two claims by this name
" A.L.T. No. 2 - not illustrated
" C.D.T. - two claims by this name
" C.D.T. No. 2 - not illustrated

(b) The legal descriptions of the claims in the Deed, Leases, and Supplemental Agreement all indicate that the claims are in Township 42 North, NMPM, whereas the 500-scale property map indicates they are in secs. 34-35, T. 43 N., and the USGS topographic maps indicate they are in T. 44 N. (unsurveyed). Please clarify these discrepancies. All in T. 43 N

(c) In your letter of October 29, 1966, to Mr. J. William Hasler you indicate that the owners of the majority interest in the patented claims are unwilling to sign Lien and Subordination Agreements. We regret that your proposal in lieu of these Agreements to keep up the royalty payments and to exercise the purchase option in case ore is discovered is not acceptable. If Lien and Subordination Agreements cannot be obtained from each owner (except the Applicant, Equity Mines, Inc.) of an interest in the land, then in the event of a contract we would require a Performance Bond in the amount of the Government's share of the estimated costs of the work. Please inform us whether Equity Mines, Inc. would be willing to furnish such a bond. yes Answer requested

3. Physical Description:

(f) Reasons for expecting to find ore include analyses of soil samples taken along the Equity fault and at its intersection with the east strand of the Amethyst fault. Assay certificates were not included in the application. In addition to the certificates you should furnish a map that shows the location of the samples in order to substantiate that there are exploration targets along the fault or at the intersection. Assays from the old upper tunnel would also be helpful in this respect. misplaced not yet rec'd

Geochem. for 4q 100'-1500' s. of property show very slight anomalies over veins

5. Exploration Work:

(a) The proposed 3200-foot drift along the Equity fault would intersect the Amethyst fault 800 feet or more below the land surface. While we appreciate the advantages of utilizing the Equity lower tunnel, we know of no reason why 800 feet of depth would be more favorable for ore than 100 feet; and we wonder whether shallower and

Do not drill another hole

less costly exploration is practical. Your views on the feasibility of a drilling project are requested. — Results would not be conclusive.

Orig. proposal leasing

This request for additional information should not be construed as a commitment by 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 Reading File
Docket
Region III
Smith

RMSmith/mm (11/29/66)

November 15, 1966

Mr. Les Turnipseed
Equity Mines, Inc.
Creede, Colorado

Subject: OME-6582

Dear Mr. Turnipseed:

Your application for exploration assistance, dated October 1, 1966, submitted to our office at Denver, Colorado, has been assigned Docket No. OME-6582.

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

Office of Minerals Exploration

November 1, 1966

Memorandum

To: Tom Steven

From: Bill Hasler

Subject: Request for a review of OME application by the Equity Mines, Inc., Creede, Colorado to explore for silver at the Equity Mine, Mineral County, Colorado

Les Turnipseed's application is essentially complete and ready to be transmitted to Washington for further processing.

