



## **CONTACT INFORMATION**

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05/03/99

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SOUTHWEST EXTENSION

ALTERNATE NAMES:  
VULTURE SOUTHWEST

MARICOPA COUNTY MILS NUMBER: 237B

LOCATION: TOWNSHIP 5 N RANGE 5 W SECTION 6 QUARTER N2  
LATITUDE: N 33DEG 48MIN 30SEC LONGITUDE: W 112DEG 49MIN 17SEC  
TOPO MAP NAME: VULTURE MOUNTAINS - 15 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

GOLD LODE  
LEAD CARBONATE  
SILVER  
VANADIUM  
LEAD SULFIDE  
COPPER

BIBLIOGRAPHY:

USGS VULTURE MTNS QUAD  
ADMMR SOUTHWEST EXT. FILE  
FLAGG A L VANADIUM REPORT BOOK I









~~THE CLEMENCEAU MINING CORPORATION~~

C. J. Beale

~~XXXXXXXXXXXX~~

Box 1204

JEROME, ARIZONA

9-26-42

DEPT. MINERAL RESOURCES

RECEIVED

SEP 28 1942

PHOENIX,

ARIZONA

Mr. Sam S. Coupal  
520-528 Title & Trust Bldg.  
Phoenix, Arizona

Dear Sir

Some time ago a Mr. Flagg of the Vanadium Corporation of America examined five claims belong to myself and partners. These claims adjoin the Vulture Mine on the south and east and <sup>are</sup> reached by 3/4 mile of good road from the Vulture camp. Mr. Flagg wrote later saying that the claims looked "very interesting" and that he expected to return and make a thore survey of that whole section. This was probably an easy letdown on his part..

I talked with your Mr. Nebeker re: their vanadium possibilities and he thought that you had probably examined these claims or had an engineers report on them. He suggested writing you.

Most ores in that section contain some vanadium and according to Mr. Dan Finlayson, President of the Vulture Mining and Milling Company, our vein shows a much higher vanadanite content than ~~any of them~~. In a report made some years ago he stated that the vanadanite content of our ore had a very real value. We shipped five tons to a mill in Wickenburg with the idea of seperating the lead and vanadium. They had no idea what they were doing and the resulting 1500 pounds of concentrate meant nothing.

Mr. Nebeker was asked if he thought it worth while to apply for a small class C loan and it was then he suggested writing to you. No use going thru that performance if engineers have already decided that the vanadanite showing is not worth going after.

The ground was not developed well due to a number of causes, one of which was a disturbing partner. The claims are developed by a 105' (35°) incline and a drift 110' in length on the vein. In the incline there is an ore shoot from which about fifty tons of silver-lead ore was shipped. Near the end of the drift there is another shoot and a winze was sunk about forty feet. The bottom of this winze shows 18" of quartzite, 18" of lead carbonate ore heavily coated with vanadanite crystals and about 18" of typical Vulture quartz on the south wall. Gold values of the quartz run about \$2 except for an occasional sample running up to \$10 or \$12 per ton. Unfortunately, this aforesaid partner gobbed the winze and that makes it look bad.

