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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LEAD DIKE

ALTERNATE NAMES:

BROWN MONSTER
CONSTELLATION

MARICOPA COUNTY MILS NUMBER: 142A

LOCATION: TOWNSHIP 5 N RANGE 8 W SECTION 13 QUARTER SW
LATITUDE: N 33DEG 46MIN 20SEC LONGITUDE: W 113DEG 02MIN 55SEC
TOPO MAP NAME: AGUILA - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD SULFIDE
COPPER
GOLD LODE
SILVER
VANADIUM

BIBLIOGRAPHY:

ADMMR LEAD DIKE MINE FILE
ADMMR "U" FILE
FLAGG, A.L. BOOK I-VANADIUM REPORT

Amended
WESTERN ARIZONA METAL, INC. (Ed. T. Webb, Pres. & Mgr.) 10-15-48
Aguila, Ariz. (A. K. Thomas, Oper.)

LEAD DYKE MINE, Maricopa County
OWNER- Dempsey B. Powell, Aguila, Ariz.

11-12-48

✓
*BROWN MONSTER MINING CLAIMS
(OLD LEAD DYKE MINE)

MARICOPA COUNTY

ONE (1) MAP

✓
SILVER & LEAD ORE

* So far as can be determined
by Harry Irwin with the help
of maps + other files, this is the
Old Lead Dyke mine

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine *Lead Dike*

Date *Aug 4, 1975*

District *Big Horn or possibly Vulture*

Engineer *Ker A. Phillips*

Subject: *Evaluation*

Information from Ralph Starr:

Ralph Starr, 2700 Chevy Chase, Glendale, California is investigating the property for the owner Julie Powell of Aquila with the hope of starting an operation. Julie Powell is the daughter of the previous owner, her father Dempsey Powell.

Ralph Starr has checked the first 60 feet of the vein exposed in a shaft reported to be 300 feet deep with a mineral light which shows extensive fluorescent zinc carbonate (hydrozincite). The vein is reportedly 4-15 feet wide. Sulphide are reported a greater depth.

References. See previous reports by A. C. Nebeker

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Western Arizona Metal Inc

Date Oct 15th, 1948.

District Vulture

Engineer A. C. Nebeker

Subject: Operations;

The Western Arizona Metal Inc. is working the Old Lead Dyke which was owned by Dempsey Powell of Aguila.

Mr Ed. T. Webb is president and manager and Mr A. K. Thomas is in charge of operations at the mine.

The property is 17 miles southeast of Aguila and is served by a good bladed road.

The formation is granite with small widths of schists, which are cut by a quartz porphyry dike which crosses the property for $\frac{1}{4}$ mile or more along which the lead ores make.

The outcrop is very prominent at the shaft and is about 10 feet wide. Both lead carbonite and sulphide appears at the surface

A shaft was started in the outcrop and followed the vein down at a dip of 80 degrees for 160 feet, from this work much solid galena boulders of several hundred pounds were taken out as well as some carbonite lead. They were still in the process of sinking and expect to go to the 200 level before drifting out on the vein.

They have a nice camp consisting of five cabins and a boarding house, so the men can stay on the property.

They are equiped with ahoist, compressor, air fan, drills etc.

A crew of 15 to 18 men are employed and three shifts are worked in the shaft.

A.C.N.

DEPARTMENT OF MINERAL RESOURCES

FIELD ENGINEERS REPORT

Date February 10, 1943

Engineer A. C. Nebeker

Location: Prescott, Arizona.

Owner: D. B. Powell

Operator: Same

Men Employed: Self.

Power: Amt. & Type: Hand.

Operations Planned: Plans to clean out and timber the present shaft, which is about 25 feet deep. After the shaft is cleaned out and made safe, the shaft will be deepened and the vein cross cut, and drifts run along the vein, to explore the mineralization showing.

Description: Topog. & Geog. The property is 18 miles south east of Aguila, Arizona, in the Culture District. The topography is gentle with shallow washes and rolling hills.

There is some muck in the 25 foot shaft, all other workings are accessible.

Ore: Positive & Probable, Ore Dumps, Tailings: There is no ore blocked out, very little ore on the dump. It is reported that some ore has been shipped from these claims. I saw some assay certificates which were from ore bought by Hawley & Hawley of Douglas which ran, Au. .01, Ag. 9.9 oz., Cu .24%, Pb. 31.5%.

A cut from 4 feet in shaft gave 12.1% lead, one car load shipped gave 66% lead, so reported.

Mine, Mill Equipment & Flow Sheet: The equipment on hand 2 drill compressor complete 600 ft. 1" pipe, 200 ft. $\frac{1}{2}$ " pipe $1\frac{1}{2}$ ton truck, 300 ft. 8# mine rails, Trailer house and shop tools.

Road Conditions, Route: The road is good all the way from Aguila.

Water Supply: Would be developed by wells, or hauled from Aguila.

Brief History: All the history there is. Mr. Powell has held this property for the past 17 years, and has worked enough to keep title in good standing.

Remarks: The lead values in the vein may disappear with depth and copper ores take its place.

The vanadium showing should be prospected some more.

