



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: DOYLE VANADIUM

ALTERNATE NAMES:

DOYLE MINING CO.
DOYLE GROUP

MOHAVE COUNTY MILS NUMBER: 356A

LOCATION: TOWNSHIP 10 N RANGE 14 W SECTION 5 QTR. NW
LATITUDE:N 34DEG 14MIN 38SEC LONGITUDE:W 113DEG 44MIN 46SEC
TOPO MAP NAME: IVES PEAK - 15 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

LEAD-(M) OXIDE-PRIMARY	TUNGSTEN-(M) W03 CONTENT-BYPROD
VANADIUM-BYPRODUCT	COPPER-BYPRODUCT
MOLYBDENUM-BYPRODUCT	ARSENIC-(M) BYPROD.-BYPRODUCT
SILVER-BYPRODUCT	
GOLD-(M) LODE-BYPRODUCT	
ZINC-BYPRODUCT	

BIBLIOGRAPHY:

USGS IVES PEAK QUAD
AZ. STATE LAND DEPT. MINERAL MAP
USGS PRESCOTT MAP
ADMR DOYLE VANADIUM MINE FILE
FLAGG, A.L. REPORTS ON VANADIUM BOOK 8, P. 5,
AND BOOK 1
ADDITIONAL WORKINGS IN SEC. 6, NE

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

September 25, 1958

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

DOYLE VANADIUM or (Mohave County) vanadium, molybdenum, gold, silver,
(Property) (ore) lead, zinc, tungsten,
DOYLE MINING CO. copper, arsenic

above property which we would like to have

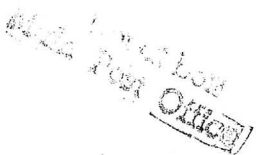


Mine Owner's Report form with as complete detail
of reports, maps, assay returns, shipment returns
not sent us before and which might interest a
the property.

Mr. Robert N. Doyle

~~P. O. Box 74~~

Pasadena, California



Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

ARIZONA DEPARTMENT OF MINERAL RESOURCES
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DOYLE VANADIUM or (Mohave County) vanadium, molybdenum, gold, silver,
(Property) (ore) lead, zinc, tungsten,
DOYLE MINING CO. copper, arsenic

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

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MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

August 29, 1958

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Doyle Vanadium (Mohave County) vanadium, molybdenum, gold, silver, lead
zinc, tungsten, copper arsenic
(ore)

REFUSED VACANT
MOVED - left no address
UNKNOWN AT ADDRESS
NO SUCH NUMBER



We would like to have

return with as complete detail
of returns, shipment returns
which might interest a

Mr. Harrison Doyle
1620 Appleton St.
Long Beach, California

Frank P. Knight

FRANK P. KNIGHT,
Director.



Enc: Mine Owner's Report

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Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

14 January 1942

Mr. Robert N. Doyle,
P. O. Box 74,
Pasadena, California.

My dear Mr. Doyle:

Complying with request contained in your letter of
January 5, I addressed the letter enclosed therein to -

Mr. Robert R. Mix, Attorney,
80 Washington Street,
Chicago, Illinois

and it should be in his hands by this time.

With best wishes, I am

Yours very truly,

Charles F. Willis
Chairman, Board of Governors

CFW-jrf

Robert N. Doyle

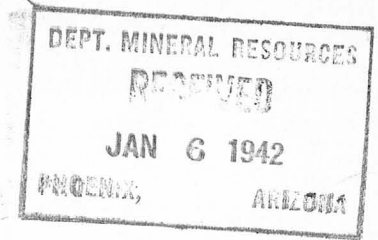
AND ASSOCIATES

ORES AND MINERALS

P.O. BOX 74

PASADENA, CALIFORNIA

January 5, 1942



*Return to Mr. Willis
80 Washington Street
Chicago*

Arizona Dept. of Mineral Resources:
518 Title & Trust Bldg.
Phoenix, Arizona.

Attention Mr Charles F. Willis.

Dear Sir:

I am enclosing a letter my brother, Harrison Doyle wrote to the Vanadium Refining Company of Chicago Illinois. It was returned with the notation on the envelope that there is no such company listed in the Chicago directory.

This letter was in answer to an ~~an~~ item in "Pay Dirt" in the float column, in the issue before last.