It seems to me that the showing of vanadanite on the dump

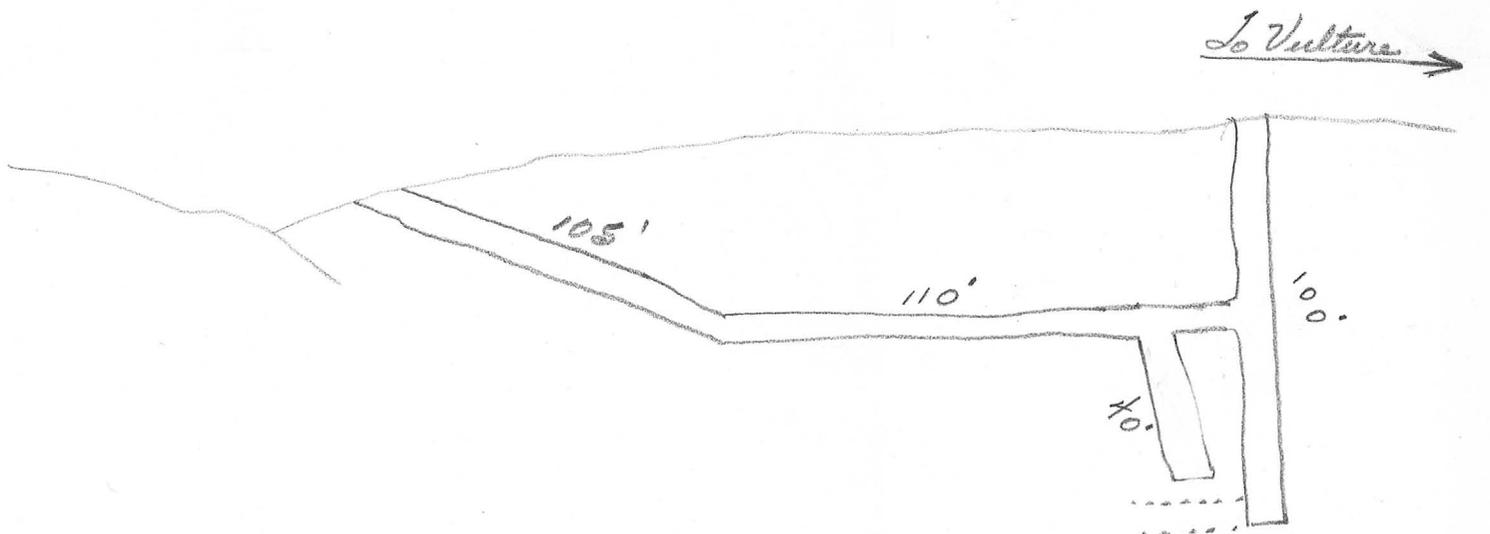
#2

and in the vein makes it worth while for some outfit to spend say \$1,500.00 in drifting under that winze. A new standard shaft has been sunk on the vein about thirty feet beyond the winze and a connection has been made between the new shaft and the drift.

As far as I am concerned any reasonable agreement will be alright. Mr. Ernest R. Dickie of Wickenburg is a partner and I think he owns most of the surrounding claims.

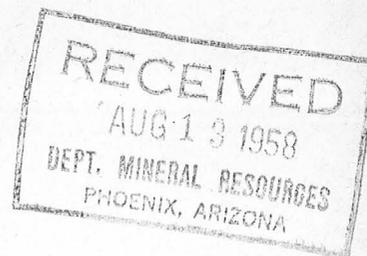
Very truly yours

J. Beale



25' or 30' drift under  
winze. Work to be done by  
Contract

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



August 5, 1958

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

Southwest Extension Mine (Maricopa County) vanadium  
(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

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REFERENCE - see V-I - A.L. Flagg vanadium reports

Southwest Extension Mine

Maricopa County

*appears Vulture*

reference: Arizona Dept. of Mineral Resources  
Southwest Extension Mine (file)

present owner:

minerals: vanadium, gold, silver, lead

history of the area:

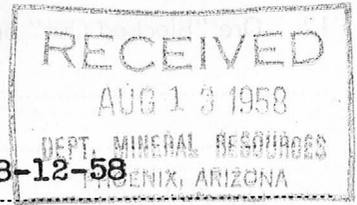
in 1940 the property was owned by C. J. Beale, W. E. Kehoe, and A. L. Blankenship of Jerome. Some development work was done and about 50 tons of shipping ore was yielded. By 1941 the property was idle due to lack of funds. In a 1958 report on the property John Beale wrote "Partners died and undersigned decided that only use for such a layout is to bury any half-witted mud-digger in, who persists in throwing his money away on any kind of a mining deal."

geology of the area:

Schist which trends E-W and dips 30-35° N; the schist is usually covered by several feet of topsoil. A vertical fracture trending NW-SE cuts the schist. The lead sulfide - lead carbonates - calcite - quartz vein averages 6 feet wide.

