



CONTACT INFORMATION

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PRINTED: 12-10-2009

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MILTON RAY

ALTERNATE NAMES:

AGUILA CELESTITE
BLACK MOUNTAIN

MARICOPA COUNTY MILS NUMBER: 279

LOCATION: TOWNSHIP 6 N RANGE 7 W SECTION 20 QUARTER NW
LATITUDE: N 33DEG 51MIN 14SEC LONGITUDE: W 113DEG 00MIN 57SEC
TOPO MAP NAME: AGUILA - 15 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

STRONTIUM
VANADIUM
URANIUM

BIBLIOGRAPHY:

USGS AGUILA QUAD
ADMMR MILTON RAY MINE FILE
ADMMR "U" FILE MARICOPA CEL-2
USAEC FILE 172-484 P 408
MINING GEOLOGY, A.I.M.E., VOL 115, 1935, P.
362. "SOME STRONTIUM DEPOSITS OF CALIF & AZ"
GJBX 143 1981 RADIOACTIVE OCCURRENCES &
URANIUM PROD. IN AZ P. 200 ABG&MT REPORT

MILTON RAY MINE

REFERENCES

MARICOPA COUNTY

USBM "U" File

USAEC File #172-484, ~~X~~# 408

MILS Sheet sequence number 0040130447

GJBX 143 1981 Radioactive Occurrences and Uranium Production in Arizona P. 299
ABG&MT Report

MILTON RAY MINE

MARICOPA COUNTY

NJN WR 11/2/84: George Bobella and, later, John E. Dvorovy of 4059 E. Campbell, Phoenix, phone 956-4650 expressed an interest in celestite and other strontium minerals. Mr. Dvorovy was in and reviewed the Milton Ray Mine (file). He stated he planned to visit the property on November 3 or 4, 1984 and back.

December 29, 1942

Mr. Milton Ray
Aguila, Arizona

Dear Milton:

Many thanks for your letter of the 24th with the mine owner's report on the vanadium mine and the sketch of your property.

In looking it over I find no mention of the content of vanadium or uranium except the statement made that a test found \$11 recovery of vanadium. I would suggest that you send a good sample of the ore to the U. S. Vanadium Company, Salt Lake City, and tell them of the tests which you have made indicating the occurrence of uranium along with the V_2O_5 . In taking a sample I would suggest that you pick out a representative sample of a fair showing of ore and cut the sample across the width of the portion which you consider mineable. Unless you can give the U. S. Vanadium Company a more definite picture of the vein, I doubt if it will be possible to interest them. The mere fact that you have vanadium and uranium is not sufficient to have anyone go to the expense of making an examination. For your own benefit and value, I think it would be necessary to get a definite line on just what content your ore has.

With best wishes and kindest regards, I am

Very truly yours,

J. S. Coupal, Director

JSC:kk

September 25, 1942

Mr. Milton Ray
Aguila, Arizona

Dear Milton:

Your card of September 10 to Mr. Willis has been called to my attention and as the information furnished Mr. Hoyte was from this office, I would suggest that you write Mr. Hoyte and give him any and all additional information you can.

I spent Tuesday and Wednesday of this week with one of the Bureau of Public Roads men, also Percy Jones of the Highway Department and Mr. Schiele of the Grazing Department, looking over the possibilities of a temporary bridge over the Bill Williams River at Alamo. Just what the results will be I cannot say, but an estimate is being prepared on this job and I am hopeful that someday soon we may get action.

With best wishes, I am

Yours very truly,

J. S. Coupal, Director

JSC:LP

XXXXXXXXXX

518 Title & Trust Bldg.

March 25, 1942

Mr. F. L. Beverley
1011 South Magnolia Ave.
Los Angeles, California

Dear Mr. Beverley:

Thank you for your letter of March 23 in which you state that you are desirous of obtaining a strontium property.

I am enclosing a Mine Owner's Report describing the property and suggest that you contact Mr. Milton Ray direct at Box 10, Aguila.

We have a monthly publication called "Pay Dirt" published by the Arizona Small Mine Operators Association and, if agreeable to you, we will put a FLOAT item in the next issue of "Pay Dirt" stating your desires and you would in this way hear direct from any other owners of strontium properties. Please advise whether or not the insertion of such a FLOAT item meets with your approval.

