



CONTACT INFORMATION
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The following file is part of the Walter E. Heinrichs, Jr. Mining Collection

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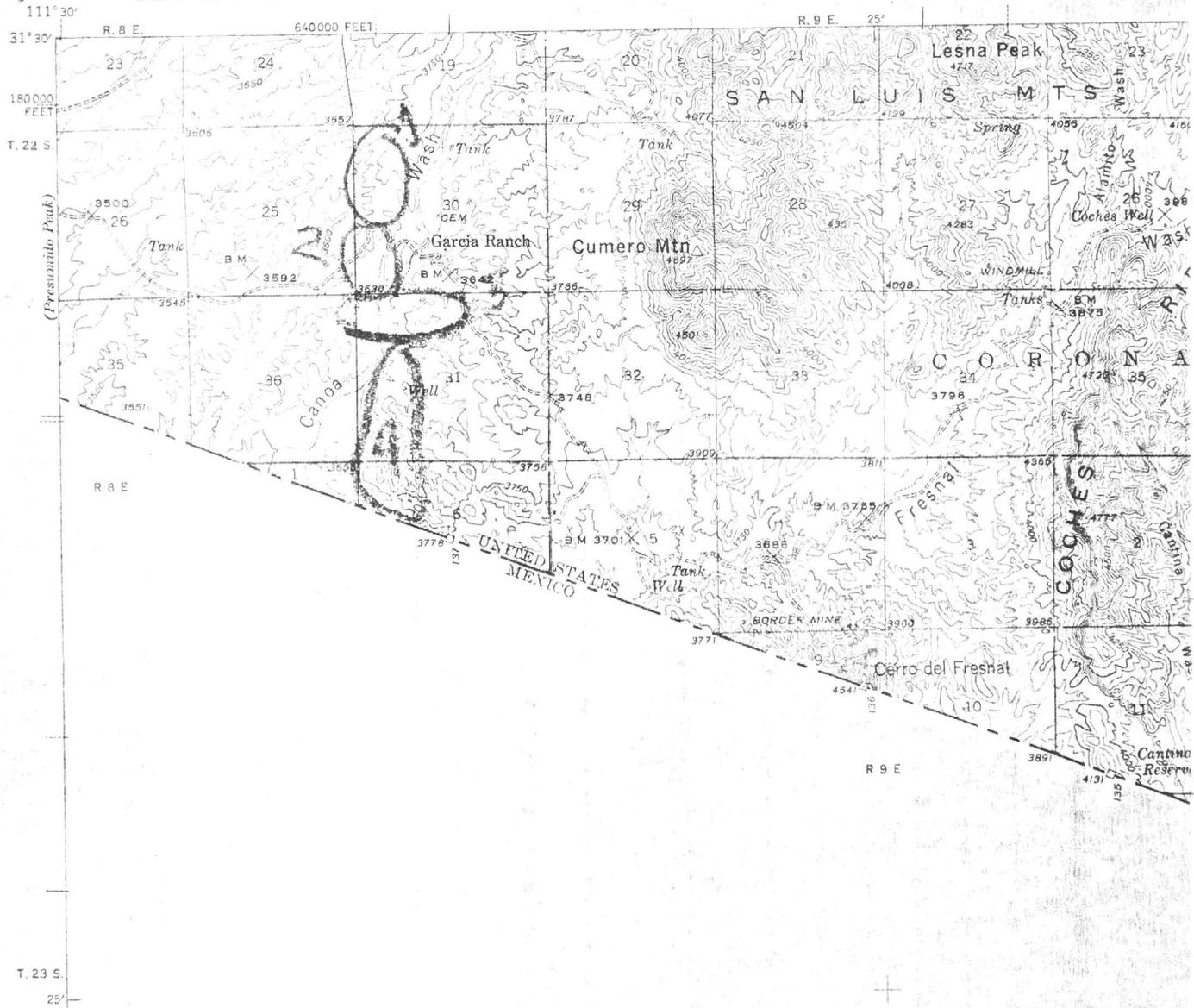
QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

Oro Blanco Quad

(Presumido Peak)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



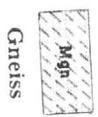
Schist
metasediments
& volcanics



Gneiss
Derived from igneous and sedimentary rocks ranging from Precambrian through Cretaceous in age.



Schist
metasediments
& volcanics



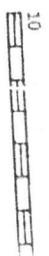
Map showing sources of geologic data.

