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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4332 A & B

-----  
ARIZONA-----

Land District.

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**FIELD NOTES**

Of The Survey Of The Mining Claim Of

-----  
J. Ph. Zannaras, C. P. Zannaras and John Pierce Robinson, Jr.-----

Known As The

Zannarapolis No.1, Zannarapolis No.6, Zannarapolis No.8, Zannarapolis  
No.12, ~~Zannarapolis No.17, Zannarapolis No.19, Zannarapolis No.25,~~  
Zannarapolis No.28 lodes and Zannarapolis No. 25 Mill Site.

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EUREKA----- Mining District,

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Yavapai----- County, ----- Arizona-----

Section S. 1-11 & 12-----, Township 13 N.-----, Range 10 W.-----

Surveyed under instructions dated August 23 and  
Sept. 21-----, 1948

by J. WILLIAM WAARA-----  
U. S. Mineral Surveyor.

Nov. 5, 1941, Dec. 5, 1941

Claim located Jan. 20 1942.-----, 19-----

Millsite September 17, 1948.

Survey commenced September 8,-----, 1948

Survey completed Oct. 2-----, 1948

Address of claimant J. Ph Zannaras Agent,-----  
Box 500, Congress Arizona.

DATES OF AMENDED LOCATIONS

September 17, 1948.

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 10000

Land District

FIELD NOTES

Of the Survey of the Mining Claim of

J. W. Johnson, et al. Minerals and John James Johnson, et al.

Known as the

Johnson Lumber Co. Claim, located in the NE 1/4 of Section 10, Township 10 N., Range 10 E.,  
County of Lincoln, Nebraska, and Johnson Lumber Co. Claim, located in the NE 1/4 of Section 10,  
Township 10 N., Range 10 E., County of Lincoln, Nebraska.

Section 10, Township 10 N., Range 10 E.,  
County of Lincoln, Nebraska,  
Surveyed under instructions dated August 12, 1908.

By \_\_\_\_\_  
U. S. Mineral Surveyor.

This claim located in the NE 1/4 of Section 10,  
Township 10 N., Range 10 E., County of Lincoln, Nebraska,  
Survey commenced \_\_\_\_\_  
Survey completed \_\_\_\_\_  
Address of claimant \_\_\_\_\_  
Per \_\_\_\_\_

DATE OF RECORDED INSTRUMENT

\_\_\_\_\_

## SURVEY NO. 4332 A&amp;B

1.

This survey was made with a Lietz Light Mountain transit No. 9503, Model No.9 with a horizontal limb 5 ins. diameter having two double opposite verniers reading to thirty seconds of arc, and full vertical circle 5 ins. diameter having two double opposite verniers reading to one minute of arc; the eye piece is fitted to receive a prismatic eye piece suitable for making direct observations upon the sun or Polaris. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observations.

September 30, 1948 at the discovery point of Zannarapolis No. 28 lode, in latitude  $34^{\circ}-29'-30''$  N. and longitude  $113^{\circ}-15'-30''$  W. I made a series of three observations upon Polaris during the period of its eastern elongation, with the telescope in direct and reversed positions, observing the center of the star during its vertical movement, and reading the horizontal angles from a reference point N.W. to the star.

Mean time of observation, 105th meridian Standard time, September 30, 1948.  $7^{\text{h}}-45^{\text{m}}$  P.M.

Declination of Polaris  $89^{\circ}-01'-15.43''$

Mean observed vertical angle to star's center  $34^{\circ}-30'$

Mean horizontal angle from reference point to star's center  $40^{\circ}-36'$

True bearing to reference point  $N.41^{\circ}-47'E.$

A similar observation on Polaris was made at the discovery point of Zannarapolis No. 6 lode in latitude  $34^{\circ}-28'-30''$  N. and longitude  $113^{\circ}-15'-30''$  W., the results of which agreed with the meridian as determined in the above observation. The second observation was made on Oct. 1, 1948, at the Eastern Elongation of Polaris.

The lines were measured with a  $1/8$  inch steel tape, 500 feet in length, graduated every foot, which was compared

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## Survey No. 4332 A &amp; B

with a steel standard tape at the time of beginning the survey, and found correct.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of the survey gave a uniform value of  $15^{\circ}-15'E$ .

## ZANNARAPOLIS No. 1 LODE

Feet

At Cor. No. 1 of the Zannarapolis No. 1 lode.

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 1-1-4332A with its center for exact corner point; from which

The Corner to Sections 1-2-11-12, T. 13 N.R. 10 W., Gila and Salt River Base and Meridian, bears  $S.5^{\circ}-07'W$ . 841.6 feet., an iron post 2 inches in diameter, 12 inches above ground, firmly set, marked and witnessed as described in the official record.

No other bearings available.

Thence  $N.37^{\circ}-31'E$ .

1500.0 Cor. No. 2, on line 4-1 Zannarapolis No. 12 lode of this survey.

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 1-2-4332A with its center for exact corner point, from which

No bearings available.

Thence  $S. 56^{\circ}-10'E$ .