This enclosed letter is Stamped and addressed to the Vanadium Refining Company with the exception of their correct address. If you can supply the missing address We will certainly be much obliged to you.

Here's hoping you will soon get the much needed appropriation to keep up your fine and much needed help to the mining industry.

With our best wishes for a happy and prosperous New Year.

Yours Sincerely;
Robert N. Doyle
Robert N. Doyle

*P.S. I believe this item was an article in
Pay Dirt instead of in the Float Column.
R.N.D.*

MD-17

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

- 1. Mine Doyle Vanadium or Doyle Mining Co.
- 2. Mining District & County Owens District
Mohave County
- 3. Former name Same
- 4. Location 30 miles NE Bouse. Take Swansea road 14 miles. Turn right at signs "Bernarde Mine", "Townsend Mine", Doyle Mining Co.", to Bill Williams river at Townsend's mill. Anyone there will point out Doyle's Camp. Road and trails N up wash from Camp.
- 5. Owner Harrison, M.I., J. F., and Robert N. Doyle (Brothers)
- 6. Address (Owner) Harrison Doyle
1620 Appleton St., Long Beach, California. or
- 7. Operator Same.
- 8. Address (Operator) R. N. Doyle, P.O. Box 74,
Pasadena, California
- 9. President
- 10. Gen. Mgr.
- 11. Mine Supt.
- 12. Mill Supt.
- 13. Principal Metals Vanadium, Molybdenum, Gold,
Silver, Lead, Zinc, Tungsten, Copper, Arsenic.
- 14. Men Employed None at present
- 15. Production Rate None
- 16. Mill: Type & Cap. None
- 17. Power: Amt. & Type None
- 18. Operations: Present Location and assessment work.
- 19. Operations Planned Standard mining if market can be found for our complex ore concentrate.
- 20. Number Claims, Title, etc. 5 claims and 3 millsites.
Vanadium King Group and Millsite
Vanadium Queen Group and Millsite
Mohave Gold Group and Millsite.
Cabin, wells, etc. 2 1/2 miles road.
- 21. Description: Topography & Geography The claims lie about a hundred and fifty feet above and from one to two miles north of the Bill Williams river in Owens Dist. southern Mohave Co. Roads reaching most of them when river crossing can be made. A little road work would make them accessible from Signal or Alamo. Elevation about 900 ft. Good desert road to Bouse 30 miles to R.R. and highway (Parker Bouse) Ledges exposed by canyon which is accessible all the year around. Camp on north bank of Bill Williams river 1/2 mile NW Townsend's Mill.
- 22. Mine Workings: Amt. & Condition Fascination ledge has 40 ft. drift, opencuts, etc. Mohave Gold has 45 ft. incline shaft. Five other tunnels and shafts in other parts of the ledges from ten to twenty-five feet deep.

23. Geology & Mineralization true fissure veins, banded. From 1 to 5 ft. in width, Bands consists of Plumbocalcite, fluorite, and quartz. Vanadate and Molybdate values in calcite and fluorite, gold, silver, copper in quartz. Pencillike streaks of scheelite in calcite and fluorite. There are two main vein systems, the "Fascination", and "Vanadium Queen". In Fascination, a mixture of above. In Vanadium Queen more calcite. Fascination vein is 2 miles long. Vanadium Queen vein shows 1/2 mile.

24. Ore: Positive & Probable, Ore Dumps, Tailings

Vanadium Queen and Mohave Gold Incline positive 5000 tons \$30.00 ore. Probable, five times that amount. Vanadium King, same. Vanadium and Molybdenum shows along surface for over a mile. A dozen places might be commercial.

24-A Vein Width, Length, Value, etc. We believe that there is at least a hundred thousand tons of commercial ore along the two main veins. Ore concentrates anywhere from 4 to 1, to 15 to 1, according to the amount of lead oxide it contains. Concentrate approx. as follows: MoO₃, 8 to 10%. V₂O₅, 8%. Gold, \$15. Silver, 16 to \$19. Lead, 50%. Zinc, 6%. Tungsten, (scheelite) 1%. Copper, 1 to 2%. Arsenic, 6%. (also silicon, calcium, manganese, iron, etc.)

25. Mine, Mill Equipment & Flow Sheet

There is enough ore on this property to operate a 100-ton mill. The reason this property is idle is that we have refused to operate it for only part of the elements it contains. We have turned down offers for it as a straight gold and lead property, also as a vanadium and MoO₃ property sacrificing the other values, etc.

