

CONTACT INFORMATION

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: JUNIPER FLATS AREA MINES

ALTERNATE NAMES:

HANCOCK-DALY SURE THING BISBEE GOLD HILL

COCHISE COUNTY MILS NUMBER: 278

LOCATION: TOWNSHIP 22 S RANGE 23 E SECTION 25 QUARTER C LATITUDE: N 31DEG 29MIN 18SEC LONGITUDE: W 109DEG 57MIN 28SEC

TOPO MAP NAME: BISBEE - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

STONE DIMENSION

LEAD

GOLD LODE

SILVER

SILICON SMELTER FLUX

COPPER

BIBLIOGRAPHY:

KEITH, S.B.1973, "INDEX OF MNG PROP. IN COCHISE CTY." AZBM BULL. 187, P. 88

ADMMR JUNIPER FLATS AREA MINES FILE

RRB WR 2/13/81: Don Goodwin, 2852 West Vermont, Phoenix, Arizona 85017, phone 242-3949, came in to check the Bisbee Gold Hill file. He and his partner, R.E. Lindstrom, 5648 N. 40th Street, Paradise Valley, phone 955-5456, own two patented claims - Surething 1 & 2 - of group. The rest were unpatented and they had not kept them up or refiled on them. Traded Mr. Goodwin a copy of a report in our files for copies of maps that he had.

Lowell, Ariz., Sept. 18, 1937

Mr. J. B. North Warren, Arizona

Dear Mr. North:

I hereby report my observations on the property owned by the Bisbee Gold Hill Production company, on which you and I spent three days in making examinations and inspection. We are indebted to Mr. A. J. Pidgeon for such information in regards to History, Titles and Information of the surrounding district.

LOCATION

The Bisbee Gold Hill Production company properties are located in the northwestern part of the Bisbee Warren district, known as the Warren Mining district, and situated about two miles north of the city of Bisbee. On the southside, the property is traversed by Highway No. 80, known as the Broadway of America. On the east end a good road has been built at considerable expense and connects with the main highway at top of the divide, going on up to the top of the mountain, where with about a quarter mile more work the road will be in excellent condition direct to the mine. As it now is cars or trucks can go right to the workings. The Southern Pacific railroad, which comes into Bisbee, affords transportation to smelter at Douglas, Arizona, or to El Paso, Texas, where are located general custom plants for any and all kinds of ores. Transportation by truck or railroad, direct to smelters, is one of the main features connected with the property.

PROPERTY

This group of claims, as shown by Mr. Pidgeon, President of the company, and titles that we examined, consists of nine full claims (600 x 1500) of 20 acres each, with a mill site adjoining the west end claims and right on Highway No. 80. The claims are as follows: Sure Thing 1 & 2, Sunday claim, Monday claim, Juniper Nos. 1 to 3, Spire No. 1, Protection No. 1 and Sure Thing are mill site. These claims are all contiguous and title in good standing and shown by abstract covering the property.

HISTORY

The originals were located by a Mr. Cliver Zane on March 15, 1907 and relocated again by Mr. Zane and Truax on Sept. 22, 1913. According to reports here, considerable ore was mined and shipped by Zane and Truax who installed a two stamp mill on top of the hill, also one down on the gulch to which they used to pack the ore to the mill by burros. These plants were operated with nominal success, but the very high grade ore was shipped from the properties by the owners and leasers. Zane died, as understood, on the property. Truax tried to go ahead, got in debt and lost the property to a Mrs. Mary Boston who deeded her interest to the above mentioned company, together with Mr. Pidgeon and Steve Roemer who owned five claims and mill site adjoining the Boston claims.

Sure Thing claims and Sunday and Monday claims and who deeded their claims to the company.