Yours very truly,

J. S. Coupal

JSC:LP
Enc.

CC: Mr. Milton Ray

18 September 1940

Mr. Milton Ray,
Aguila,
Arizona.

My dear Mr. Ray:

In the absence of Mr. J. S. Coupal, I am taking the liberty of acknowledging receipt of your letter of September 17.

I shall be glad to call this matter to Mr. Coupal's attention at the first opportunity, and I am sure he will be pleased to learn that you have had an inquiry from Mr. Garland for 1,000 tons of strontium ore on a two year contract.

I should suggest that you advise Mr. Coupal when the deal has been completed.

Yours very truly,

Jess R. Fickas
Secretary to Mr. Coupal

jrf

9 September 1940

Mr. Milton Ray,
Aguila,
Arizona.

Dear Milton:

I have just had an inquiry from Mr. Charles W. Garland, 412 West Sixth Street, Los Angeles, California, for a Celestite property which would carry about 94% celestite.

I am sending Mr. Garland a copy of your mine owners report, and I should suggest that you write him regarding tonnage you believe you can produce on this property, or the terms you would want for someone taking over the property.

With best wishes, I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf

cc-C.W.Garland

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
CAPITOL BUILDING
PHOENIX, ARIZONA

J. S. COUPAL, PHOENIX
DIRECTOR
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FIELD OFFICES AT
GLOBE - KINGMAN
PRESCOTT - TUCSON



9 September 1940



Mr. Milton Ray,
Aguila,
Arizona.

Dear Milton:

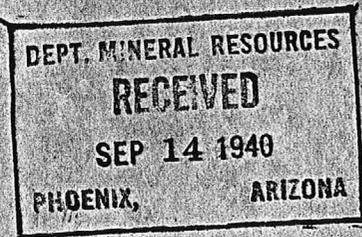
I have just had an inquiry from Mr. Charles W. Garland, 412 West Sixth Street, Los Angeles, California, for a Celestite property which would carry about 94% celestite.

I am sending Mr. Garland a copy of your mine owners report, and I should suggest that you write him regarding tonnage you believe you can produce on this property, or the terms you would want for someone taking over the property.

With best wishes, I am

Yours very truly,

J. S. Coupal
Director

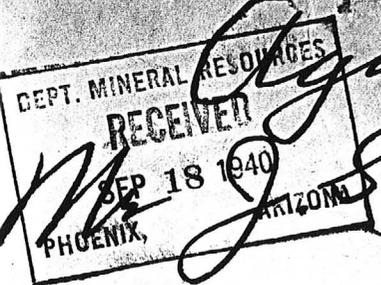


JSC-jrf

cc-C.W.Garland

Rep Milton Ray

Many Thanks for the above information However his offer is too high for Ore as we do not believe that this Ore exist any where in Commercial units of this grade I have offered My Ore in grades of 70 to 90 % to 21 One of the large used at \$6 Per T. FOB Cars 50 to 100 Tons to be loaded later



Tyguila Arizona Sept the 17 1940
J. Cupal Director
Phoenix Ariz

Dear Sir I have just Received an
Inquiry from the Chas W. Garland Co
412 west 6th St.
L A ~~Calif~~

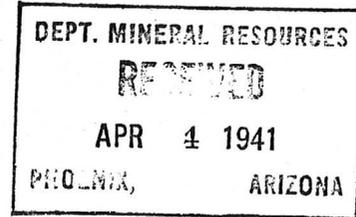
for 1000 Tons of my Strontium Ore
on a two year Contract at a Coverage
of 70% Content of Strontium Sulphate
I have the goods and I will leave
Nothing undone to Complete the Deal
on my Part if it is Possible

The Dow Chemical Co at Midland Mich
also have their first Shipment which is a
Test sample also the Nat Lead Co. and the
Chemurigic Corporation at Richmond Calif
who are Building a large mill and have
Requested 50 to 100 tons as a Test as soon as
they give Shipping Orders for the same
also I have quoted Car load Prices to 20
Other Strontium Dealers throughout the US
And I wish to a you Thank You for
the Garland Inquiry and his address that
you mailed to me several days ago With Best
Regards I am yours Truly
William Ray

Aguila, Arizona,
April 2, 1941.