26. Road Conditions, Route

Good road to Townsend's mill from Bouse, 30 miles.

27. Water Supply Unlimited. Ideal for large size operations, within 1 mile of property. Gravity concentration is all that is needed to produce a concentrate. This concentrate to be shipped to where facilities are proper for separation of the complex elements. The concentrate to any outfit that can separate it is worth better than \$300.00 per ton, which means that it will easily stand shipping.

28. Brief History The property has been under option as a gold mine. There is several thousand tons of gold silver lead ore in a 12 inch band averaging 8 to \$20 in gold, and 5% oxidized lead. 1 oz silver. however, it was turned down on account of fluorspar and copper carb. Another time it was optioned to Los Angeles Broker who arbitrarily asked \$300,000 for it. The complexity of the ore has frightened them away together with these outrageous ideas as to its value.

29. Special Problems, Reports Filed

30. Remarks

We understand that there is a modern process chemically treating this type ore that is coming into use now and that it is suitable for our ore. Also that if a plant is established centrally in Arizona that will even pay us for the larger part of our concentrates, we can furnish a substantial amount of custom work to it.

31. If property for sale: Price, terms and address to negotiate.

We will listen to any reasonable offer for the property, either as an outright sale, a lease and bond, or an option to buy. We will consider a small down payment, and a royalty of 20 per cent to apply on purchase price. Or \$25,000 cash outright. Double this amount if the payments are to be financed out of the sales gross over any length of time. This is a war metal. It should be taken out fast.

If you will analyze this paragraph, you will understand how we feel about it.