TOPOGRAPHY AND DRAINAGE

The property is situated on the southern slope of mule mountain which has an elevation of 7500 feet above sea level. During the winter months snow falls but does not last long, so that it would not interfere with continuous operation. Considerable rain falls during the rainy season. A dam could be built in the canyon below the workings to supply the mill with continuous operation. The run off from the summer rains are quite

heavy on top of these mountains, but sufficient water can be developed by drilling a well on the mill site in Tombstone Canyon, below the workings, for any size mill for year around operation. This property has the advantage over many properties in the way of climate, in which there is very little winter snow to contend with and being close to railroad and highway transportation no great amount of money will have to be expended for upkeep of road.

GEOLOGY

We investigated the vein for some six thousand feet, through it shows strong with bold outcrop the entire length of seven full claims, continuous without fault with a strike of east about 20 degrees north and west, 20 degrees south with a northerly dip of 85 degrees. This property is located in a district where the geology needs little explaining because untold millions have been mined and milled from this district and not all has been copper as gold and silver contents have made up a substantial part of the production values. The formation consists of rhyolite, andesite, quartzite, lime and porphyry, with ore in quartzite, The values are deciminated throughout the ore bodies being enriched by numerous ledges running parallel to the ore body, from a few inches to 20 feet in width.

Along the strike of the vein, where most of the development has been done and within a length of over 1500 feet the vein will average better than 10 feet over all with a strong six feet of what may be termed pay streaks in the center of the vein proper, with the vein in many places along the entire outcrop showing better than from 10 to 20 feet in width, with ample ore developed to keep a hundred ton mill in continuous operation indefinitely. There are five shafts along the strike of about 2000 feet ranging from 25 feet deep to about 2000 feet deep that shows the ore conclusive and equal in grade or the western end of the property where the vein shows up and across the main highway No. 80 and across Tombstone canyon, some 1500 feet below the vein. On the west end, where the vein stands up over 100 feet high, it shows a face of better than 25 feet across and with several parallel veins from 1 foot to 6 feet wide, all treding on up and into the main fissure on top of the hill. It is at the place of outcrop, where the vein stands out so prominent that a proposed tunnel will be driven in on the vein and below the present workings, this will make the cost in operation and production at a much lower cost.

DEVELOPMENT AND PRODUCTION

There has been considerable work done in a more or less haphazard fashion in the past, making in all around 2000 feet of open cuts, shafts and drifts. The shafts have crosscuts and winzes from which considerable ore was mined, that made up the production from this property. From inquiry there seems to have been mined, milled and shipped ore valued at around \$200,000 from the many pannings I made, all of which showed free gold in the pan. I would consider the above amounts not at all exaggerated. There is on the dumps several thousand tons of ore that pans free gold, which convinces me that they must have had high grade ore to have left the dumps showing free gold in the pan. These dumps have, so I understand, been there for a number of years and still carry good milling values.

METALLURGY AND PETROGRAPHY

There seems to be several different classes of ore that will need different treatment, as shown in the accompanying flow sheet. The ore containing the copper carbonates and copper borate, in considerable amounts, should be sorted out and shipped direct to smelter. The major part of the ore in free gold and the silver in the form of silver sulphides which is readily amenable to our porposed flowsheet, the lead silver gold ore that is in the form of galena is made into a flotation and table concentrates which will be readily marketed at the smelters, at the market price of the contained metals. The ore is of medium hardness in which any mill will grind to its rated capacity and

will present no metallurgical problems as the water is good for such purposes.

Recommendations of Future Developments

- 1st. Raise and deposit with company treasury enough money to carry out program listed below. The amount necessary will be \$40,000.00.
- 2nd. Install hoist and sinking equipment, complete road under way so that the machinery can be placed in shaft. Start sinking shaft and producing ore for shipment while the work listed below is being carried on this providing an income for expenses.
- 3rd. Purchase assay equipment to determine the progress of development and grade of ore shipped.
- 4th. Buy and install mill of 100 tons capacity per 24 hours, while above work is being carried on. Also determine whether it is cheaper to purchase power from the Arizona Edison Power Company or install electric plant. Make this mill a unit so that other units can be installed at a later date as the ore is developed.
- 5th Build up organization with seven directors and employ one engineer that is qualified to assay, do mine surveying and mill construction. Make this person responsible to directors, with work well planned in advance and work carefully budgeted.
- 6th Complete patents on the Sure Thing claims, as has been started. First survey new filed with the U. S. Patent Office.