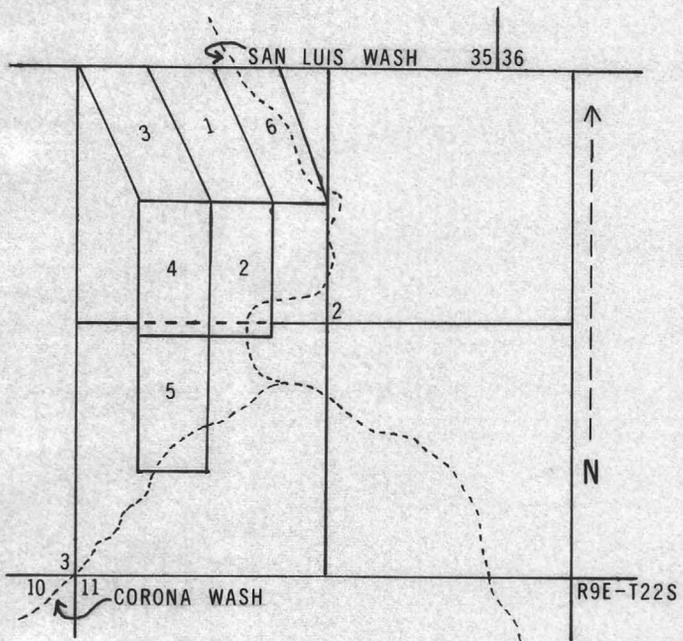


1. Baker, R.C., Univ. of Mich.
2. Brown, W.H., Univ. of Ariz.
3. Bryant, D.L., Univ. of Ariz.
4. Cooper, J.R., U.S. Geol. Survey
5. Cosner, O.J., Armstrong, C.A., and Page, H.G., U.S. Geol. Survey
6. Cosner, O.J., and Page, H.G., U.S. Geol. Survey
7. Creasey, S.C., U.S. Geol. Survey
8. Fair, C. and Kurtz, W.I., Univ. of Ariz.
9. Gilluly, J., U.S. Geol. Survey
10. Heindel, L.A., U.S. Geol. Survey
11. Jones, W. R., Bowles, G., and Hedlund, D., U.S. Geol. Survey
12. McClymonds, N.E., and Ruff, A., Univ. of Ariz.
13. Moore, R.T., Ariz. Bur. of Mines
14. Moran, W.R., Union Oil Co. of Calif.
15. Page, H.G., Ellis, J.M., and Heindel, L.A., U.S. Geol. Survey
16. Richard, K. and Courtright, J.H., Am. Smelting and Ref. Co.
17. Tolman, C.F., Moore, B.N., Butler, B.S., and Hennon, R.M., U.S. Geol. Survey
18. Tyrell, W.W., Yale Univ.
19. Wargo, J.G. and Kurtz, W.I., Univ. of Ariz.

PIMA ANI

ARIZ UN





MILLERS FALLS
 CHICK SEAN
 BOTTOM COMMENT

PRELIMINARY RECOMMENDATION EXAMINATION

Mining Equipment on Property: None

Date: 1/21/71

Mill Equipment on Property: None

By: [illegible]

Misc. Equipment on Property: None

By: [illegible]

Camp Facilities: None

Ore Reserve Estimates:

Recommendations and Conclusions:

Contact mineralization within these claims appears to be too sparse to warrant our attention. However, this may be due to the unfavorable host rocks rather than lack of mineralizing fluids. The profusion of small workings in the immediate vicinity and the occurrence of regional porphyry copper deposits indicate copper potential on a regional level.

An extensive, large scale program would have to be implemented to properly investigate this potential.

References: (Bibliography, Maps, Former Workers or Engineers)

File B178-67

Arivaca Quadrangle

Geologic Map of Pima and Santa Cruz Counties.

Production Data: (Past, present and possible future)

Sampling and Analysis: (By whom--Results)

Witness my hand and Official Seal.

ANNA SULLINGER
County Recorder

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		<i>JS</i>

FORM 4-13

By *Thompson Buchanan*
Deputy

Fee: 2.00

Castañeda

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Silencio #3 Mining Claim was located by Willie Castañeda and Carl W. Hartman on this 1st day of September, 1967, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is Northwesterly by Southeasterly and is situated in the Arivaca Mining District 1st Pima County, Arizona, about 4 miles southwest of Arivaca and 3 miles northwest of the Jarillas Ranch and is bounded on the east side by the west side line of the Silencio #1 and said claim is located in Sec. 2, T22 S., R9 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 300 feet in a Southeasterly direction to the South center end monument, or stake, and 1200 feet in a Northwesterly direction from the aforesaid monument, or stake, to the North center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

Carl W. Hartman
Willie Castañeda

Locator.

How to fill out a location notice:



NOTICE OF LOCATION

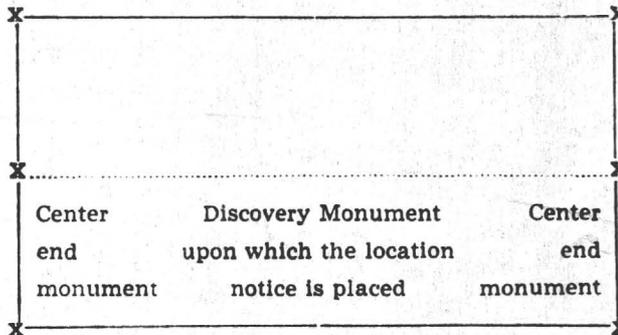


Notice is hereby given that the...COPPER KING... Mining Claim was located by...JOHN DOE AND RICHARD ROE... on this the...11th... day of...June... 1946, for mining purposes. Said claim is 1500 feet in length along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center of said vein or deposit from end to end of claim. The general course of this claim is...NORTH AND SOUTH and it is situated in the...WRIGHTON... mining district ...SANTA CRUZ... County, Arizona, about ...TWO MILES... SOUTHEAST FROM ROCK PEAK... This claim runs from the discovery monument or stake, upon which the notice is posted...750... feet in a SOUTHERLY... direction to the ...SOUTHERLY... center end monument, or stake, and ...750... feet in a ...NORTHERLY... direction from the aforesaid location monument, or stake, to the ...NORTHERLY... center end monument, or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making claim in the form of a parallelogram.

JOHN DOE,
RICHARD ROE,
Locators.

TUCSON BLUE PRINT CO.

How to fill out a location notice:



Stone monuments must be three feet high. Stakes must be four feet above ground and substantial, no thickness is specified.

You can record as soon as you locate if you desire to, and do your location work at any time within 90 days from date of location.

228 2. Fee

STATE OF ARIZONA }
COUNTY OF PIMA } ss.

I hereby certify that the within instrument was filed for record in Pima County, State of Arizona

59478
Book 3070 Page 376
1967 SEP 1 PM 12 05
Date:
Request of: Willie Castañeda

Witness my hand and Official Seal.

