



CONTACT INFORMATION

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05/19/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: JUDGE MINE

ALTERNATE NAMES:

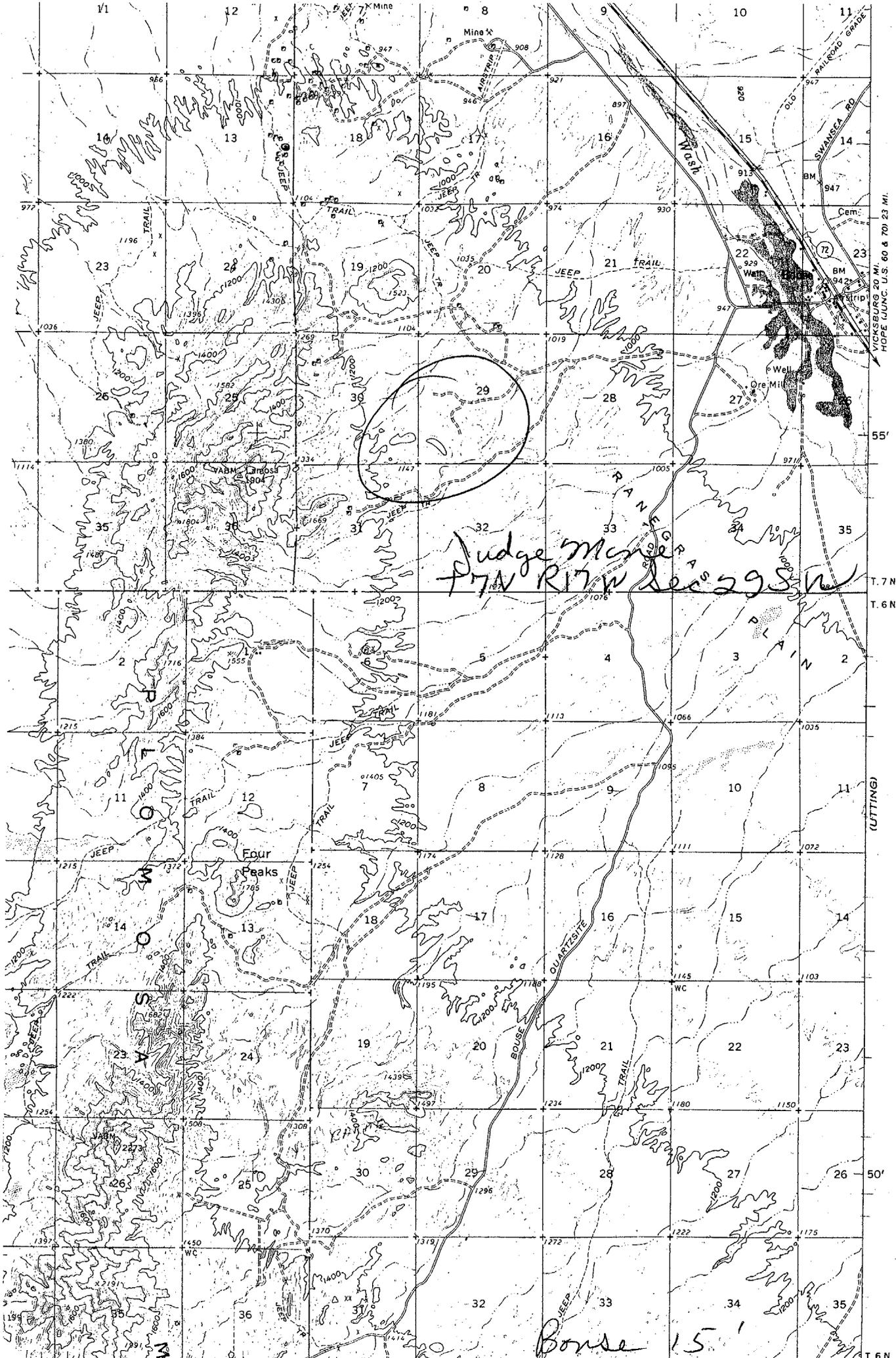
LA PAZ COUNTY MILS NUMBER: 817

LOCATION: TOWNSHIP 7 N RANGE 17 W SECTION 29 QUARTER SW
LATITUDE: N 34DEG 00MIN SEC LONGITUDE: W 114DEG 00MIN SEC
TOPO MAP NAME: BOUSE - 15 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:
BARIUM

BIBLIOGRAPHY:
ADMMR JUDGE MINE FILE



VICKSBURG 20 MI.
HOPE (UNCL. U.S. 60 & 70) 23 MI.

T. 7 N.
T. 6 N.

(LITTING)

50'

T. 6 N.

Judge Menger
T7N R17W Sec 29 SW

Bonse 15'

(19)

A

REPORT ON THE JUDGE MINE

The Judge Mine - a barite property belonging to John Curtis and Judge John Bellus of Bouse, Arizona.

The property lies 4 miles south of Bouse, a station on the Santa Fe Railroad, 136 miles northwest of Phoenix.

The country is a low rolling lime formation, badly decomposed and colored with iron. The elevation is slightly higher than Bouse and the water level at this point would probably be 500 feet.

The barite vein is easterly by westerly and the dip of the vein is about 50 to the north. About 200 feet has been exposed to a depth in places of 15 feet carrying a width throughout of 4 feet. The vein can be seen and followed both to the east and the west for a considerable distance but no work done. The hanging wall of the vein is full of veinlets of barite for as much as 100 feet from the vein. The vein matter shows in places very red owing to the hematite content but in places the barite is white which would lead me to believe that at some depth the iron would fade out.

This property I think will be a big producer at a very cheap cost.