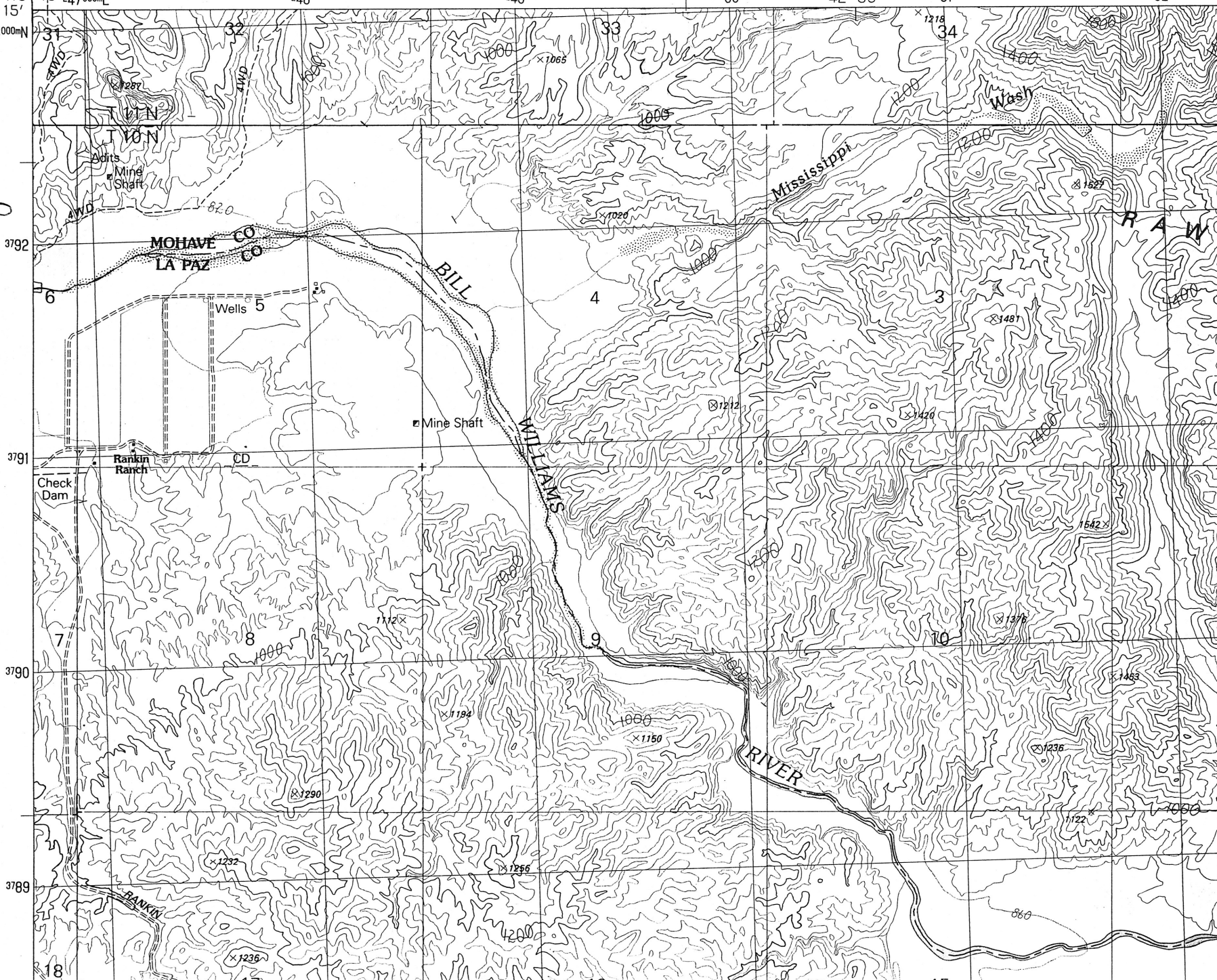
Signed, Harrison Doyle

33. Use additional sheets if necessary. 1620 Appleton Street, Long Beach, California.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

113° 45' 24.7000"E 248 249 250 42' 30" 251 252
34° 15' 3793000mN

Roid Valley 7.5



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

August 29, 1958

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

Doyle Vanadium (Mohave County) vanadium, molybdenum, gold, silver, lead
zinc, tungsten, copper arsenic
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

218
REFUSED VACANT
MOVED -left no address
UNKNOWN AT ADDRESS
NO SUCH NUMBER



Mr. Harrison Doyle

1620 Appleton St.

Long Beach, California



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

September 25, 1958

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

DOYLE VANADIUM or (Mohave County) vanadium, molybdenum, gold, silver,
(Property) (ore) lead, zinc, tungsten,
DOYLE MINING CO. copper, arsenic

We have an old listing of the above property which we would like to have brought up to date.

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Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report



Mr. Robert N. Doyle

~~P. O. Box 71~~

Pasadena, California

Not at box
Main Post Office

24

MA-17

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

- Date
1. Mine Doyle Vanadium or Doyle Mining Co.
 2. Mining District & County Owens Dist. Mohave County
 3. Former name Same
 4. Owner Harrison, M. I., J. F., and Robert N. Doyle (Brothers)
 5. Operator Same
 6. President, Owning Co.
 7. Gen. Mgr.
 8. Mine Supt.
 9. Mill Supt.
 10. Men Employed None at present.
 11. Operations: Present Location and assessment work.
 12. Operations: Planned Standard mining if market can be found for our complex ore concentrate.
 13. Number Claims, Title, etc. 5 claims and 3 millsites
Vanadium King Group and Millsite
Vanadium Queen Group and Millsite
Mohave Gold Group and Millsite
Cabin, wells, etc. 2 1/2 miles road.
 14. Description: Topography & Geography The claims lie about a hundred and fifty feet above and from one to two miles north of the Bill William's river in Owens Dist. Southern Mohave Co. Roads reaching most of them when river crossing can be made. A little road work would make them accessible from Signal or Alamo. Elevation about 900 ft. Good desert road to Bouse 30 miles to R.R. and highway (Parker Bouse) Ledges exposed by canyon which is accessible all the year around. Camp on north bank of Bill William's river 1/2 mile NW Townsend's Mill.
 15. Mine Workings: Amt. & Condition Fascination ledge has 40' drift, opencuts, etc. Mohave Co. Gold has 45 ft. incline shaft. Five other tunnels and shafts in other parts of the ledges from ten to twenty-five feet deep.
 16. Location 30 mi. NE Bouse. Take Swansea road 14 miles. Turn right at Signs "Bernarde Mine", "Townsend Mine", Doyle Mining Co.", to Bill Williams river at Townsend's Mill. Anyone there will point out Doyle's Camp. Road and trails N up wash from Camp.
 17. Address (Owner) Harrison Doyle 1620 Appleton St., Long Beach, Calif., or
 18. Address (Operator) R. N. Doyle, P.O. Bx 74, Pasadena, Calif.
 - 19A. President, Operating Co.
 14. Principal Minerals Vanadium, Molybdenum, Gold, Silver, lead, zinc, tungsten,
 15. Production Rate copper, Arsenic.
 16. Mill: Type & Cap. None
 17. Power: Amt. & Type None