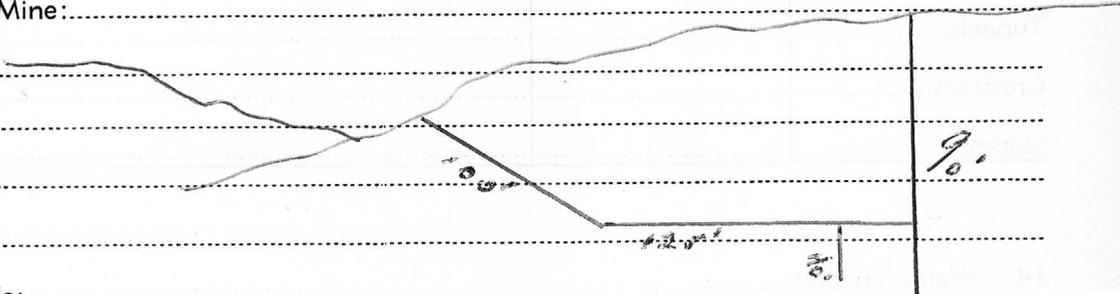
property consists of 6 unpatented claims

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



Date 8-12-58

1. Mine: .....
2. Location: Sec..... Twp..... Range..... Nearest Town..... Distance.....  
Direction..... Nearest R.R..... Distance.....  
Road Conditions.....
3. Mining District and County: .....
4. Former Name of Mine: .....
5. Owner: .....  
Address: .....
6. Operator: .....  
Address: .....
7. Principal Minerals: .....
8. Number of Claims: Lode..... Patented..... Unpatented.....  
Placer..... Patented..... Unpatented.....
9. Type of Surrounding Terrain: .....



10. Geology and Mineralization: ..... **Jerome, Arizona**  
..... **August 12, 1958**

**Gentlemen:**

The five claims known as Southwest Extension adjoin the Vulture mine. A five foot vein showed quartz (1/3) lead carbonates (1/3) and 1/3 quartzite. Considerable vanadinite was found but not in commercial quantity. If the claims ever have any value it will be in gold values. Development consists of an inclined shaft (100') a 125' drift from same. 100' from base of inclined shaft a 45' winze indicated increased values. A 90' vertical shaft was also sunk to intercept the end of the drift. Property abandoned. Partners died and undersigned decided that only use for such a layout is to bury any half-witted mud-digger in, who persists in throwing his money away on any kind of a mining deal.

11. Dimension and Value of Ore Body: .....

*Yours very truly*  
*J. Beale*  
P.O. Box "N" - Jerome, Ariz.

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective leasors or buyers.

~~NORMAN F. WYKOFF~~  
~~ATTORNEY AT LAW~~  
~~JEROME, ARIZONA~~

NOTES ON THE SOUTHWEST EXTENSION GROUP, VULTURE MINING  
DISTRICT, MARICOPA COUNTY, ARIZONA.

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The "Beale-Kehoe" property adjoining the old Vulture Mine on the southeast is very favorably located in the famous Vulture mineral zone. The Vulture, as is well known, has been one of the largest producers in the west in past years, dating from 1863 to the present. It's production is approximately \$20,000,000.00.

The Beale-Kehoe property at present stage of early development, shows a very favorable formation and mineralization, the vein is well defined and carries favorable values in gold, silver and lead. The formation and mineralization in general are similar to that in the Vulture Mine, though the lead and silver content is greater. Gold values are becoming better as shaft is extended and quartz gänge more typical of the Vulture gold ore.

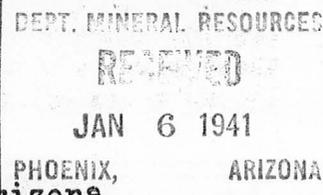
Its location of less than a mile from the Vulture operation and the general trend of the vein toward the Vulture Mine, makes this property an attractive development. The vein, from four to six feet wide, is well defined and in addition to gold silver and lead values, there is an appreciable quantity of vanadium which may also become an asset well worth considering.