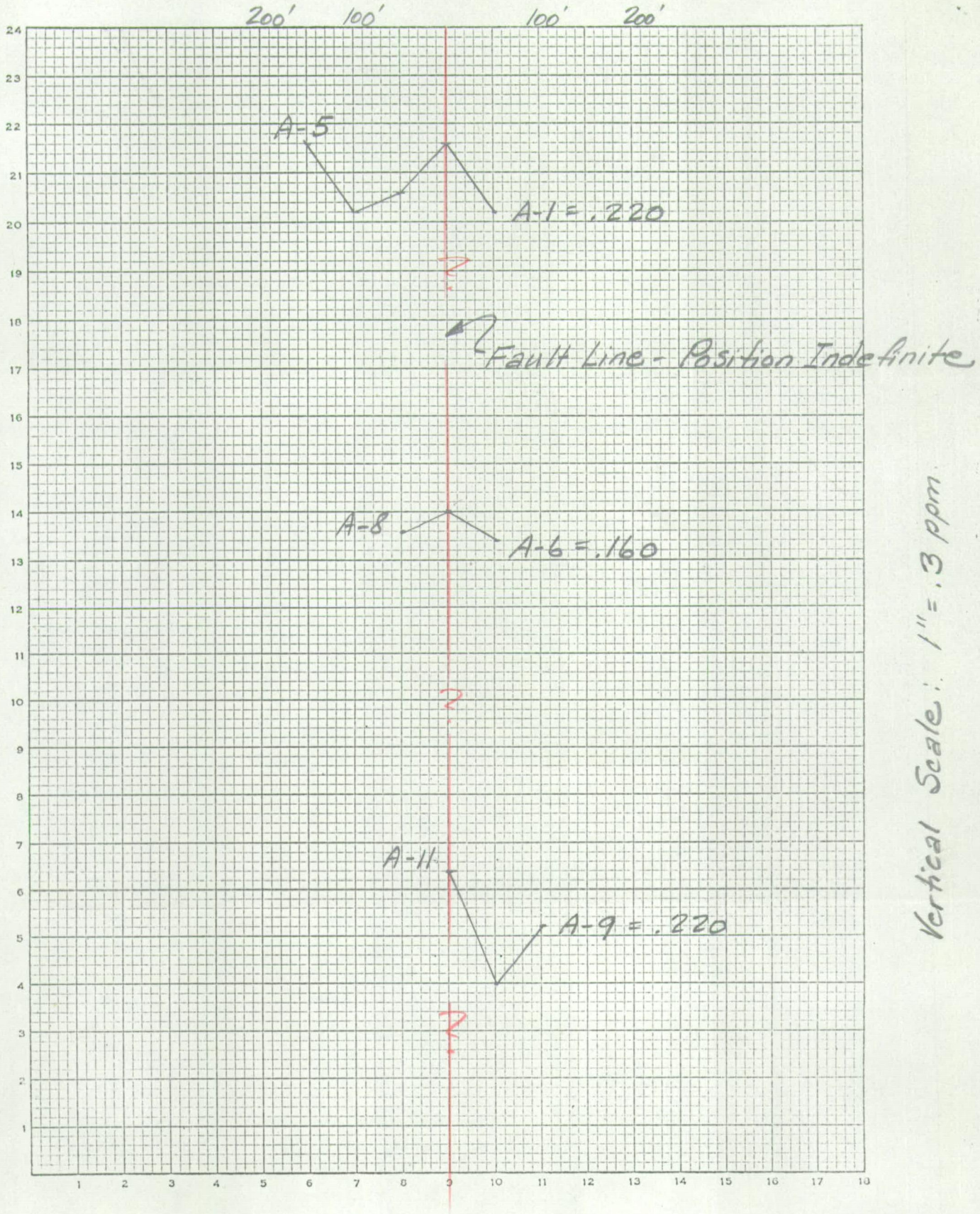
I would like your comments and suggestions concerning the proposed exploratory work, and the possibilities of finding new and undiscovered reserves of silver as a result of the proposed program. Do you think that some crosscutting to related and/or adjoining structures would be advisable?

Your review and comments will be greatly appreciated.