M E M O R A N D U M

To: J. S. Coupal, Director
From: Elgin B. Holt, Field Engineer
Subject: Milton Ray strontium.



Referring to your memorandum of March 7th instructing me to see Mr. Milton Ray of Aguila regarding his strontium mine, with a view to securing information concerning it for Mr. Minor Blythe, 1003 West 35th St., Los Angeles, California, kindly be advised as follows:

I have just had a talk with Mr. Ray about this matter and he stated that this property is now under option to Texas people and hence he is not interested at this time in carrying on correspondence with Mr. Blythe regarding the sale of ore from same.

Therefore, I do not think it necessary in this memorandum to go into a description of property, except to say according to Geological Survey Bulletin 871 - Mineral Resources of the Region Around Boulder Dam - the total amount of celestite rock of good grade material, in said property, is estimated at 180,000 tons. Here average samples, per the Bulletin mentioned, run 73.1% SrSO₄ and selected samples 85.3% SrSO₄.


Elgin B. Holt.

cc - Milton Ray

Mr Bernard W. Moore is a U.S. Geologist
 and he made a report on the same in 1935
 and he told me that I should know
 that this is the Best Deposit in the U.S.
 for Mfg. C.P. Products from as my Ore
 contained Less Harmful Impurities
 than any Other Deposit in the U.S.
 or the Imported Ores. Now in Closing
 I will say that I believe that Mr
 Donald W. Nelson the Director of the
 Supply should be fully informed of
 the same in Washington D.C.

yours Very Truly
 Milton Ray Owens

10, Aguila Arizona Jan. 27th - 1942

Mr William J. Walsh

(Wants you to
make personal
call)

Director of the Arizona
O. P. M. Contract Office
Phoenix Arizona

Dear Sir I Desire to Call Your
Attention to My large Mine and Deposit
of Strontium Ores. Which Appears to
be One of the Largest Ore Bodies
in the State of Arizona and fully
large enough to supply the U.S. War Dept.
and the U.S. Navy with an abundant
supply of Strontium Ores for the next
100 years to be mined. Into the many
C, P, Salts Nitrates etc as is used in
Signal Flares Traces Bombs etc, in the
Army & Navy This Mine and Deposit is
only about 60 miles in a air line N.W.
of Phoenix and reached by auto Road
from Aguila Arizona and I am the owner
and I am more than anxious to put this
mine in production to help win this war
and will be glad to take contracts for the
U.S. Government Come Out and see this
large deposit of Ore also see Bernard N Moore's
Bulletin No. 31445 U.S. Geo. Survey Washington D.C.

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
518 TITLE AND TRUST BUILDING
PHOENIX, ARIZONA



May 20, 1942

J. S. COUPAL, PHOENIX
DIRECTOR
W. J. GRAHAM, PHOENIX
ASSISTANT TO THE DIRECTOR
AND SECRETARY TO THE
BOARD OF GOVERNORS
FIELD OFFICES AT
GLOBE - KINGMAN
PRESCOTT - TUCSON

REPLY TO

We have submitted your Mine Owner's Report to Mr. G. Donald Emigh, who is representing the U. S. Vanadium Corporation, with present headquarters at the Pioneer Hotel, Tucson, Arizona as being one of the properties from which vanadium production may be obtained.

The following item will explain our reason for so doing:

The U. S. Vanadium Corporation has been designated by the Metals Reserve Company to increase the production of lead vanadates and they are working in the southwest.

G. Donald Emigh, Pioneer Hotel, Tucson, is their representative, and Arthur L. Flagg, 29 W. Holly Street, Phoenix, is their field manager.

They are seeking small vanadium properties and are ready to handle them on almost any kind of a deal except actually buying properties. They will put money into development, they will lease, they will build small mills, they will work out processes, they will cooperate with the man to develop his own property. They will pay premium prices for that which they get. They will do almost anything and everything designed to bring out increased vanadium production.

An office is going to be established in Tucson and we will let you know the address as soon as we get it. Any occurrences of lead vanadates should be promptly reported to either Mr. Emigh or Mr. Flagg, or anyone who has vanadium properties should be referred to them.

We would suggest that you contact these parties at once and if you can furnish any information in addition to that which occurs in your Mine Owner's Report on file with us that you do so at once. Please advise us of your action.