Mr. J. R. North

I can fully recommend this property in my capacity as an Engineer to the above line of development and fully believe that this ore will mill better than \$6.00 per ton, taking it as it comes without sorting.

Samples taken by J. B. North and N. S. Parker
Assay Report
Shattuck Denn Mining Corporation

Bisbee, Ariz., Sept. 17, 1937

Description	Lot No.	Gold Value	Silver Value	Lead Value	Total Value
North North North North North	1 2 3 4 5	\$ 2.80 81.20 2.10 9.80 5.60	\$ 0.90 3.22 0.30 7.87 7.20	\$33.00	\$ 3.70 84.42 2.40 17.67 45.80
Gold at \$35.0 Silver @ 0.77			otal Value samples averaged		\$153.99 30.79

Assayer

Signed H. R. Hendricks

I hereby submit this report with all above recommendations and hope to be of service to you at a later date, I remain

Yours very truly,

(Signed) N. S. Parker, M.M.F.
2301 Fifteenth Street
Denver, Colo.

COST

PROPOSED MILL & DEVELOPMENT WORK ON SURE THING MINING CLAIMS

6 x 7 Ball Mill, Marcy type 54 inch Akins Classifier 12" x 14" Universal Jaw crusher 6' x 88' copper plates 68' x 14' Apron Ore feeder 8 Cells Winneg Sub Flotation 1 Wilfley Table 7 x 14" 1 Dorr Thickener 8' x 12' 1 Krough Pump 2" (return) Electric Motor Mill Building Wiring, Cement, etc. Compressor 9" x 14" Hoist Pump and Pipes Assay Office Office etc. Road Work Mill Erection 33 34 35 36 37 38 38 38 38 38 38 38 38 38	3,000.00 3,000.00 700.00 75.00 200.00 900.00 800.00 75.00 1,000.00 2,000.00 2,000.00 2,000.00 2,000.00 800.00 500.00 800.00 800.00 800.00
Total \$30	,250.00

(signed) N.S. Parker, E.M., 2301 15th St., Denver, Colo.

MOTZ ENGINEERING COMPANY

Certificate of Assay

Bisbee, Arizona

July 6,7, 1935

W. R. Nichols Samples submitted to us for assay, contain

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C	•	0.36		12.60		8.6	•	5.93	:	5.3		9.54						28.07
D	•	0.18	0	6.30	•	1.2	:	0.83			0				0			7.13
E	:	0.36	•	12.60		2.6	0	1.82	:		0		0				•	14.42
F		0.44		15.40		8.5		5.95		0.3		0.48	0	5.7		4.67		26.40
G		0.55		1.73	9	67.1	0	46.97		2.1		3.36	0	61.6	•	30.51	•	102.59
H	:	0.28		9.80	•	1.9		1.33			9				0		•	11.13
T		0.48		16.80		11.8	•	8.26	9	1.7	0	2.72		8.6	0	7.05	•	34.83
J	:	0.29		10.15		13.6	:	9.52		4.3					0	13.28	0	39.83
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Aver	age	(1)		10.86		(.10)		8.55		(6)		\$4.11		(4)		18.88		\$28.89

MOTZ ENGINEERING CO.