J. William Hasler

J. W. Hasler,
Field Officer, Region III
Office of Minerals Exploration

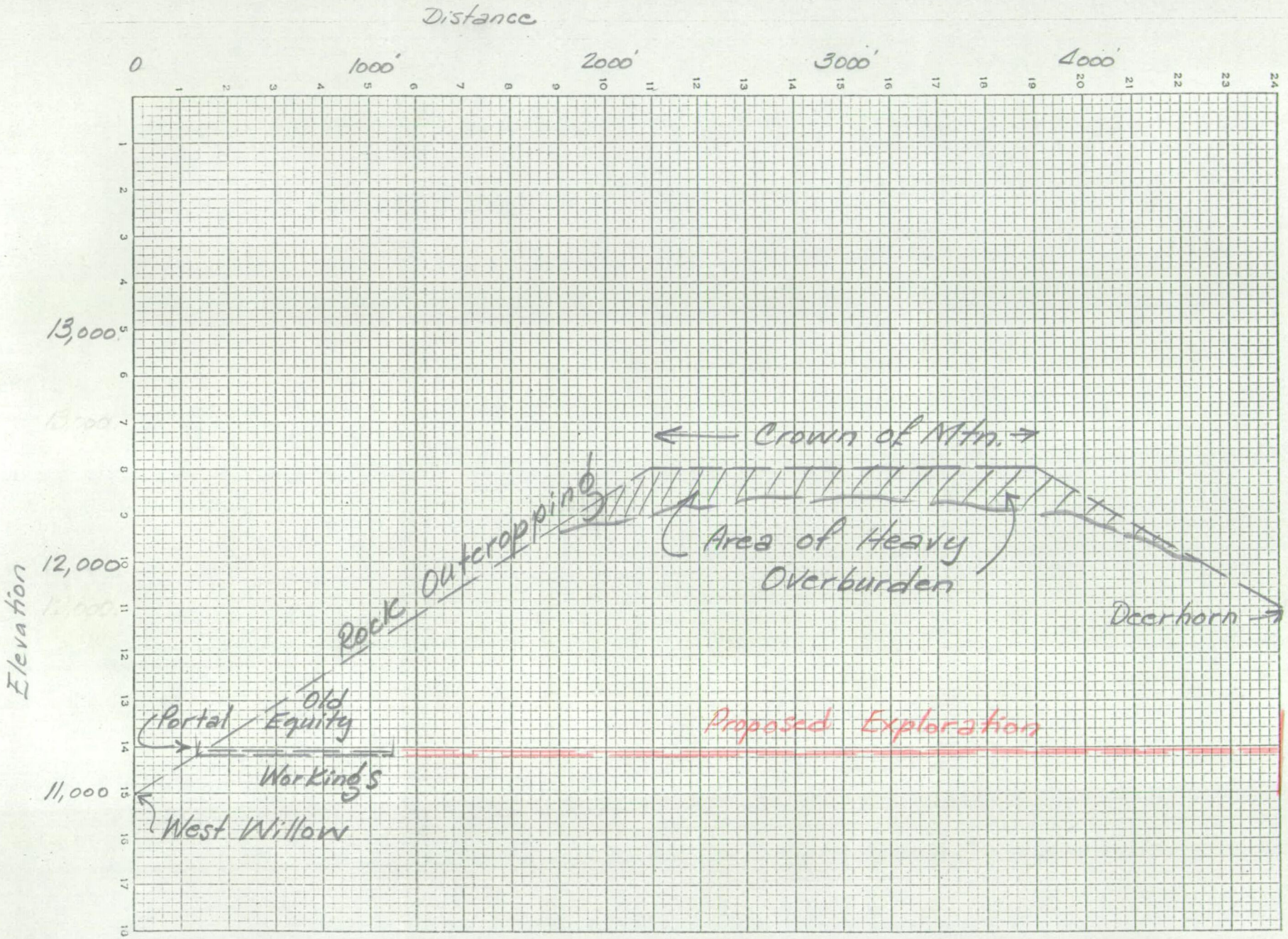
cc: Chief, OME
Equity Mines application
OME chron
Hasler chron