ANNA SULLINGER,
County Recorder

Indexed	Paged	Blotted
		Am

By Harold Buchanan
Deputy Fee: 200

FORM 4-13

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Silencio #5 Mining Claim was located by Carl W. Hartman and Willie Castañeda on this 1st day of September, 1967, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is Northerly by Southerly and is situated in the Arivaca Mining District in Pima County, Arizona, about 4 miles southwest of Arivaca and 3 miles northwest of the Jarillas Ranch and the north end line is bounded by the south end line of the Silencio #4 and said claim is located in Sec. 2, T22S, R9E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 300 feet in a Northerly direction to the North center end monument, or stake, and 1200 feet in a Southerly direction from the aforesaid monument, or stake, to the South center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

Carl W. Hartman
Willie Castañeda
Locator.

How to fill out a location notice:



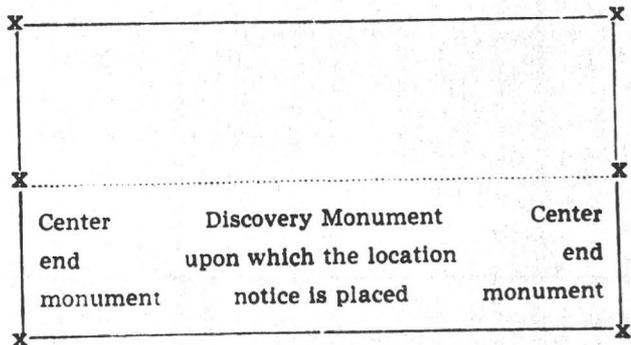
NOTICE OF LOCATION



Notice is hereby given that the...COPPER KING... Mining Claim was located by...JOHN DOE AND RICHARD ROE...on this the...11th...day of...June... 1946, for mining purposes. Said claim is 1500 feet in length along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center of said vein or deposit from end to end of claim. The general course of this claim is...NORTH AND SOUTH and it is situated in the...WRIGHTON...mining district...SANTA CRUZ... County, Arizona, about...TWO MILES...SOUTHEAST FROM ROCK PEAK... This claim runs from the discovery monument or stake, upon which the notice is posted...750...feet in a SOUTHERLY... direction to the...SOUTHERLY... center end monument, or stake, and...750... feet in a NORTHERLY... direction from the aforesaid location monument, or stake, to the...NORTHERLY... center end monument, or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making claim in the form of a parallelogram.

JOHN DOE,
RICHARD ROE,
Locators.

How to fill out a location notice:



Stone monuments must be three feet high. Stakes must be four feet above ground and substantial, no thickness is specified.

You can record as soon as you locate if you desire to, and do your location work at any time within 90 days from date of location.

TUCSON BLUE PRINT CO.

Witness my hand and Official Seal.

I hereby certify that the within instrument was filed for record in Pima County, State of Arizona

ANNA SULLINGER,
County Recorder

No. 59479
Book 3070 Page 377
Date: 1967 SEP 1 PM 12 05
Request of Willie Castañeda

Indexed	Paged	Blotted
		<i>AM</i>

FORM 4-13

By *Harold Buckner*
Deputy

Fee: 2.00

228 E Lee

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the *Silencio #6* Mining Claim was located by *Carl W. Hartman and Willie Castañeda* on this *1st* day of *September*, 19*67*, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is *Northwesterly by southeasterly* and is situated in the *Arivaca* Mining District *in*

Pima County, Arizona, about *4 miles in a southwesterly direction from Arivaca and 3 miles north west of the Jarillas Ranch and said claim is bounded on the west side by the east boundary line of Silencio #1 and said claim is located in Sec. 2,*

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc. *T 22 S, R 9 E*)

This claim runs from the discovery monument, or stake on which the notice is posted, *300* feet in a *Southeasterly* direction to the *South* center end monument, or stake, and *1200* feet in a *Northwesterly* direction from the aforesaid monument, or stake, to the *North* center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

Carl W. Hartman
Willie Castañeda

Locator.

How to fill out a location notice:

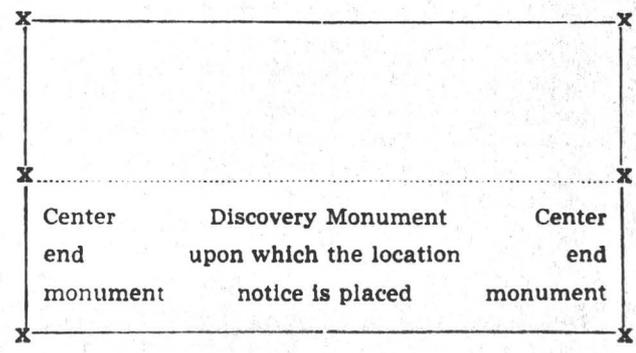
NOTICE OF LOCATION

Notice is hereby given that the...*COPPER KING*... Mining Claim was located by...*JOHN DOE AND RICHARD ROE*...on this the...*11th*...day of...*June*... 1946, for mining purposes. Said claim is 1500 feet in length along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center of said vein or deposit from end to end of claim. The general course of this claim is...*NORTH AND SOUTH* and it is situated in the...*WRIGHTON*...mining district...*SANTA CRUZ*... County, Arizona, about...*TWO MILES...SOUTHEAST FROM ROCK PEAK*... This claim runs from the discovery monument or stake, upon which the notice is posted...*750*...feet in a *SOUTHERLY*... direction to the...*SOUTHERLY*... center end monument, or stake, and...*750*... feet in a... *NORTHERLY*... direction from the aforesaid location monument, or stake, to the...*NORTHERLY*... center end monument, or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making claim in the form of a parallelogram.

JOHN DOE,
RICHARD ROE,
Locators.

TUCSON BLUE PRINT CO.

How to fill out a location notice:



Stone monuments must be three feet high. Stakes must be four feet above ground and substantial, no thickness is specified.