The construction of another large mill on the Vulture is now completed, this to work low grade ore and also any new ore to be developed in the future. New ore development in the future will undoubtedly trend toward the Beale-Kehoe property. This fact has been established.

The Beale-Kehoe acreage is sufficient for all protective and mining purposes, title clear and no indebtedness. Conservative development is well justified and the property has merit as a potential producer without an expenditure of large capital.

(Signed) D. E. Finlayson  
Mining Engineer

(Mr. Finlayson is the President of The Vulture Mining and Milling Company)



Jerome, Arizona  
January 3, 1941

Mr. J. S. Coupal, Director  
Dept. of Mineral Resources  
Phoenix, Arizona

Dear Mr. Coupal

I have your letter of the 2nd inst with blank copy of Mine Owner's Report. These claims were listed some time ago with your office but the original report was just a general statement and I am not sure that vanadium was even mentioned. As I said in my first letter, I believe the real value of these claims will be demonstrated when the new shaft (now down 50 feet) has been sunk to around 200 feet and a drift run on the vein towards the Vulture mine. In a winze at a vertical depth of about 75 feet below surface, which was later gobbed by a former partner, we had eighteen inches of fine quartz on each wall and an eighteen inch streak of lead carbonates in the center heavily impregnated with the vanadium crystals to make it a highly colored streak.

My experience with the vanadium possibilities in our vein were not very satisfactory. Both Mr. Dan Finlayson and Mr. Cliff Murdock, Deputy State Mine Inspector, urged us to do something with the vanadium. In one of his trips to Jerome Mr. Murdock brought me a large chunk of the solid crystals and remarked that if he owned the ground he would get busy. We trucked five tons to a mill at Wickenburg and the operators later delivered about 1000 pounds of very heavy concentrates. It appeared to me to be about half lead and half vanadium crystals. I grew tired of trying to find a buyer and finally gave them to a truck driver to try his luck. Lewis W. Douglas provided me with a lot of data on vanadium but it did not appear to me that we were in shape to do anything with it at the time and nothing has since been done.

Believing as I do that we will have a good gold quartz vein with further development, I am disposed to give a liberal deal to anyone who has an idea he can make money digging vanadium ore. In other words, they can help themselves to the vanadium ore if they will at the same time develop the gold possibilities of our vein. Rather an indefinite proposal but right now I am unable to be more definite. Certainly there will be no trouble doing business with the three present owners on any reasonable basis.

Anyone desiring to visit the property should drive to the

Vulture mine and inquire for Mr. Ernest R. Dickie. He can direct anyone to the claims which are about a mile from the Vulture camp and are reached by a good road. If notified in time I should be glad to drive down and meet anyone desiring to examine the ground.

Thank you very much for your efforts and will you please file this letter as part of my report.

*and engineer's reports and maps*

Very truly yours



C. J. Beale  
Box 1204

**MINE OWNER'S REPORT**

Date **March 25, 1940**

- 1. Mine **Southwest Extension, Nos. 3-4-5-6-7-8** Location **Claims adjoin Vulture Mine on South and East.**
- 2. Mining District & County **Vulture Dist., Maricopa Co.**
- 3. Former name
- 4. Owner **C. J. Beale, W. E. Kehoe, and A. L. Blankenship** 6. Address (Owner) **C. J. Beals, Box 1204 Jerome, Arizona**
- 5. Operator 8. Address (Operator)
- 6. President, Owing Co. 9A. President, Operating Co.
- 7. Gen. Mgr. 14. Principal Minerals **See #22, Gold, Silver, Lead, Vanadium**
- 8. Mine Supt. 15. Production Rate
- 9. Mill Supt. 16. Mill: Type & Cap.
- 10. Men Employed 17. Power: Amt. & Type
- 11. Operations: Present