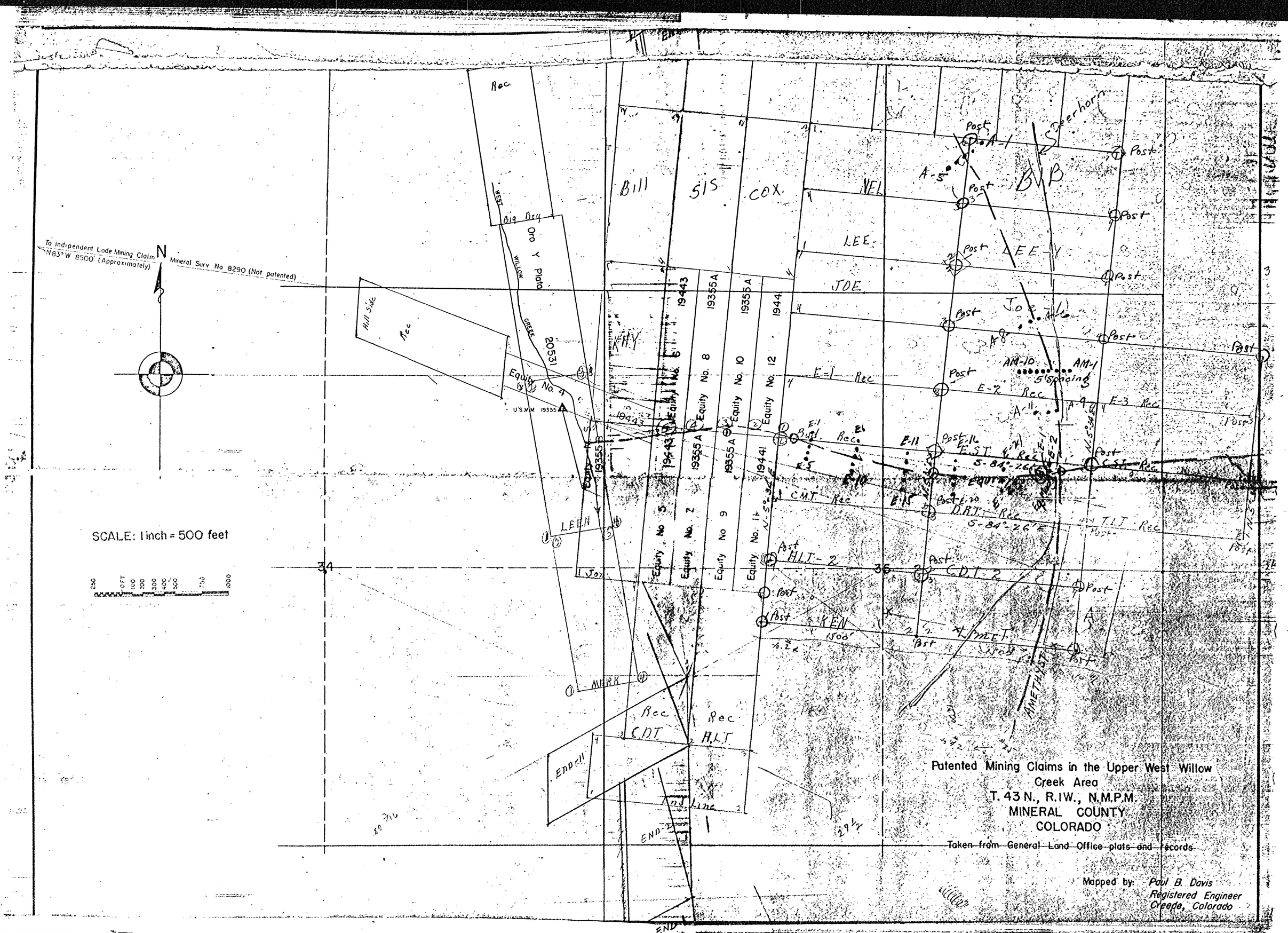

Results - Surface Geochem. Sampling

Amethyst Fault

See ltr. dtd. July 1-1967




Rough Sketch
Surface Profile Along Equity Fault.