With best wishes and hoping you get your property into early production, I am

Yours very truly,

J. S. Coupal
J. S. Coupal,
Director

JSC:LP

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

June 4, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Milton Ray Mine (Maricopa County)
(Property)

Vanadium and Strontium
(ore)

which we would like to have



port form with as complete detail
, assay returns, shipment returns
re and which might interest a



Frank P. Knight

FRANK P. KNIGHT,
Director.



REASON CHECKED
Unclaimed.....
Unknown.....
Insufficient address.....
Moved, Left no address.....
No Such office in state.....
Do not remail in this envelope
POSTAGE DUE 2 CENTS

Deceased

USPM "U" Files
states Traces V₂ 5

VIS6.11

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

1. Information from: Ted Eyde
Company: GSA Resources
Address: P. O. Box 509
Cortaro, AZ 85652
2. Phone: (602) 297-4330
3. Mine: Milton Ray
4. ADMMR Mine File: To be made
5. County: Maricopa MILS Number: 279
6. Summary of information received, comments, etc.:

Ted Eyde reported his firm located mining claims on this strontium deposit for Chemical Products.

Further, he did some consulting geology work on the deposit and a few holes were drilled.

Chemical Products - is a major processor of purchased strontium minerals. Their sources are primarily from mines in Mexico. They acquired the Black Butte Area deposit as a possible future source of domestic strontium and celestite. Mr. Eyde was relatively certain the company still holds the claim group. The claims are SR41 through SR46 in the S $\frac{1}{2}$, Sec 17, T6N, R7W and SR1 through SR14 in N $\frac{1}{2}$, Sec 20, T6N, R7W. The claims were first located June 3, 1983. They were abandoned or dropped, and those listed above were relocated Sept. 9, 1989.

Chemical Products's address is P. O. Box 449, Cartersville, Georgia 30120.

Date: August 12, 1991 Engineer: Ken A. Phillips

Geology & Mineralization - Mineralized shales and clays and andesites tufas, etc.
Surrounded by granites. Ores values in strontium
SrSO₄ celestite.

Ore: Positive & Probable, Ore Dumps, Tailings - A million tons plus, said to be the
best deposit in the U. S., fine refining for C. P. products.

Vein Width, Length, Values, etc. - Ore body 125 ft. wide by 1300 ft. in length, plus.

Mine, Mill Equipment & Flow Sheet - Ore grade from low to 93 per cent SrSO₄

Road Conditions, Route - Good to fair.

Water Supply

Brief History - Discovered by Milton Ray 1925

Special Problems, Reports Filed - Mr. B. S. Butler, U. S. Geo. survey.
Bernard Moore, U. S. Geological Survey.

Remarks

If property for sale: Price, terms and address to negotiate - Tonnage for sale.
Grade of ore up to 93% SrSO₄

SIGNED - Milton Ray

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date June 8, 1940

Mine Milton Ray

Mining District & County - Vulture Dist.
Maricopa Co.

Location - 12 miles SE of Aguila, Ariz.

Former Name - None

Owner - Milton Ray

Address - Box 10, Aguila, Arizona

Operator - Milton Ray

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals - Strontium and Vanadium

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present - Assessments

Operations: Planned - Shovel dray lines, etc. Large quarrying and openpit mining.

Number Claims, Title, etc. - Good

Description: Topography & Geography

Mine Workings: Amt. & Condition - Opened up 1300 ft. on surface.

Aguila Ariz Dec. 2nd



Mr J. S. Cupal

Dear Sir Many Thanks
for your splendid letter and the excellent
advice contained. And I am sending
you a good rough sketch showing the
outcroppings of the yellow water
soluble yellow Carnotite U_2O_5 and its
admixture of the highly Radium active
 U_3O_8 (Uranium) which was tested and
identified by Dr. Hillerbrand who was
at that time the Chief Chemist of the U.S.
Geo. Survey Washington D.C., all the Col
assay Co all the Standard Chemical Co, Vanadium
Producers of Pittsburg Pa. all identified as well
as Dr. Karl Rienhart for the Amlene Co of
Germany made extensive mill run test and
found \$11⁰⁰ Recovery of Vanadium vs Ore per ton
Other than the Carnotite this out fit would
not receive samples of Carnotite as they were
purchasing U_2O_5 for dyes only U_3O_8 would
not suit them