By Ralph L. Motz

DEPARTMENT OF MINERAL RESOURCES - Field Engineer's Report

Analysis of some of the rock from Juniper property - Sure Thing claims - Beddome

COPY

Date	Gold	Silver	Copper	Insol.	Silica	Iron	Lime	Zinc	Sulph.	Alum	As	Sb
12.41	.365	.6	.02	78.0	71.4	3.9	6.4	.1	•5	5.8	.17	•3
7.41	1.64	1.9	.03	77.8	73.6	4.5	5.6	.1	•5	3.7	•50	•2
7.41	•77	1.0	.04	81.8	78.8	3.4	4.7	.1	.8	3.0	.25	
1.42	• 30	1.0	.02	83.4	79.8	3.6	4.7	.1	•5	3.2	.25	.1
7.40	•44	1.5	.06	92.2								
8.40	•66	1.04	tr.		85.6	3.1	4.3		1.0	2.0		

There are many other samples, have some indicating good quality of lead from 16.3 up to 61.0% and copper indications from 5.4 to 45.0%. Also vanadium and manganese. Some indications of tungsten and barium. One sample had titanium.

MOTZ ENGINEERING COMPANY

Certificate of Assay

Bisbee, Arizona

July 6,7, 1935

W. R. Nichols

Samples submitted to us for assay, contain

				Gold		S	11	ver		Co	ומנ	per	e	, 1	L	ead	×	Total
www.ek.standow.sudecombron	7	Oz	:	Value	0	0z	:	Value	;		2	Value	*		;	Value	:	Value
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ples	;	Ton	:	Ton	:	Ton	:	Ton		Cent	•	Ton		Cent		Ton	*	Ton
											-	L.		-				
A	:	0.24	:	8.40	*	2.8	2	\$1.93	9	0.8	1	\$1.44	2				1	\$11.77
B		0.28	:	9.80	:	4.3	2	2.97	:		•		0		9		u •	12.77
C	:	0.36	:	12,60	•	8.6	1	5.93	:	5.3	*	9.54	\$		*		2	28.07
$\mathbf{D}_{\mathbf{p}}$:	0.18	:	6.30	2	1.2	:	0.83	:		*		4		b		:	7.13
E	5	0.36	:	12.60		2.6	*	1.82			\$					120	Z	14.42
F	*	0.44	*	15.40	:	8.5	:	5.95	2	0.3	•	0.48		5.7	2	4.67		26.40
G	:	0.55	*	1.73	:	67.1	:	46.97	2	2.1	\$	3.36		61.6	•	30.51	:	102.59
H	:	0.28		9.80	:	1.9	•	1.33	*		*				:		•	11.13
I	0	0.48	-	16.80	\$	11.8	:	8.26	*	1.7	6	2.72		8.6	-	7.05	-	34.83
J	?	0.29	1	10.15	:	13.6		9.52		4.3	2	6.88	2	16.2	:	13.28	*	39.83
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Total	L:		*	103.60				\$85.51			\$	24.44				\$75·51		\$288.94
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7.41	•77	1.0	•04	81.8	78.8	3.4	4.7	.1	.8	3.0	.25	
1.42	• 30	1.0	.02	83.4	79.8	3.6	4.7	.1	•5	3.2	.25	.1
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Mr. V. I. Puccini Ardmore, Oklahoma

Dear Sir:

Pursuant to your request I visited the mining property known as the old "Gunsight" property, consisting at the present time of four mining claims known as the Sure Thing, numbers 1, 2, 3 and 4 and which are located about three miles in a northerly direction from Bisbee, Arizona in the Warren mining district, Cochise County, Arizona. And are more fully described on the mining records of said district and county.

These four claims are located end to end for a distance of six thousand feet, with a strike east about 20 degrees north, and west 20 degrees south with a northerly dip of about 70 degrees.

Being in a district so well known as the Bisbee district it is not necessary to give but a brief description of the geology of the property, and will say that it consists of rhyolite, andesite, quartzite and porphyry with the ore bodies in the quartzite.

The ore consists of gold, silver, some lead with the gold predominating and an outcrop on the surface of from 20 to 100 feet in width with a rhyolite hanging wall and an andesite foot wall.