If property for sale: Price, terms and address to negotiate: The owner is looking for help in developing the property.

(Signed) A. C. NEBEKER

Geology & Mineralization

The formation is granodiorite with a quartz vein cutting the formation through the three claims from end to end. The mineralization in the vein is iron, managanese, lead carbonate, some galena, and in places copper carbonate. On claim NO 2 along with the lead is a nice seam of vanadium exposed. One vein strikes N 20 W, dip 72 N.E. another vein Strikes N.W. 10 and dips SW55 W

Ore: Positive & Probable, Ore Dumps, Tailings

There is no ore blocked out, very little ore on the dump. It is reported that some ore has been shipped from these claims. I saw some assay certificates which was from ore bought by Hawley & Hawley of Douglas which ran, Au .01 Ag. 9.9 Oz, Cu .24% Pb. 31.5 % A cut fro 4 feet in shaft gave 12.1% lead, one car load shipped gave 66% lead, so report ed

Mine, Mill Equipment & Flow Sheet

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Road Conditions, Route The road is good all the way from Aguila.

Water Supply

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Brief History

All the history there is. Mr Powell has held this property for the past 17 years, and has worked enough to keep title in good standing

Special Problems, Reports Filed

Remarks

The lead values in the vein may disappear with depth and copper ores take its place.

The Vanadium showing should be prospected some more.

If property for sale: Price, terms and address to negotiate. The owner is looking for help in developing the property.

Signed

A. C. Nebeker

Use additional sheets if necessary. Separate sheets on each problem.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Name LEAD DIKE, Pb., Cu. Date April 15, 1943
District Vulture Engineer Earl F. Hastings
Subject: Reconstruction Finance Corporation
Mining Loan. ✓

Docket No. Phoenix C-182
Date Application Received April 12, 1943
Date of Field Examination A. C. Nebaker February 10, 1943
Date of Report April 14, 1943

1. Name and address of applicant (correspondent):
Dampsey B. Powell, Aguila, Arizona.
2. Character of project and estimated cost thereof:
Pb., Cu. Clean out 25 ft. shaft, sink a new shaft on the same vein and explore at greater depth. \$3,723.04.
3. Location of property:
Vulture Mining District, Maricopa County, Arizona.
4. Applicant's interest in or ownership of property:
Applicant is owner by location and quit claim.
5. Loan requested:
\$5000.00.
6. Loan recommended:
None.
7. Comments:
(A) Enclosed is copy of Mine Owner's Report Form filed by the applicant with this Department August 19, 1942.

(B) The A. C. Nebaker report recites some of the physical aspects of the property but does not indicate that it is worthy of a great deal of consideration; absence of optimism, except in the mention of a vanadium exposure, is not usually so noticeable in a Nebaker report.

(C) The property is little more than a prospect, such development as has been accomplished is widely scattered and unproven in relationship. The work proposed by the applicant is purely exploratory and in an area of obscure historical background and little current information. It is considered that this combination of information is too limited to substantiate recommendation of a loan.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings
Projects Engineer

March 2, 1943

Mr. D. B. Powell
Aguila, Arizona

Dear Mr. Powell:

Your letter of February 26 to A. C. Nebaker has been referred to me for my attention. Mr. Nebaker has left the Department and is now with the War Production Board.

I am sorry that I am unable tell you the status of your loan on the Lead Dike claims but if you have received no forms and have filled out no applications, then it will be necessary for you to write to the R. F. C. Mine Loan Division, 325 Heard Building, Phoenix, Arizona and ask them to furnish you the blanks for "Application for a mine loan."

When you receive these application blanks they should be filled out as per instructions and complete detailed information sent to the R.F.C. office along with sketches, maps and assays, making sure that on all assays you spot on the sketch map where the samples were taken and indicate the width of the vein for each sample.

Very truly yours,

J. S. Coupal, Director

JSCIBA

Aguila, Arizona, Feb. 26, 1943

Mr. A. C. Nebeker,
Dept. of Mineral Resources,
Phoenix, Arizona

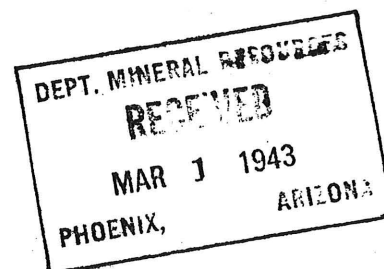
Dear Mr. Nebeker:-

What is the status of my loan on the Lead Dike claims? I have received no forms from you to fill out. Can you furnish them or shall I make other application for them?

Please give me such information as you have.

Yours very truly,

D B Powell



September 15, 1942

MEMORANDUM

TO: A. C. Nebeker

FROM: Earl F. Hastings

We have a letter from Mr. G. W. Fiske of Aguila, who states that you inspected his Copper Chief and his Lead Dyke claims and asked for a copy of your report.

We find the report on the Copper Chief and also some reference to the Lead Dyke report, however, are unable to find the report on the latter.

If you have a copy in your own file would you please send it to us?

August 27, 1942

Mr. G. W. Fiske
Aguila, Arizona

My dear Mr. Fiske:

I am enclosing herewith a copy of mine owner's report
filed with this department covering the LEAD DIKE MINE
in the Vulture Mining District, Maricopa County.