You can record as soon as you locate if you desire to, and do your location work at any time within 90 days from date of location.

Witness my hand and Official Seal.

ANNA SULLINGER,
County Recorder

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		Am

FORM 4-13

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Silencio #4 Mining Claim was located by Willie Castañeda and Carl W. Hartman on this 1st day of September, 1967, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is Northerly by Southerly and is situated in the Arivaca Mining District in Pima County, Arizona, about 4 miles southwest of Arivaca and 3 miles northwest of the Jarillas Ranch and is bounded on the north end by the south end line of Silencio #3 and is bounded on the east side by the west side line of Silencio #2 and said claim is located in Sec. 2, T22S, R9E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 300 feet in a Southerly direction to the South center end monument, or stake, and 1200 feet in a Northerly direction from the aforesaid monument, or stake, to the North center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

Carl W Hartman
Willie Castañeda
Locator.

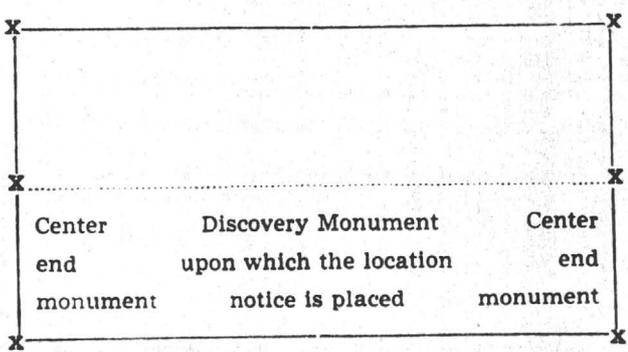
How to fill out a location notice:

NOTICE OF LOCATION

Notice is hereby given that the COPPER KING Mining Claim was located by JOHN DOE AND RICHARD ROE on this the 11th day of June, 1946, for mining purposes. Said claim is 1500 feet in length along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center of said vein or deposit from end to end of claim. The general course of this claim is NORTH AND SOUTH and it is situated in the WRIGHTON mining district SANTA CRUZ County, Arizona, about TWO MILES SOUTHEAST FROM ROCK PEAK. This claim runs from the discovery monument or stake, upon which the notice is posted, 750 feet in a SOUTHERLY direction to the SOUTHERLY center end monument, or stake, and 750 feet in a NORTHERLY direction from the aforesaid location monument, or stake, to the NORTHERLY center end monument, or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making claim in the form of a parallelogram.

JOHN DOE,
RICHARD ROE,
Locators.

How to fill out a location notice:



Stone monuments must be three feet high. Stakes must be four feet above ground and substantial, no thickness is specified.

You can record as soon as you locate if you desire to, and do your location work at any time within 90 days from date of location.

TUCSON BLUE PRINT CO.

Witness my hand and Official Seal.

ANNA SULLINGER,
County Recorder

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<i>[initials]</i>		<i>[initials]</i>

FORM 4-13

By *Beatha Stephens*
Deputy

Fee: 1.00

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Silencio #2 Mining Claim was located by Willie Castañeda, Alejandro Heredia, James Treadwell & Carl W. Hartman on this 21st day of February, 1966, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is Northerly by Southerly and is situated in the Arivaca Mining District in Pima County, Arizona, about 3 miles in a Southwesterly direction from Arivaca and 3 miles northwest of the Jaxillas Ranch and said claim is located in Sec 2, T22S, R9E, and is bounded on the north by the South end line of Silencio #1 claim.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 675 feet in a Northerly direction to the Northerly center end monument, or stake, and 825 feet in a Southerly direction from the aforesaid monument, or stake, to the Southerly center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

James B. Treadwell
Willie Castañeda
Carl W. Hartman
Alejandro Heredia Locator.

How to fill out a location notice:



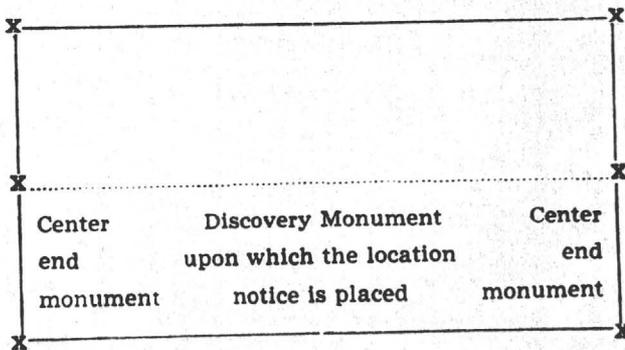
NOTICE OF LOCATION



Notice is hereby given that the...COPPER KING... Mining Claim was located by...JOHN DOE AND RICHARD ROE...on this the...11th...day of...June... 1946, for mining purposes. Said claim is 1500 feet in length along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center of said vein or deposit from end to end of claim. The general course of this claim is...NORTH AND SOUTH and it is situated in the...WRIGHTON...mining district...SANTA CRUZ... County, Arizona, about ...TWO MILES...SOUTHEAST FROM ROCK PEAK... This claim runs from the discovery monument or stake, upon which the notice is posted...750...feet in a SOUTHERLY... direction to the ...SOUTHERLY... center end monument, or stake, and ...750... feet in a ...NORTHERLY... direction from the aforesaid location monument, or stake, to the ...NORTHERLY... center end monument, or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making claim in the form of a parallelogram.

JOHN DOE,
RICHARD ROE,
Locators.

How to fill out a location notice:



Stone monuments must be three feet high. Stakes must be four feet above ground and substantial, no thickness is specified.

You can record as soon as you locate if you desire to, and do your location work at any time within 90 days from date of location.

TUCSON BLUE PRINT CO.

m... 228 B. the ...