Wishing you a merry Christmas and a
Happy New Year

I am yours truly
Milton Ray

23. Geology & Mineralization **Lead treachery formation.**

24. Ore: Positive & Probable, Ore Dumps, Tailings **V₂O₅ also U.O.**

24-A Vein Width, Length, Value, etc. **2 claims wide, more than one mile in length or long.**

25. Mine, Mill Equipment & Flow Sheet **No mill.**

26. Road Conditions, Route **Fair, not mountaineous**

27. Water Supply **Plentiful from underground sources nearby.**

28. Brief History **Discovered by Milton Ray in 1923.**

29. Special Problems, Reports Filed **None.**

30. Remarks **Very large and great in size.**

31. If property for sale: Price, terms and address to negotiate. **Would lease and sell on a fair lease the ores contained in the mine on a royalty lease.**

Note: **C. W. Ray of Silver Springs, Florida is a half interested partner.**

32. Signed.....**MILTON RAY**.....

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date December 24, 1942

- 1. Mine Milton Ray Vanadium Mine
- 2. Mining District & County Aguilá, Maricopa County
- 3. Former name None.
- 4. Location Aguilá, Arizona.
Maricopa County
- 5. Owner Milton Ray and C. W. Ray
- 6. Address (Owner) Aguilá, Arizona
- 7. Operator Milton Ray
- 8. Address (Operator) Aguilá, Arizona
- 9. President Partnership
- 10. Gen. Mgr. Milton Ray
- 11. Mine Supt. Milton Ray
- 12. Mill Supt. Milton Ray
- 13. Principal Metals Vanadium and Strontium
- 14. Men Employed Closed down
- 15. Production Rate Not tested
- 16. Mill: Type & Cap. Steam Shovel deposit
- 17. Power: Amt. & Type None yet. 3 miles to power line from Parke Super line 261-1000 volts
- 18. Operations: Present Closed down at present time.

MILTON RAY MINE

Strontium + Vanadium

Maricopa

7-3

S. 2° T. 6 N. R. 7 W

Milton Ray, Box 10, Aguilá

'40
'46

19. Operations Planned Development

20. Number Claims, Title, etc. 12 exempted perfect recorded, no contests, original locator, and only original discoverer.

21. Description: Topography & Geography Easy rolling to step at east end.

22. Mine Workings: Amt. & Condition Developed with 14 shallow pits or shafts 8 to 9 feet deep.

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

NOV 23 1943
PHOENIX ARIZONA

Date Nov 23 1943

1. Mine: MILTON RAY Aguila Ariz
2. Location: Sec. _____ Twp. _____ Range _____ Nearest Town Aguila
Distance _____ Direction _____ Road Condition Mostly Good
3. Mining District & County: Western Maricopa
4. Former Name of Mine: _____
5. Owner: Milton Ray Black Mt Vanadium
Address: _____
6. Operator: And Strontium
Address: Milton Ray
7. Principal Minerals: Carnotite Vanadium Uranium
minerals strontium
8. Number of Claims: 24 Lode Lode Placer _____
Patented Mining Claims Unpatented yes
9. Type of Surrounding Terrain: Variable Vanadium & Carnotite
Uranium Minerals Abundant over a large
Part of these Claims it may be one of the
Largest localities in the Country for these
minerals as they out crop on the side of this
10. Geology & Mineralization: Large Valley 14 or 15 Miles away on the North
side of the Valley North of the town of Aguila
I own a new Improved Electroscope and I test
my Ores For Radioactivity on the Electroscope
11. Dimension & Value of Ore Body: Very Large