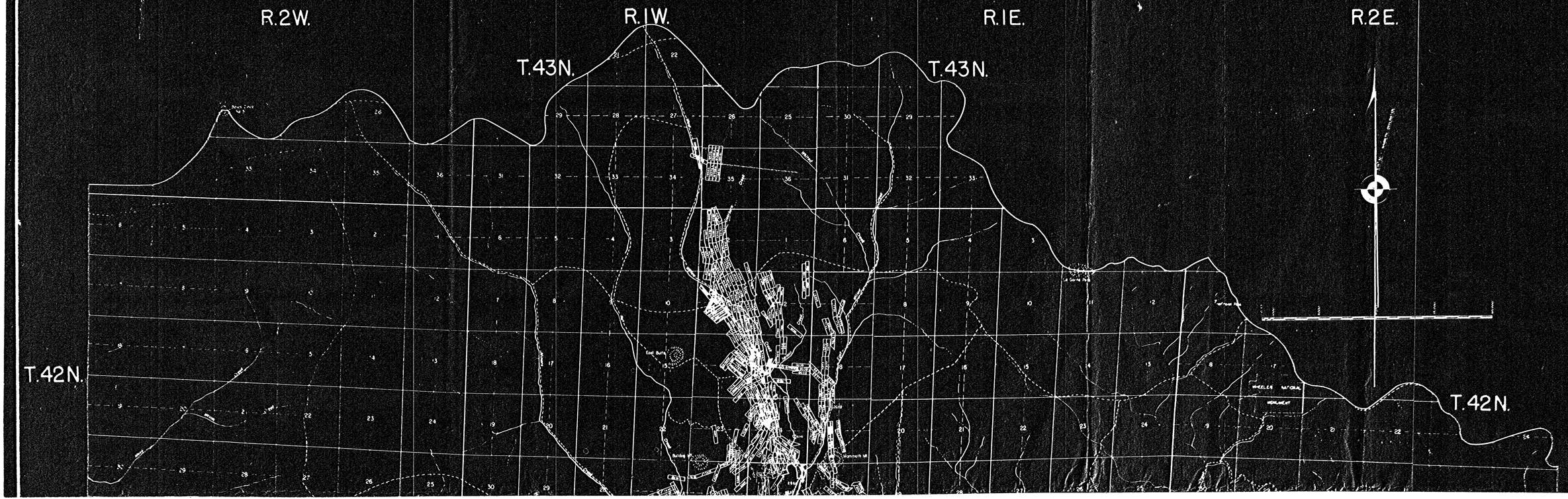

Patented Mining Claims in the Upper West Willow Creek Area
T. 43 N., R. 1 W., N.M.P.M.
MINERAL COUNTY
COLORADO