STATE OF ARIZONA

COUNTY OF PIMA

Witness my hand and Official Seal.

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FORM 4-13

I hereby certify that the within instrument was filed for record in Pima County, State of Arizona

ANNA SULLINGER, County Recorder

No. 13306

Book 2689

Page 442

Date: 1966 FEB 25 PM 3 21

Request of: Willie Costañeda

By: Bertha Stephens Deputy

Fee: 1.00

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Silencio, #1 Mining Claim was located by Willie Costañeda, Alejandro Heredia, James Treadwell & Carl W. Hartman on this 21st day of February, 1966, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is Northwesterly by Southeasterly, and is situated in the Arivaca Mining District in Pima County, Arizona, about 3 miles in a southwesterly direction from Arivaca and 3 miles northwest of the Jarillas Ranch and said claim is located in the NW 1/4 of Sec. 2, T22S, R9E. The north end line is the North boundary line of Sec. 2, T22S, R9E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 100 feet in a Southeasterly direction to the South center end monument, or stake, and 1400 feet in a Northwesterly direction from the aforesaid monument, or stake, to the North center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

James Treadwell, Willie Costañeda, Alejandro Heredia, Carl W. Hartman Locators.

How to fill out a location notice:



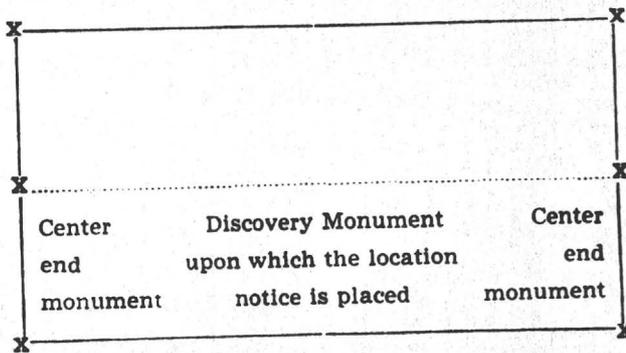
NOTICE OF LOCATION



Notice is hereby given that the COPPER KING Mining Claim was located by JOHN DOE AND RICHARD ROE on this the 11th day of June, 1946, for mining purposes. Said claim is 1500 feet in length along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center of said vein or deposit from end to end of claim. The general course of this claim is NORTH AND SOUTH and it is situated in the WRIGHTON mining district SANTA CRUZ County, Arizona, about TWO MILES SOUTHEAST FROM ROCK PEAK. This claim runs from the discovery monument or stake, upon which the notice is posted, 750 feet in a SOUTHERLY direction to the SOUTHERLY center end monument, or stake, and 750 feet in a NORTHERLY direction from the aforesaid location monument, or stake, to the NORTHERLY center end monument, or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making claim in the form of a parallelogram.

JOHN DOE, RICHARD ROE, Locators.

How to fill out a location notice:



Stone monuments must be three feet high. Stakes must be four feet above ground and substantial, no thickness is specified.

You can record as soon as you locate if you desire to, and do your location work at any time within 90 days from date of location.

TUCSON BLUE PRINT CO.

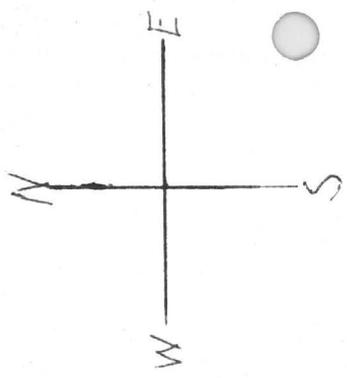
BOOK 2689 PAGE 442

Handwritten notes on the right margin: 'Inad 228 E. See 12'