The ore is disseminated entirely throughout the ore body and is enriched with lenzes running parallel with the main ore body from six to 20 feet wide and from these there has been produced some several thousand tons of ore of a grade running from \$25.00 to \$100.00 per ton according to smelter returns.

There has been considerable development work done on the property by shafts, drifting and cross-cutting. Sufficient to prove the continuity of the ore values so far as developed.

This work consists of a shaft 130 feet in depth with a drift on the seventy foot level of about a hundred feet and several cross-cuts upon the vein of about 25 feet each, all of which was milled and sent to the smelters.

Another shaft was sunk to a considerable depth out of which the ore was mined from the first level for some distance, probably 70 feet and a winze was also sunk from which the cres taken therefrom was about the same value as in the other shafts according to the shipping returns.

Other work was done in drifting and shipping from the surface with good results and the dumps on the surface have (by careful sampling) a value of better than fifteen dollars.

I estimate the tonnage on the dumps to be about 3500 tons. And the ore that has been opened by the cross-cuts mined at different levels will prove up a large tonnage of ore of a high grade nature which will greatly enrich the whole ore body, and which will allow of a large production of low grade ore of sufficient value to warrant treating the whole mass for a distance of at least one hundred feet wide.

In my opinion based upon the width and continuity of this wide vein and the characteristics of the Bisbee district which already has a depth of 3000 feet, this property is well worthy of further development and will no houbt be a large producing property in the future.

It has great possibilities on account of the vein (fissure) and in that the whole mass of quartzite is of sufficient value to mine at profit.

The elevation where most of the work has been done is 7000 feet barometric readings, making according to the contour of the country, an ideal mining proposition. I would recommend that a tunnel be run in on the main vein, down the canyon about 1250 feet lower than the present workings, where the ore body is exposed, then follow the ore for 1500 feet which will give a backing of at least 1250 feet for stoping purposes. This will give a large ore recovery at a small cost of mining.

There is no reason why these values will not be as great or greater at this depth. As it is characteristic of this district that the ores go to a great depth.

I am enclosing an assay sheet of samples taken from the walls and the dumps, but have made no assays of the ore bodies that have been shipped from as I took those values from the smelter returns which established those values.

You will see from these assays that the whole ore mass could be mined at a profit without the benefit of those enriched veins, which only add to the value of the whole.

In conclusion'I desire to state that this property will no doubt become a large producer with careful management and our modern methods of metallurgy which will enable the management to save all of the values. It is well worthy of development.

Harshberger (2)

Therefore I do not hesitate to say that you need have no hesitation in going ahead with further work in order to make a large producing mine.

Yours very truly,

A. J. Harshberger, Cons. Eng.

COPY

E. A. JACOBS, Registered Assayer

Tucson, Arizona Apr. 19, 1931

Certificate No. 28130 Sample to A. J. Harshberger

			Values	per ton
Serial No.	Sample M	larked	Gold	Silver Ozs.
71123	Number	1	\$2.40	1.0
124	11	2	7.00	1.8
125	11	3	9.80	0.9
126	11	100	6.60	1.9
127	41	5	14.20	1.3
128	v f	6	6.00	1.2
129	11	7	2.20	2.4
130	99	ġ	2.00	2.0
131	98	9	13.80	14.0
132	11	ro	10.60	0.8
133	n	11	11.00	0.6
134	11	12	2.00	0.9
135	. 11	13	1.40	0.8
136		14	7.00	0.4
137		15	12.20	0.5
138		16	9.20	0.6
139		17	24.00	8.0
140		18	3.40	10.9

Gold figured at \$20.00 per oz, Troy

Respectfully

E.A. Jacobs

Charges \$27100 paid (Sd) E.A.J.