12. Operations: Planned **Shaft should be extended to a depth of 150 ft. and drifting then done towards Vulture mine-NW on vein.**

13. Number Claims, Title, etc. **Six-unpatented.**

14. Description: Topography & Geography **Semi-desert country. Claims partly covered by caliche conglomerate.**

15. Mine Workings: Amt. & Condition **Incline (30 degrees) 150 ft. drift from bottom of incline on vein 10 ft. near end of drift a winze of 40 ft. This winze was gobbled by a former partner who bought whiskey in place of gasoline. New shaft about 200 ft. NW of incline about fifty feet in depth.**

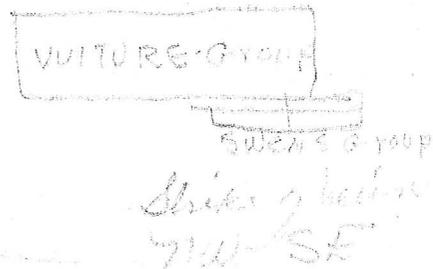
Geology & Mineralization See attached notes by Messrs. Hondrum and Finleyson.

Ore: Positive & Probable, Ore Dumps, Tailings The vein down to the drift level, a vertical depth of possibly 40-50 feet, is composed mostly of lead carbonates and some galena. About fifty tons have been shipped. The winze was sunk on the vein when several inches of quartz was about eighteen inches wide on both walls with a 1/4" center of lead ore. This quartz is always mineralized and resembles Vulture quartz. Several assays of \$10. and \$12 values at bottom of winze, gold values. The quartz appears to be replacing the lead carbonates and if the claims have any value in the future it would be in the gold values in quartz.

Mine, Mill Equipment & Flow-Sheet

Load Conditions, Route

Fine country road to Vulture mine.  
Not over half a mile of flat road from  
turnoff on county road to property.



Water Supply

Brief History



Special Problems, Reports Filed

Brief reports by Mr. Olé Hondrum, Mine Supt. of the United Verde Extension Mine, Jerome, Arizona, and Mr. Dan R. Finlayson, President of the Vulture Mining and Milling Co., Phoenix, Arizona (Attached to this report.)

Remarks

The last assessment work was performed by sinking a new standard shaft to a depth of about fifty feet, size 5x7 in clear. It is reasonable to believe that if shaft is extended to a depth of 150 ft. and some drifting done, that commercial value will be found(gold). Less than \$5,000 wisely spent will prove whether or not these claims have any merit.

property for sale: Price, terms and address to negotiate. Owners prefer to string along with anyone who will develop claims. Owners have expended between \$4,000 and \$5,000 and to anyone expending a like amount in development work, will give half interest. Anyone desiring to talk business address--C. J. Beale, Box 1204, Jerome, Arizona.

32. Signature.....(Signed).....C. J. Beale.....

See additional sheets if necessary.

Southwest. Est. 7/11/42 \$ 34567

September 29, 1942

Mr. C. J. Beale  
Box 1204  
Jerome, Arizona

Dear Mr. Beale:

Many thanks for your letter of September 26. I do know that the U. S. Vanadium Company have been doing a lot of work in the state and have examined over 200 properties and have not yet found one where the vanadium content was high enough to warrant operations. A great many properties have been submitted showing assays of one percent instead of the one percent and over represented.

This is a great disappointment to us and has been to the U. S. Vanadium Company and their conclusion is that the low vanadium content that they have found seems to indicate very clearly that the former assay-  
ing for vanadium has been greatly in error. It is also possible that the vanadium assays submitted have been from picked samples and do not represent mine run of ore.

Regarding the property you mentioned and in considering the sketch submitted it would seem as though you might possible gather together all of the information and make an application for a "C" loan. These "C" loans are strictly for making accessible old workings which cannot be sampled, either due to the mine being full of water, the shaft caved, or requiring retimbering, or, as in your case, a winze full of much. If it is possible to enter the workings and actually sample the ore exposed, the application should be made for a "B" or development loan.