36

35

34



1

2

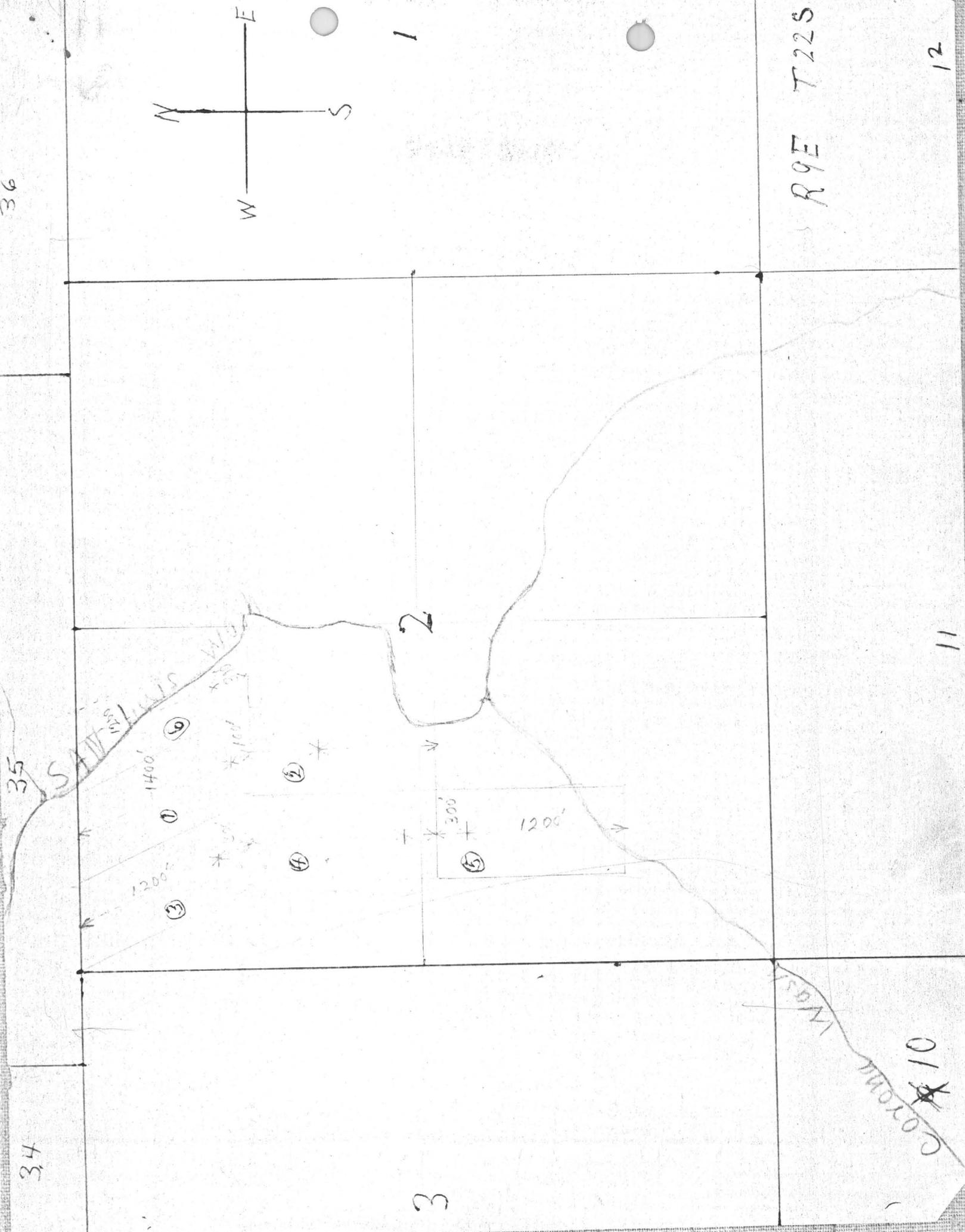
3

R9E T22S

12

11

CORONA
10



September 26, 1967

Mr. Willie Castaneda
228 East Lee
Tucson, Arizona

Dear Mr. Castaneda:

Enclosed are two copies of a rough draft on the Silencio 1 - 6 Claim Group located in the Arivaca Mining District, Pima County, Arizona. Please read this draft very carefully and make any changes you wish or we can discuss at a meeting any desirable changes. All articles are subject to negotiation.

Where we have left blanks, please insert the correct information such as your wife's name, the name, book, and page number of these claims, and so forth. Please return one copy to us with your remarks and keep the other for your reference.

Any questions you may have, we would be glad to answer.

Very truly yours,

HEINRICHS GEOEXPLORATION CO.

E. Grover Heinrichs
Vice President

EGH:pm
cc to: Mr. Carl W. Hartman
320 West President
Tucson, Arizona

DRAFT

MINERAL LEASE AND OPTION AGREEMENT

I.

This MINERAL LEASE AND OPTION AGREEMENT is made by and between HEINRICHS GEOEXPLORATION COMPANY, a corporation, of Tucson, Arizona (hereinafter designated as Lessee), and WILLIE CASTANEDA and _____, his wife, and CARL W. HARTMAN and _____, his wife, all of Tucson, Arizona, (hereinafter collectively designated as Lessors).

II.

Lessors, for and in consideration of One Dollar (\$1.00) and other valuable considerations, the receipt of which is hereby acknowledged, and on the terms and conditions as hereinafter set forth, do hereby grant unto the Lessee the exclusive right to enter and to explore, drill, sample, test, and survey in any manner Lessee deems necessary or desirable, and to mine, remove, and sell minerals from those unpatented mining claims situated in the Arivaca Mining District, Pima County, Arizona, more particularly described in Exhibit A attached hereto and made a part hereof, which claims together with any additional claims which may be now owned or hereafter acquired by Lessors or Lessee under the terms of this agreement within Section 2, T.22S., R.9E., G. & S.R.M., Pima County, Arizona, are all hereinafter collectively referred to as the "Property."

III.

The term of this Agreement shall be for three (3) years from its effective date, unless sooner terminated under any of the provisions herein contained, or renewed, or extended by common agreement of the parties hereto.

IV.

Lessors represent and warrant to Lessee that Lessors own and have the exclusive possession of the claims described in Exhibit A; that the claims are free and clear of all liens and encumbrances and of all claims and rights whatsoever except paramount title of the United States; that the locations of the unpatented lode mining claims described in Exhibit A have been completed in compliance with the laws of the State of Arizona and of the United States of America; that Lessors have performed all work required by law to maintain title to the claims as of the date hereof; and that the Lessors have the full right, power, and capacity to enter into this Agreement upon the terms set forth herein.

V.

During the term of this Agreement, Lessee is granted the right to mine and dispose of any and all ores, minerals or concentrates, owned by Lessee or Lessors, within the area of this Agreement, but shall pay to Lessors, after deduction of expenses of mining and transportation to the smelter or other reduction works, a royalty on all such ores, minerals, or concentrates, of four percent (4%) of the net smelter or mill returns, payments of royalty to Lessors to be made within ten (10) days after settlement received by Lessee. All such amounts or royalty paid to Lessors shall apply on, and be deducted from the purchase price specified in Section X in the event Lessee elects to purchase all or any portion of the claims.

VI.

If the Lessee shall be delayed at any time in keeping or performing any Agreement on its part to be kept or performed according to the terms and provisions thereof by strikes, lockouts, fire, lack of market, unusual delay in transportation, order of the Government or any duly constituted instrumentality thereof, unavoidable casualties, or any causes beyond the control of the Lessee, such delay shall not be deemed a breach of this Agreement or a default on the part of the Lessee constituting a cause for forfeiture; provided that during any such periods the Lessee continues to pay the taxes or perform the assessment requirements as herein stipulated, and the term specified in Section III shall be extended for a period equal to such delay.