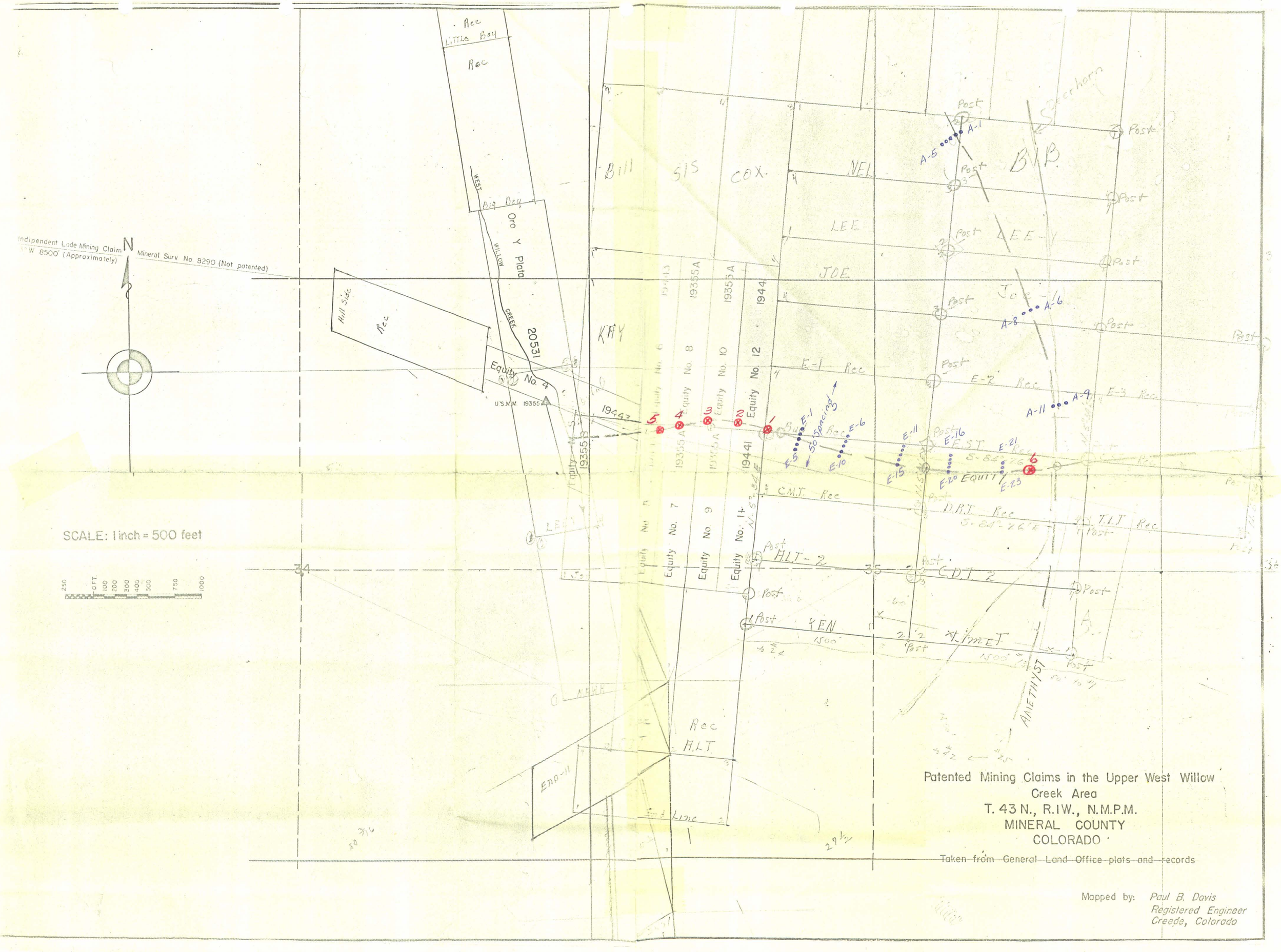
Taken from General Land Office plats and records

Mapped by: *Paul B. Davis*
*Registered Engineer*
*Creede, Colorado*

Adit Level
2nd Level
3rd Level
STATION
1252 TONS SHIPPED
SMELTER RETURN $22.63/TON
1543 TONS SHIPPED
SMELTER RETURN $28.24/TON
2053 TONS SHIPPED
INTERNAL SILVER
342 OUNCES GOLD
$19.03/TON @ $14.00
Composite Block #1
Composite Block #2
Composite Block #3
Composite Block #4
Composite Block #5
Composite Block #6
90000 TONS
10000 TONS
3000 TONS
ESTIMATE OF ORE BELOW
ORE LEVEL
AV 22.0 AV 4800 WIDTH 7.04'
T.N. 8800 TONS 6880 (NET)