Phoenix

(Power of attorney)

11920N355T-

8913 McArthur Rd., Phoenix, Ariz. (148)

development loan information - See B file See BISBEE GOLD HILL - Re reports

10-9-44

BISBEE GOLD HILL

Au, Ag

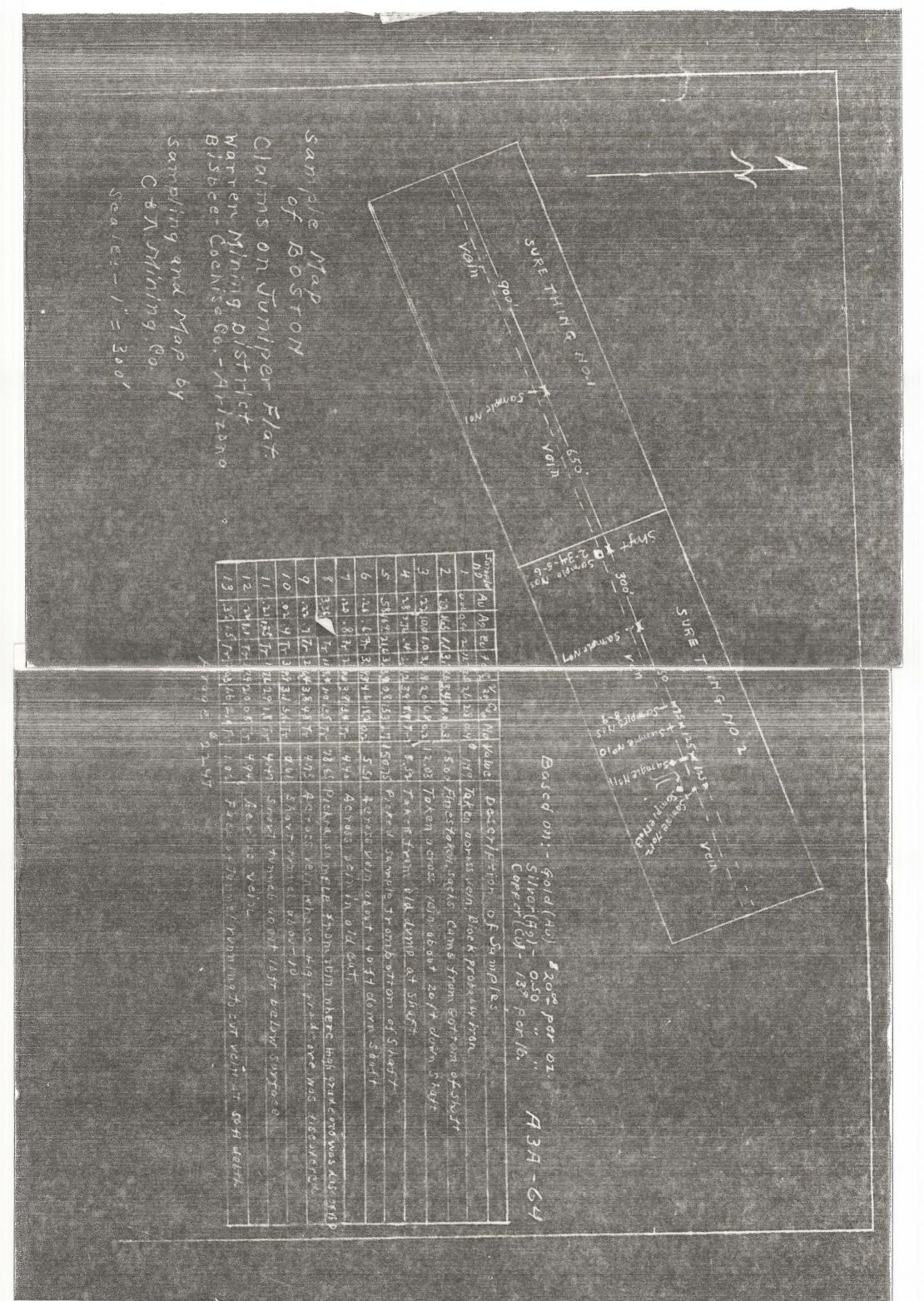
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