See Milton Ray in Aguila Ariz
for Instructions and Guide to Mine



THIS SIDE OF CARD IS FOR ADDRESS

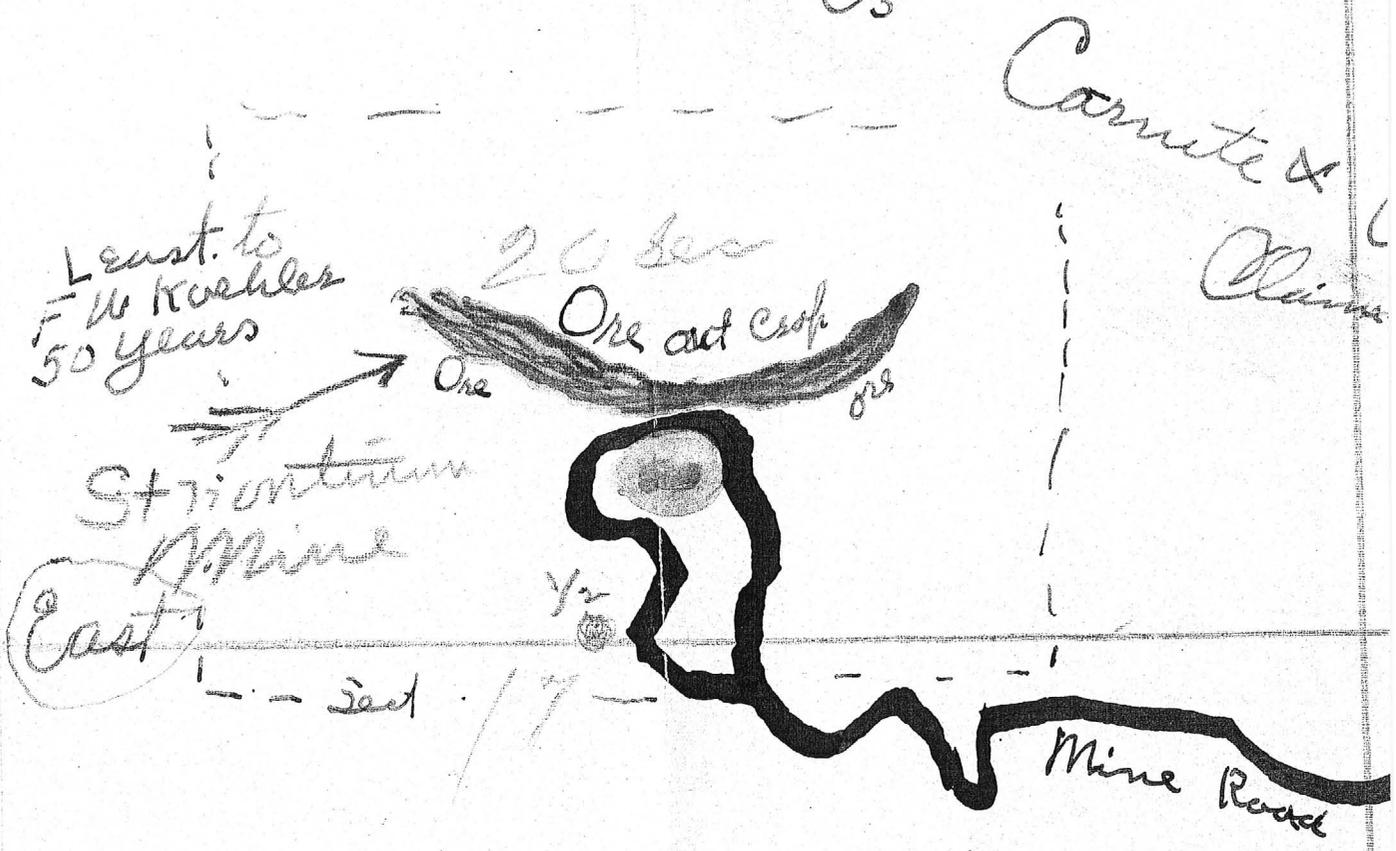
Mr Willis Ed. Mining Journal
Titlex Trust Bldg.
Phoenix
Arizona

Aguila Arizona Sep 10-42
Dear Sir Many Thanks
for the information
furnished in your
Card advising of
the information
that you furnished
to Mr Hoyte of Van
Horn Texas I should
also state that if
Mr Hoyte should see
the mine and Ore
body and the High
Grade Material which
has been stated by
Eminent Geologists
to be the Best Ore body
of its kind in the U.S.
For C.P. Chemical Material
Etc.
Yours truly
Milton Ray

A-4

(South)

This Only a Rough Sketch
There is 14 Old 8 Foot Tract Pits showing
yellow Carnotite Ore Truly a Large Ore Crop
V205



Milton Ray 14 Claims of
Aguila V205 & UO

Sect 20 & 17
Ariz. T. 6 N. R. 7. West
14 miles out of aguila ariz.