VII.

Lessee shall keep accurate accounts showing the amount and character of the work done and the net returns from the sale of production, and such records, as well as the Lessee's operations on the property, shall be open to inspection of Lessors' representatives at all reasonable times. Lessee agrees to furnish Lessors with copies of all factual data obtained by Lessee in the event that this Agreement is terminated prior to final purchase by Lessee. In addition, Lessee agrees to submit to Lessors a report semiannually of work done. All claims located by Lessee during the term hereof within the area of interest as specified in Section XII shall be in the name of Lessors, and all claims staked prior to the date of this Agreement by Lessors within the said area of interest shall be completed by Lessee in the name of the Lessors, and Lessee agrees to perform all of the location work thereon.

VIII.

Lessee agrees to commence work on the claims within thirty (30) days after the execution of this Agreement and thereafter shall diligently prosecute the work. Such work may consist of, but need not be limited to, mining, geophysics, geology, drilling, legal work or any other work, whether performed on or off the claims, that tends to develop and enhance the value of the claims, it being expressly understood and agreed that Lessee, in its sole discretion, shall determine the type, place, and time of performance of work required hereunder. Unless this Agreement is sooner terminated, all work performed shall be done in a workmanlike manner and in accordance with the applicable State and Federal laws. Lessee agrees to avoid and unnecessary damage to fields, forests, fences, water holes, and other existing permanent surface improvements.

IX.

At any time during the term of this Agreement or any renewal or extension thereof, Lessee shall have the exclusive right to purchase all, or any designated portion, of the claims by delivering or mailing to Lessors notice of its election, which notice shall specify which portion of the claims Lessee chooses to purchase. If Lessors elect to purchase all or any portion of the claims, the purchase price to be paid for the claims included within the area selected shall be computed on the basis of Five Thousand Dollars (\$5,000.00) for each full-sized claim measuring 600' x 1500'. With respect to claims or portions of claims selected which are not full-sized claims (including portions of claims which are reduced because of overlap with prior claims), the purchase price of each such claim shall be the portion of Five Thousand Dollars..... (\$5,000.00), which the acreage of the claim bears to the acreage of a full-sized claim of 20.661 acres. The total purchase price so computed shall be reduced by all payments made to Lessors under the provisions of Sections V and X. The resulting amount is hereinafter referred to as the "Net Purchase Price." Lessee shall pay to Lessors the Net Purchase Price in five (5) equal annual installments as follows: the first installment to be deposited with an escrow agent upon exercise of the option to purchase and the remaining four (4) installments to be deposited with an escrow agent to the credit of Lessors at yearly intervals thereafter. Lessors shall be required to pay the cost of all applicable state and federal stamp or deed taxes.

X.

If Lessee, in its sole discretion, deems Lessors' title to any of the claims to be defective or less than warranted in Section IV, Lessee may deliver to Lessors written notice stating its objections to the title and if Lessors are unable or are unwilling to promptly correct the defects in title, Lessee may attempt, with all reasonable dispatch, to perfect the title. In that event, Lessors shall execute all documents and shall take such other actions as are reasonably necessary to assist Lessee in its efforts to correct the defects in title. Costs and expenses of perfecting title including, but without being limited to, the cost of attorney's fees, shall be credited against payment of rentals and/or production royalty. All costs of releasing or satisfying mortgages, liens or encumbrances shall be a credit against payment of rentals and/or production royalty. If title to any of the claims is contested or questioned by any person, corporation, or governmental agency, Lessee, at its own election, may defend or initiate litigation to protect the title before any court or administrative body. If Lessee elects to protect or perfect Lessors' title, customary costs of such defense, including, but not limited to, attorney's fees, shall be a credit against payment of rentals and/or production royalty.

If Lessors' title to any of the claims is defective or less than represented herein, all payments to be made to Lessors hereunder as set forth in Sections V and IX shall be reduced to the same proportion thereof as the undivided interests of Lessors in the said Property hereunder bear to the entire undivided title thereto. Nothing herein contained, and no notice or action which may be taken under this Section X shall limit or prevent Lessee's right to terminate this Agreement at any time in the manner hereinafter provided.

XI.

The term "area of interest," as used in this Agreement, shall be deemed to include all areas within Section 2, T.22S., R.9E., G. & S.R.M., Pima County, Arizona, which do not conflict with mining claims presently or hereinafter owned or acquired by third parties. Lessee shall have the right to amend or relocate in the name of Lessors any of Lessors' unpatented mining claims within the area of interest which Lessee, in its sole discretion, deems advisable to so amend or relocate. Lessee shall not be liable to Lessors for any act (or failure to act) by it or any of its agents in connection with the amendment, relocation, or location of claims within the area of interest as long as such act (or omission) is not made in bad faith.

Upon request by Lessee, Lessors shall apply for a patent to any of the unpatented lode mining claims so

designated by Lessee and shall execute all necessary applications and documents in connection therewith, and shall cooperate fully with Lessee in securing such patents. All expenses incurred or authorized by Lessee in connection with such patent proceedings shall be borne by Lessee. The rights of Lessee under this Agreement shall extend to any of the amended, relocated, or patented mining claims. If, upon execution of this Agreement, Lessors should own or thereafter acquire any lands or mineral rights within the area of interest, or any interest in surface rights, water rights, or other rights which might be useful in connection with the claims, Lessors agree to promptly notify Lessee of such acquisition. Within ninety (90) days after receipt by Lessee of such notice, Lessee shall have the right to select all or any portions of such lands, mineral interests, surface or water or other rights to become subject to this Agreement at no additional cost to Lessee. Such selected interest or rights shall thereafter be considered as part of this Agreement as if fully described therein and shall become subject to all of the terms and conditions thereof.