I shall be glad to submit this report to 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

JSC:hal

Enclosure

August 22, 1942

Mr. G. W. Fiske
Aguila, Arizona

Dear Mr. Fiske:

Many thanks for your letter of August 19 with the enclosed mine owner's report on the Lead Dike Mine. We will place this in our files and be glad to call it to the attention of any inquirers who may be interested in such a property as yours.

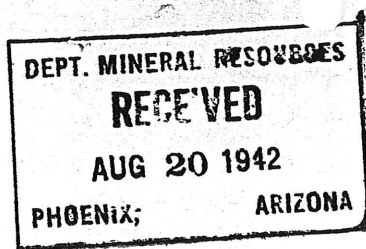
I notice you mention Vanadium as one of the principal minerals. If there is an appreciable amount of Vanadium in your ore and you know definitely by proper assays that $\frac{1}{2}$ of one per cent or V_2O_5 occurs in your ore, I suggest that you contact G. Donald Emigh, U. S. Vanadium Corporation, 68 West Congress Street, Tucson, Arizona and give him all particulars.

With best wishes and kindest regards, I am

Very truly yours,

J. S. Coupal,
Director

JSC:hal



Aguila, Ariz., Aug. 19, 1942

Department of Mineral Resources,

Phoenix, Arizona

Gentlemen:-

We are enclosing herewith Mine Owners Report on our Lead Dike claims which we wish you to put on file. We believe these are excellent prospects. Galena shows on two of the claims.

Mr. Nebeker inspected these claims when he was here.

Yours very truly,

Powell & Fiske

By

G. W. Fiske

ML 58

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

Date August 19, 1942

- | | | | |
|--------------------------------|-----------------------|-----------------------------|------------------------|
| 1. Mine | Lead Dike | Location | Aguila, Arizona |
| 3. Mining Dist. & County | Vulture, | | |
| | Maricopa County | | |
| 4. Former name | | | |
| 5. Owner | Powell & Fiske | 6. Address (Owner) | Aguila, Arizona |
| 7. Operator | | 8. Address (Operator) | |
| 9. President, owning co. | | 9A President, Operating Co. | |
| 10. Gen Mgr. | | 14. Principal Minerals: | Lead, vanadium
zinc |
| 11. Mine Supt. | | 15. Production rate | |
| 12. Mill Supt. | | 16. Mill: Type & Cap. | |
| 13. Men Employed | None | 17. Power: Amt. & Type | |
| 18. Operations: | Present | None | |
| 19. Operations: | Planned | None | |
| 20. Number Claims, Title, etc. | 5 claims, clear title | | |

Description: Topography & Geography Rolling country. No hills. Location
18 miles south of Aguila near highway 93.

22. Mine Workings: Amt. & Condition 30 ft. shaft and several cuts.

23. Geology & Mineralization Galena, Cerrusite, Vanadanite

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

24A Dimensions and Value of Ore body 4 foot vein in bottom of 30 ft. shaft, large cerrustie assays 12.1% lead. In 1919 one carload of galena was taken from this shaft just above this 4 ft. vein, by a lessor. A 24 inch vein on claim No. 4 assayed 6.2 oz. silver

25. Mine, Mill Equipment & Flow-Sheet

26. Road conditions, Route Highway 93 is good bladed road $15\frac{1}{2}$ miles, then $2\frac{1}{2}$ miles good hard practically level road to claims.

27. Water Supply Wells $2\frac{1}{2}$ miles from claims, which are 240 ft. deep have never failed to supply ample water. Probably less depth required at the claims.

28. Brief History The one claims with the shaft is the only one which has been worked. It was leased in 1919

29. Special Problems, Reports Filed

30. Remarks There is about 200 tons waste on the dump. For general information this was sampled and assayed and gave 3.8% lead and 3.6% zinc. This is the only zinc assay that has ever had. If the shaft was retimbered the mine could go on production at once.

31. If property for sale: Price, terms and address to negotiate. Wish to lease on a 10% straight royalty. \$500.00 down as advance royalty - same to be recovered by lessor.

32. Signature G. W. Fiske

Lead Dike Mine
Aguila 15'
Maricopa County.

Sec. 13, T. 5N, R. 8W.

reference: Arizona Dept. of Mineral Resources
Lead Dike Mine Maricopa County (file)

present owner: Julie Powell of Aguila

history of the mine:

the property was first leased in 1919.
In 1942 the property was owned by
Powell and Fiske but was not active
at that time. Some previous work on one
of the claims with the shaft. In 1948
Western Arizona Metals company
began working the property. A shipping
grade of \$80 a ton for the ore
was reported. High-grade ore of
\$400 to \$500 per ton was also found.

Operations shut down in the late 1940's
or early 1950's. In 1975 the property was
investigated for Julie Powell who had hopes
of starting operation. Hydrozincite was
found in a 4 to 10 foot vein.

minerals: lead

geology: granite with small widths of schist,
which are cut by a quartz porphyry dike
which crosses the property for 1/4 mile.

several shafts on property

5 claims