Again referring to the sketch if your plans were to drift from the bottom of the vertical shaft and cut under the 40 foot winze, this would be a "B" loan application. In making application either for a "C" loan or a "B" loan it is absolutely necessary to put down in black and white all possible information so that a man sitting at a desk can make a decision. It almost requires, particularly in the case of "B" loans, a sketch map showing various assays and samples and the location of them, showing the width of ore so that a sound determination can be made by a man in Washington, and if it meets with his approval, a field investigation is then authorized. On the "C" loans it calls for submitting evidence that certain ore will be uncovered when the workings are cleared and ready for sampling.

DEPARTMENT OF MINERAL RESOURCES  
State of Arizona  
Mineral Building, Fairgrounds  
PHOENIX, ARIZONA

Reason for non-delivery:

- Moved - no address
- Unknown
- No such number
- Refused
- Unclaimed
- Deceased

Initials: R. No: 317

RETURN  
TO WRITER



*no*

Mr. C. J. Beale  
1806 West Washington  
Phoenix, Arizona

2 January 1949

*Camp*

Mr. C. J. Beale,  
Box 1204,  
Jerome, Arizona.

My dear Mr. Beale:

I thank you for your letter of December 30. I am enclosing herewith a blank mine owners report, which I should suggest that you fill out in detail and return to this office so that information may be available concerning your mining property which shows an appreciable quantity of vanadium.

Upon receipt of this report, I shall submit it to parties making inquiry for vanadium.

Assuring you of my desire to be helpful, and thanking you in advance for an early report on this property, I am

Yours very truly,

J. S. Coupal  
Director

JSC-jrf  
encl.

13 January 1941

Mr. C. J. Beale,  
Box 1204,  
Jerome, Arizona.

My dear Mr. Beale:

I thank you for your letter of January 3 in which you enclosed a mine owners report and additional reports on the Southwest Extension Nos. 3, 4, 5, 6, 7 and 8. This and report and the papers have been filed with previous report which you sent to us. However, no mention was made on the first report of an appreciable amount of vanadium content in the ore.

I shall be most pleased to call this report to the attention of anyone making inquiry for a property such as yours.

Assuring you of my desire to be helpful, and with best wishes, I am

Yours very truly,

J. S. Coupal  
Director

JSC:jrf

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

DEPT. MINERAL RESOURCES  
RECEIVED  
JAN 6 1941  
PHOENIX, ARIZONA

Date 1-3-41

1. Mine **S.-W. Ext. group of claims**
2. Location **Adjoins Vulture Mine on south and east.**
3. Mining District & County **Vulture District Maricopa County**
4. Former name **None**
5. Owner **C. J. Beale, W. E. Kehoe and A. L. Blankenship**
6. Address (Owner) **C.J. Beale, Box 1204 Jerome, Arizona**
7. Operator **Not operating**
8. Address (Operator)
9. President, Owing Co.
- 9A. President, Operating Co.
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Men Employed **None at present**
14. Apparently lead-silver carbonates  
14. Principal Minerals **from surface-gold quartz comes in at about 75' depth.**
15. Production Rate **About fifty tons of carbonates and galena shipped to date.**
16. Mill: Type & Cap.
17. Power: Amt. & Type *Approximate amount of 7 horsepower*
18. Operations: Present **A former partner shipped about fifty tons of the silver-lead ore, have no idea what he netted as he did not report.**
19. Operations: Planned **No plans at present**
20. Number Claims, Title, etc. **Five unpatented claims and fraction**
21. Description: Topography & Geography **Flat desert country with an occasional small hill**
22. Mine Workings: Amt. & Condition **105 foot incline (35 degrees) 110 foot drift from foot of incline on vein. 40 foot winze (gobbed) near end of drift. New shaft (standard size) on vein about 50 feet deep and it should break into and thru the above mentioned drift.**

NOTES ON THE SOUTHWEST EXTENSION GROUP, VULTURE MINING  
DISTRICT, MARICOPA COUNTY, STATE OF ARIZONA.