E. H. SWEENEY

March 31, 1945

7-18-45
7-18-45

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Judge Mine

Date March 30, 1945

District Yuma County

Engineer A. C. Nebeker *ACN*

Subject:

Name of Mine: Judge Mine, consisting of one lode claim, located 4 miles southwest of Bouse, Arizona.

Owners: S. J. Curtis and John Bellus whose address is Bouse, Arizona.

Roads: To reach the property take the Quartzsite road out of Bouse for about 1/2 mile and turn to the right on a bladed road which follow 2 miles and then turn left on a faint road which follows a wash to the property.

Topography - Geology: The topography is made up mostly of low rolling limestone hills, cut by shallow washes. The limestone weathers brown and in places almost black due to the included iron.

Mineral: The mineral mined is Barite (Barium sulphate) and three car loads have been shipped with average specific gravity of 4.2 and carries a rather high iron content in most of the barite.

Veins: The barite makes in fissure veins with limestone wall. Number one vein, the one on which 125 feet of trenching and a small amount of stoping has been done, has a N-W strike with a 50° NE dip and has an average width of 4 ft. The deepest work on this vein is 15 ft. and barite still shows in the bottom.

At the north end of No. 1 vein, the mineralization turns about 40 degrees to the north and the barite fills what appears to be an intersecting fissure with a width of 12 inches to 24 inches with a dip of 60 degrees east. We will call this No. 2 fissure.

Out in the formation 50 ft. to 100 ft. away from the No. 1 and No. 2 fissures there are a great number of barite croppings. These croppings appear to be fillings in formation weakness rather than in fissures.

Development: On No. 1 fissure there is a trench along the strike for approximately 125 feet and in barite all the way. Two places in the trench the vein was stoped in a small way and sunk on for approximately 15 feet, and also a surface pit was dug.

On No. 2 fissure a short cross cut with a 15 ft. shaft in barite was made. From the shaft the barite spread out in the lime in finger fashion between the beds.

Equipment: There is no equipment on the property.

Tonnage: Due to the lack of development work an estimate of probable tonnage is a mere guess. The fissures being short and the vein with average thickness of 4 ft., the barite may go to the 100 ft. level or deeper, in which case

there is a probable tonnage of 6,000 tons on vein No. 1. Favorable development would add much more tonnage along vein No. 2.

Marketing: Crude barite is usually sold on a penalty premium system, considering 95% BaSO_4 and 1% Fe_2O_3 as par, which means the mineral must be practically free of impurities, but for mudding in oil well drilling iron content and color is not so important as weight.

The price varies in different producing areas. In 1942 the average price F.O.B. mines in United States was \$6.22 per ton. In the same year the average price for ground barite was \$20.20 - 66% used for well drilling mud which was protected by patent right, which has expired, so an open market now prevails.

The price now, F.O.B. mines Missouri, for 93% to 94% BaSO_4 is \$8.25 to \$8.50 per short ton. The California market, due to freight rates, may be the most favored market for the Judge Mine and should be investigated. Name of buyers can be furnished by the Department of Mineral Resources, Home Builders Building, Phoenix.

Recommendation: Get two or three average samples of about 50 pounds and send to separate possible buyers to get their price F.O.B. mine or rail point. If price offered is \$6.50 per ton or better, it should allow a margin of profit. Then it would be well to put down a few drill holes to test at deeper depth so more accurate estimate of tonnage available can be made. If tonnage and price prove favorable, I would then put on the necessary equipment and go to mining.

Older

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

October 21, 1958

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

JUDGE MINE (YUMA COUNTY)
(Property)

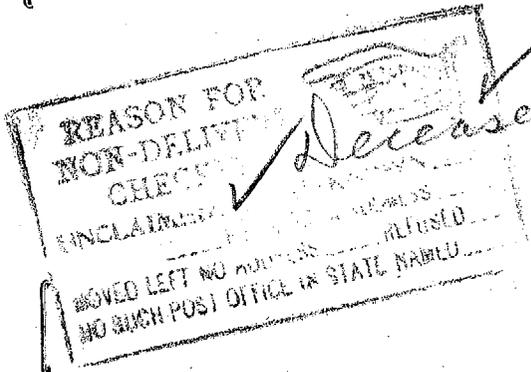
barite
(ore)

property which we would like to have

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



complete detail
shipment returns
t interest a



Mr. S. J. Curtis
Bouse
Arizona

P. Knight
P. KNIGHT,
Cor.

Enc: Mine Owner's Report

RA

Mineral Building, Fairgrounds
PHOENIX, ARIZONA



REASON FOR NON-DELIVERY CHECKED	
UNCLAIMED	UNKNOWN
FOR BETTER ADDRESS	
MOVED LEFT NO ADDRESS	RETURNED
NO SUCH POST OFFICE IN STATE NAMED	

Received

~~Mr. John Bellus~~

~~Bouse, Arizona~~

JUDGE MINE
(Property)

BARITE
(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

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

February 24, 1958

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

JUDGE MINE
(Property)

BARITE
(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

May 7, 1945

Mr. E. H. Sweeney
Phoenix, Arizona

Dear Ed:

In regard to the Curtis barite mine south of Bouse this property appeared to have the makings of a good producer.

There is a trench about 125 feet long on the main vein showing four feet wide of solid barite. The vein extends a considerable distance beyond this trench but has not been explored. There are several smaller parallel veins in hanging wall that have not been explored.

The barite is iron stained which might interfere with its use for some purposes but it is quite possible that this iron would disappear with depth.

Barite deposits often play out when the water level is reached and one of the excellent features of this property is that it is at least 500 feet to water level.

Altogether the property seems well worthy of investigation and a reasonable drilling program might provide the quickest and cheapest answer.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP

(12)

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March 31, 1945