# MAP OF MINERAL COUNTY COLORADO



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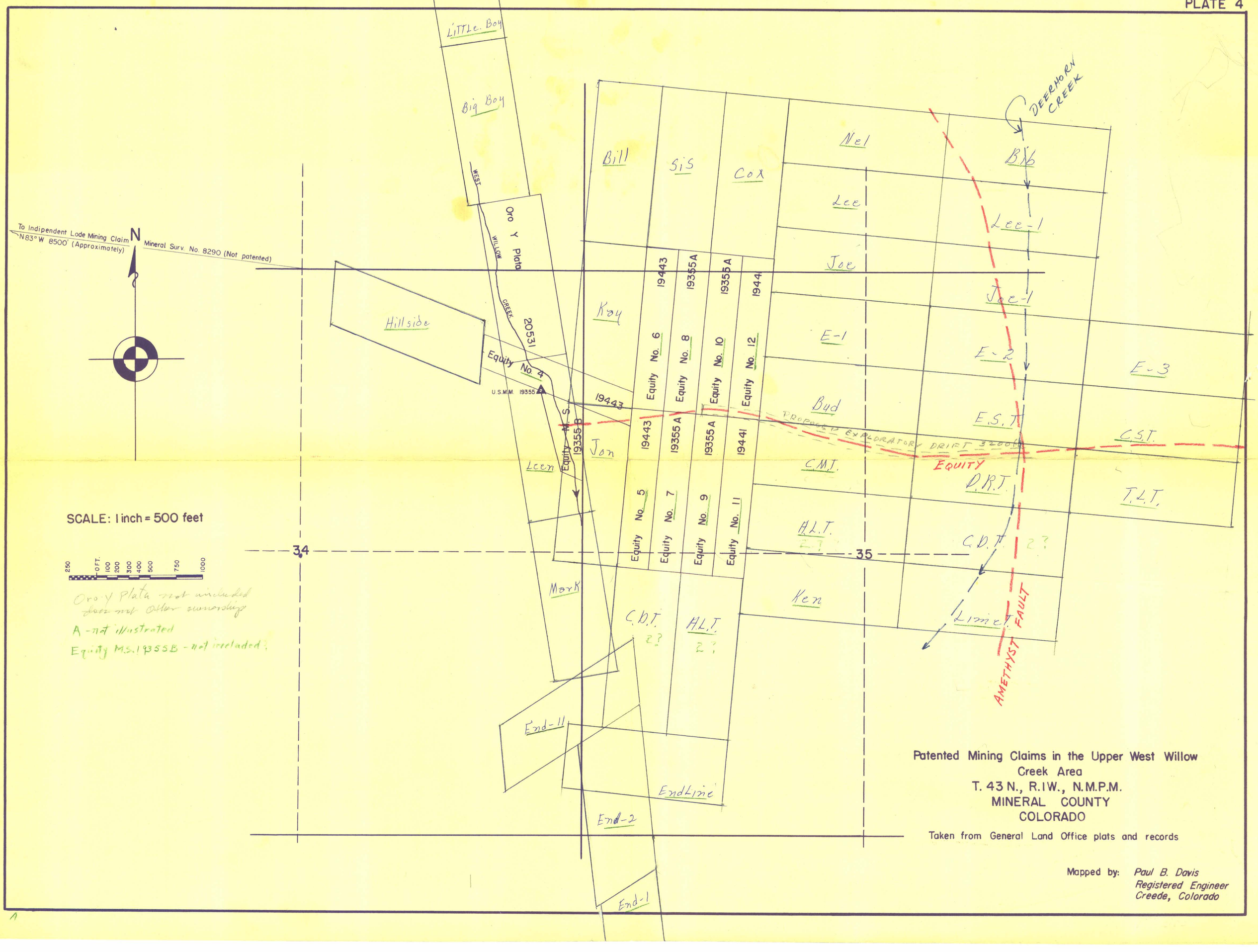


**Patented Mining Claims in the Upper West Willow Creek Area**
**T. 43 N., R. 1 W., N.M.P.M.**
**MINERAL COUNTY**
**COLORADO**