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The property consists of seven claims south of and adjoining the claims of the Vulture Mining and Milling Company. The ground is level and the property easily accessible.

The formation consists of schist belts trending east-west and dipping to the north, the dip being approximately 30-35 degrees. The schist is usually covered by a few feet of top soil.

A vertical fracture of about six feet average width cutting across the schist formation NW-SE has been filled with a gangue of calcite and quartz carrying lead sulphide and lead carbonates. The lead sulphide carries good silver values and some gold. The ore occurs in pockets along the walls which are usually well defined.

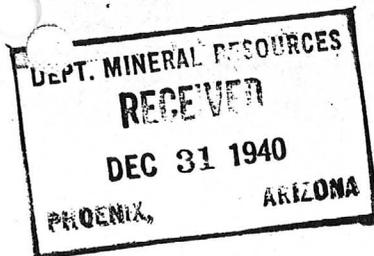
Development work consists of an incline 105 feet driven on the vein. From the bottom of the incline a drift has been run on the vein for a distance of 115 feet and a winze 40 feet in depth has been sunk from this level. This development work has yielded about ~~fifty~~ fifty tons of shipping ore.

The vein is strong and gives promise of continuing with depth. Development work in the future should consist of sinking to a lower level and drifting on the vein.

(Signed) Ole Hondrum  
Mining Engineer.

(Mr. Hondrum was formerly Mine Supt. for the United Verde Extension Mining Company of Jerome, Arizona)

COPY



Box 1204

Jerome, Arizona  
December 30, 1940

Department of Mineral Resources  
State Capitol Building  
Phoenix, Arizona

Gentlemen

Referring to the enclosed clipping. I do not have a complete report but submit the following for what it is worth:

I have five claims adjoining the Vulture mine on the SE, four claims parallel with the south Vulture line and one on the east end line. They are known as the S. W. Ext. group. My own opinion is that their value, if any, will eventually be in the gold quartz which is identical with the Vulture quartz. Development work has not been done to good advantage. A 105 foot incline at about 35 degrees and a drift of 110 feet on the vein from foot of the incline. Near the end of the drift a winze was sunk and results were very encouraging. Unfortunately this winze was gobbled by a former partner. There is also a new shaft on the vein (vertical and 5 x 7) about fifty feet in depth, not deep enough to prove anything.

I am enclosing a brief report from an engineer in which he refers to the vanadium present in the vein. Practically from the surface the yellow-bron-red crystals were always present. They coated the ore and wherever there was a crevice large enough they formed solid masses. We shipped five or six tons to a mill near Wickenburg several years ago in an endeavor to separate the vanadium from the lead-silver ore. These millmen had no idea what they were doing and the resulting concentrate meant nothing.

The vein varies from three to six feet in width. Composed mostly of spar (black) and lead carbonates with some galena streaks thruout. About fifty tons have been shipped from the claims. Very little quartz shows on the drift level but in the bottom of the winze there was from 18" to 24" of good quartz on both walls with a solid plug about 18" to 24" in the center of the lead ore and vanadium crystals.

Very truly yours

C. J. Beale

NOTES ON THE SOUTHWEST EXTENSION GROUP, VULTURE MINING DISTRICT, MARICOPA COUNTY, ARIZONA.

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The Beale-Kehoe property adjoining the old Vulture Mine on the southeast is very favorably located in the famous Vulture mineral zone. The Vulture, as is well known, has been one of the largest producers in the west in past years, dating from 1863 to the present. Its production is approximately \$20,000,000.00.

The Beale-Kehoe property at present stage of development shows a very favorable formation and mineralization, the vein is well defined and carries favorable values in gold, silver and lead. The formation and mineralization in general are similar to that in the Vulture Mine, though the lead and silver content is greater. Gold values are becoming better as shaft is extended and quartz gangue more typical of the Vulture gold ore.