23. Geology & Mineralization True fissure veins, banded. From 1 to 5 ft. in width, Bands consists of Plumbocalcite, fluorite, and quartz. Vanadate and Molybdate values in calcite and fluorite, gold, silver, co per in quartz. Pencil-like streaks of scheelite in calcite and fluorite. There are two main vein systems, the "Fascination", and "Vanadium Queen". In Fascination, a mixture of above. In Vanadium Queen more calcite. Fascination vein 2 miles long. Vanadium Queen vein shows $\frac{1}{2}$ mile.

24. Ore: Positive & Probable, Ore Dumps, Tailings
Vanadium Queen and Mohave Gold Incline positive 5000 tons \$30.00 ore. Probable, five times that amount. Vanadium King, same. Vanadium and Molybdenum shows along surface for over a mile. A dozen places might be commerical.

24A. Dimensions and Value of Ore body
We believe that there is at least a hundred thousand tons of commercial ore along the two main veins. Ore concentrates anywhere from 4 to 1, to 15 to 1, according to the amount of lead oxide it contains. Concentrate approx. as follows: MoO₃, 8 to 10%. V₂O₅, 8%. Gold, \$15. Silver, 16 to \$19. Lead, 50%. Zinc 6%. Tungsten, (scheelite) 1%. Copper, 1 to 2%. Arsenic, 6%. (also silicon, calcium, manganese, iron, etc.)

25. Mine, Mill Equipment & Flow-Sheet

There is enough ore on this property to operate a 100-ton mill. The reason this property is idle is that we have refused to operate it for only part of the elements it contains. We have turned down offers for it as a straight gold and lead property, also as a vanadium and MoO₃ property sacrificing the other values, etc.

26. Road Conditions, Route

Good road to Townsend's mill from Bouse, 30 miles.

27. Water Supply Unlimited. Ideal for large size operations, within 1 mile of property. Gravity concentration is all that is needed to produce a concentrate. This concentrate to be shipped to where facilities are proper for separation of the complex elements. The concentrate to any outfit that can separate it is worth better than \$300.00 per ton, which means that it will easily stand shipping.

28. Brief History The property has been under option as a gold mine. There is several thousand tons of gold silver lead ore in a 12 inch band averaging 8 to \$20 in gold, and 5% oxidized lead. 1 oz silver. However it was turned down on account of fluorspar and copper carb. Another time it was optioned to Los Angeles Broker who arbitrarily asked \$300,000 for it. The complexity of the ore has frightened them away together with these outrageous ideas

29. Special Problems, Reports Filed as to its value.

30. Remarks We understand that there is a modern process chemically treating this type ore that is coming into use now and that it is suitable for our ore. Also that if a plant is established centrally in Arizona that will even pay us for the larger part of our concentrates, we can furnish a substantial amount of custom work to it.

31. If property for sale: Price, terms and address to negotiate. We will listen to any reasonable offer for the property, either as an outright sale, a lease and bond, or an option to buy. We will consider a small down payment, and a royalty of 20 per cent to apply on purchase price. Or \$25,000 cash outright. Double this amount if the payments are to be financed out of the sales gross over any length of time. This is a war metal. It should be taken out fast. If you will analyze this paragraph, you will understand how we feel about it.

32. Signature (Signed) Harrison Doyle

1620 A pleton St.
Long Beach, Calif.

Use additional sheets if necessary.

14 January 1942

Mr. Robert N. Doyle,
P. O. Box 74,
Pasadena, California.

My dear Mr. Doyle:

Complying with request contained in your letter of
January 5, I addressed the letter enclosed therein to -

Mr. Robert R. Mix, Attorney,
80 Washington Street,
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and it should be in his hands by this time.

With best wishes, I am

Yours very truly,

Charles F. Willis
Chairman, Board of Governors

CFW-jrf

MD-17

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

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- 7. Operator Same.
- 8. Address (Operator) R. N. Doyle, P.O. Box 74, Pasadena, California
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- 10. Gen. Mgr.
- 11. Mine Supt.
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- 14. Men Employed None at present
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