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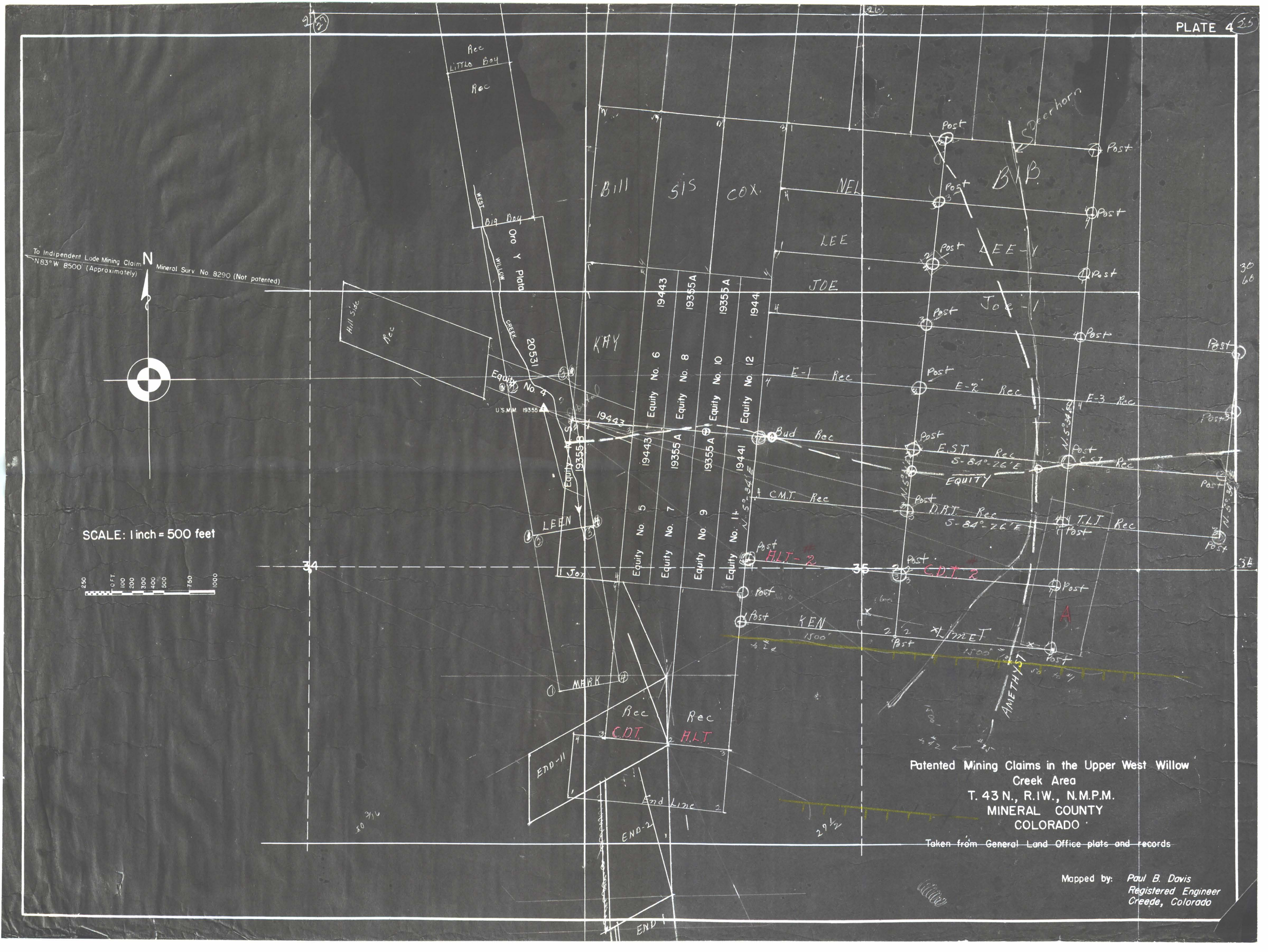
*Creede, Colorado*




Patented Mining Claims in the Upper West Willow Creek Area
T. 43 N., R. 1 W., N.M.P.M.
MINERAL COUNTY
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*Registered Engineer*
*Creede, Colorado*