Its location of less than a mile from the Vulture operation and the general trend of the vein toward the Vulture Mine, makes this property an attractive development. The vein, from four to six feet wide, is well defined and in addition to gold, silver and lead values, there is an appreciable quantity of vanadium which may also become an asset well worth considering.

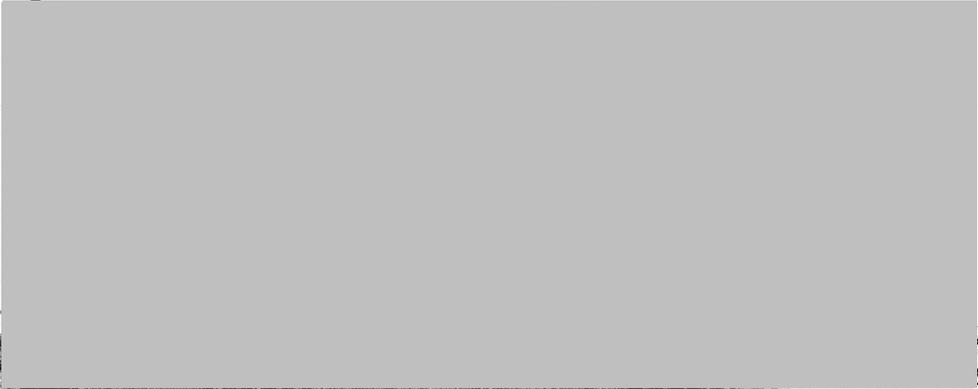
The construction of another large mill on the Vulture is now completed, this to work the low grade ore and also any new ore to be developed in the future. New ore development in the future will undoubtedly trend toward the Beale-Kehoe property. This fact has been established.

The Beale-Kehoe acreage is sufficient for all protective and mining purposes, title clear and no indebtedness. Conservative development is well justified and the property has merit as a potential producer without an expenditure of large capital.

(Signed) D. R. Finlayson  
Mining Engineer.

(Mr. Finlayson is the President of the Vulture Mining and Milling Company)

COPW



## SOUTHWEST EXTENSION

### LOCATION

The Southwest Extension group of claims is located in the Vulture Mining District, Maricopa County, Arizona and adjoins the famous Vulture mine to the south-east and is approx. 16 miles southwest of Wickenburg, Arizona, a town on the Santa Fe Railroad and Highways 60, 70 and 89.

### ROADS

The road from Wickenburg to the Vulture Mine is a well graded country road and is travelled the year round.

### CLIMATE

The climate in this part of Arizona is moderate, seldom below 32 degrees in winter but at times quite warm in summer. Rain fall will average about six inches per year.

### GEOLOGY

The Vulture lode has an east-west trend and dips about 35° to the north. The formation is of a hornblend schist, cut by massive quartz-porphry dike. The walls are a siliceous, sericitic schist and carry low values in gold and silver. The dike has been fractured allowing mineralized solutions to penetrate thereby forming numerous enriched veins of varying widths from a few inches up to 60 feet. The lode was later broken by a severe action of faulting. The vein was last lost at one of these faults in 1915 and has not actually been found since.

### POSSIBILITIES

The formation at the Southwest Extension is of the same characteristics as the Vulture. Three of the main Vulture faults are headed into the Southwest Extension claims, thereby creating the possibility of picking up the extension of the Vulture lode in the Southwestern property.

A well defined vein, four to six feet wide, is exposed in several places on the Extension ground. It is almost vertical and runs northwest toward the Vulture property. The vein carries gold and silver and lead, and is developed to the shallow depth of about one hundred feet.

### CONCLUSION

I believe the Southwest Extension property is worthy of considerable exploration work and would suggest a program of diamond core drilling to be engineered and done preparatory to any exploratory mining. The results of the drilling program would give the necessary information needed to intelligently carry out a mining and development program.

Septamebr 20, 1945

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