XII.

Lessee shall indemnify and save harmless Lessors against all claims, demands, liabilities, suits, and judgements whatsoever arising out of property damage to owners of surface rights and personal injury or death of any claims for labor, materials, supplies or other charges arising out of Lessee's operations.

XIII.

This Agreement may be terminated by Lessee upon thirty (30) days' written notice of such termination to Lessors, and Lessee shall have the right to remove any and all machinery, equipment and supplies from the Property provided Lessee shall not be in default as to any of this Agreement.

XIV.

If Lessee shall be in default in making any payment or performing any other obligation herein set forth, it shall lose no rights granted hereunder unless within thirty (30) days from receipt of written notice specifying the default, Lessee shall have failed to undertake to cure such default by the appropriate payment or performance.

XV.

Lessors' exclusive and lawful ownership of the Property, and that same is free and clear and will be kept free and clear of all liens and encumbrances during the term of this

Agreement, is hereby warranted. Annual assessment work, if required, will only be at Lessee's expense when this Agreement is in effect and only if it is in effect during the last six (6) months of the assessment year involved in that work. Lessee agrees to pay all taxes and assessments which may be levied against the Property on account of the production of ore or Lessee's personal property.

XVI.

Lessors agree that Lessee may assign its interest and obligations hereunder to a third party or parties provided that such third party agrees to terms of this mineral and option Agreement.

XVIII.

For the purpose of receiving notices, the parties hereto specify the following mailing addresses:

LESSORS:

Willie Castaneda
228 East Lee
Tucson, Arizona

Carl W. Hartman
320 West President
Tucson, Arizona

LESSEE:

Heinrichs Geoexploration Co.
P. O. Box 5671
Tucson, Arizona

which addresses may be changed by either party upon notice given to the other.

XIX.

One-half of all payments to be made under this Agreement shall be made to or at the direction of Willie Castaneda and one-half of such payments shall be made to or at the direction of Carl W. Hartman, or to their respective heirs, successors, or assigns.

XX.

Each of the parties agree that upon the request of the other party that it join in the execution of a Memorandum of this Agreement to be used for recording purposes, which Memorandum, when executed, either party may cause to be placed of record.

XXI.

The terms of this Agreement shall be binding upon and inure to the benefit of the heirs, administrators, executors, successors, and assigns of the parties hereto.

IN WITNESS WHEREOF, this MINERAL LEASE AND OPTION AGREEMENT has been executed to be effective on and after the _____ day of _____, 1967.

LESSORS

LESSEE

HEINRICHS GEOEXPLORATION
COMPANY

Willie Castaneda

By _____

Castaneda

ATTEST: _____

Carl W. Hartmen

Hartman

STATE OF ARIZONA)
COUNTY OF PIMA) ss.

On this ____ day of _____, 1967, before me, the undersigned notary public, personally appeared _____, and _____, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same for the purpose therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notary Public

My commission expires:

STATE OF ARIZONA)
COUNTY OF PIMA) ss.

On this the ____ day of _____, 1967, before me, the undersigned notary public, personally appeared _____, who acknowledged himself to be the _____ of HEINRICHS GEOEXPLORATION COMPANY, a corporation, and that he, as such _____, being authorized to do so, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by himself as _____.

In witness whereof, I hereunto set my hand and official seal.

Notary Public

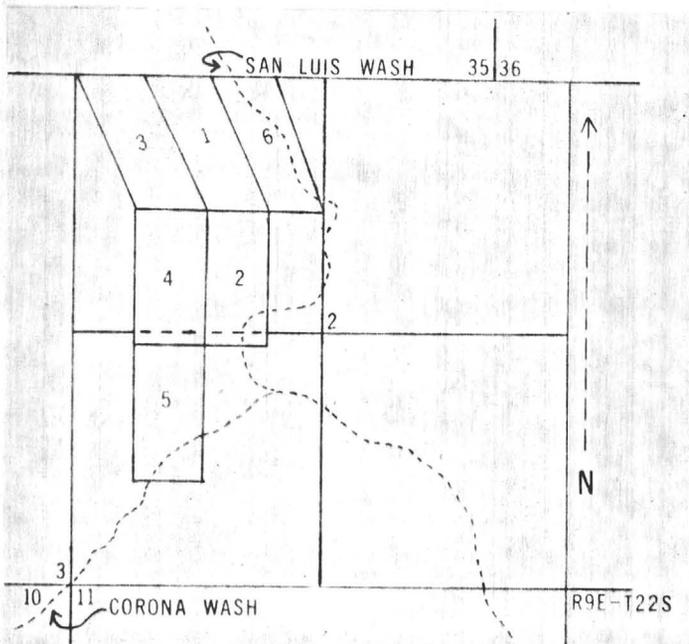
My commission expires;

EXHIBIT A

EXHIBIT A to MINERAL LEASE AND OPTION AGREEMENT (and Memorandum thereof) between Willie Castaneda and _____, his wife, and Carl W. Hartman and _____, his wife, as Lessors, and HEINRICHS GEOEXPLORATION COMPANY, a corporation, as Lessee, covering the following unpatented lode mining claims in the Arivaca Mining District, Pima County, Arizona, the location notices of which are of record in the office of the REcorder of Pima County, Arizona, as follows:

<u>Name of Claim</u>	<u>Book</u>	<u>Page</u>	<u>Date Located</u>
(Insert recording data)			

together with any additional claims which may now be owned or hereafter acquired during the term hereof by Lessors within Section 2, T.22S., R.9E., G. & S.R.M., Pima County, Arizona.



Willie Castaneda

624 0520

228 E. Lee St.

TUCSON

EX.

Carl Hartman
320 West President
Tucson