(North)
↓

- A'

Shaws.

V_2O_5 , yellow
 UO

V_2O_5 , UO ,
Carnotite

Red Strontium

(Celestite, $SrSO_4$)

Red & yellow V_2O_5 - UO

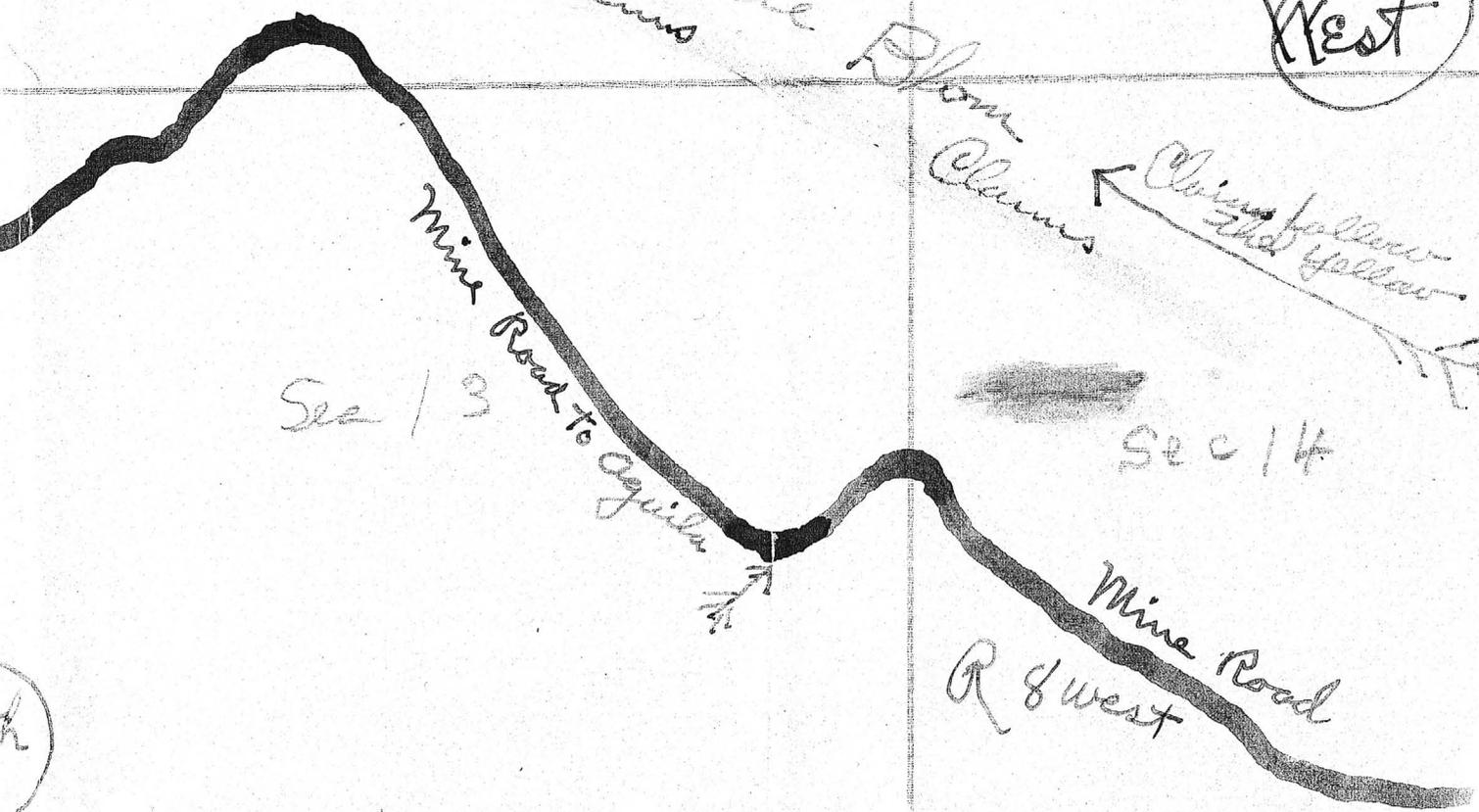
UO Sec. 19
Claims

Carnotite
Claims

West

Blom
Claims

Claims follow
the yellow



Sec 19

Sec 14

Mine Road
R & West

h