90.9 Cor. No. 4 Zannarapolis No. 12 lode of this survey.

300.6 North center end, a substantial mound of stone on lode line; discovery point bears  $S.37^{\circ}-31'W$ . 730.0 feet.

601.2 Cor No. 3.

(2)

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Feet

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 1-3-4332A with its center for exact corner point; from which

No bearings available.

Thence S.  $37^{\circ}$ -31'W.

1168.55 Intersect line 2-3 Zannarapolis No. 8 lode of this survey at a point from which Cor. No. 2 bears N.  $2^{\circ}$ -10'E. 55.87 feet.

1500.0 Cor. No. 4.

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 1-4-4332A with its center for exact corner point; from which

No bearings available.

Thence N.  $56^{\circ}$ -10'W.

300.6 South center end, a substantial mound of stone on lode line; discovery point bears N.  $37^{\circ}$ -31'E. 770.0 feet.

426.67 Intersect line 1-2 Zannarapolis No. 8 lode of this survey at a point from which Cor. No. 2 bears N.  $81^{\circ}$ -44'E. 564.35 feet.

601.2 Cor. No. 1 and place of beginning.

## ZANNARAPOLIS NO. 6 LODE

Beginning at Cor. No. 1 of the Zannarapolis No. 6 lode, identical with Cor. No. 2 of the Zannarapolis No. 19 lode of this survey.

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the

(3)

Feet	
	ground and surrounded by a substantial mound of stone, marked Z 6-1, 19-2-4332A with its center for exact corner point; from which The West 1/4 sec. cor. Sec. 12, T. 13 N.R. 10 W, bears S.49°-08'W. 907.8 feet, an iron post, 1 inch in diameter, 12 inches above ground, firmly set, marked and witnessed as described in the official record. No other bearings available. Thence N. 17°-55'E.
833.2	Cor. No. 3 Zanarapolis No. 17 lode of this survey.
1166.6	East Center end Zanarapolis No. 17 lode of this survey.
1500.0	Cor. No. 2, identical with Cor. No. 2 Zanarapolis No. 17 lode of this survey. Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 6-2, 17-2-4332A with its center for exact corner point, from which No bearings available. Thence S. 72°-05'E.
300.0	North center end, a substantial mound of stone on lode line; discovery point bears S. 17°-55'W. 185.0 feet.
449.0	Cross wash, flows southerly, also <sup>mine</sup> road in said wash bears south to north.
600.0	Cor. No. 3. Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 6-3-4332A with its center for exact corner point; from which No bearings available. Thence S. 17°-55'W.
1500.0	Cor. No. 4 identical with Cor. No. 3 Zanarapolis No. 19 lode

## Survey No. 4332 A &amp; B

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Feet

of this survey.

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 6-4, Z 19-3-4332A with its center for exact corner point; from which

No bearings available.

Thence N.  $72^{\circ}$ -05'W.

55.0 Cross wash, flows southerly.

143.0 Cross mine road, bears south to north.

300.0 South center end, identical with North Center end

Zannarapolis No.19 lode of this survey, a substantial mound of stone on lode line; discovery point bears N. $17^{\circ}$ -55'E. 1315.0 feet.

600.0 Cor. No.1 and place of beginning.

## ZANNARAPOLIS NO. 8 Lode

Beginning at Cor. No.1 of the Zannarapolis No.8 lode

Set an iron pipe, 30 inches long, fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 8-1-4332A with its center for exact corner point; from which

The corner to Sections 1-2-11-12, T. 13 N.R. 10 W., bears S.  $13^{\circ}$ -25'W. 755.0 feet.

No bearings available.

Thence N. $81^{\circ}$ -44'E.

45.25 Intersect line 1-4 Zannarapolis No.1 lode of this survey, at a point from which Cor. No.4 bears S. $56^{\circ}$ -10'E. 426.67 feet.

304.8 North center end, a substantial mound of stone on lode line; discovery point bears S. $22^{\circ}$ -10'W. 980.0 feet.

(5)

Feet	
609.6	<p>Cor. No.2</p> <p>Set an iron pipe, 30 inches long fitted with a floor flange <math>3\frac{1}{2}</math> inches in diameter, to which I securely bolted a copper disc <math>3\frac{1}{2}</math> inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 8-2-4332A with its center for exact corner point; from which</p> <p style="padding-left: 40px;">No bearings available.</p> <p style="padding-left: 80px;">Thence S.2°-10'W.</p>
55.87	<p>Intersect line 3-4 Zannarapolis No.1 lode of this survey, at a point from which Cor. No. 4 bears S.37°-31'W. 331.45 feet.</p>
1498.1	<p>Intersect line 1-2 Zanarapolis No.17 lode of this survey at a point from which Cor. No.2 bears N.82°-02'-30"E. 409.60 feet.</p>
1500.0	<p>Cor. No.3</p> <p>Set an iron pipe, 30 inches long fitted with a floor flange <math>3\frac{1}{2}</math> inches in diameter, to which I securely bolted a copper disc <math>3\frac{1}{2}</math> inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 8-3-4332A with its center for exact corner point; from which</p> <p style="padding-left: 40px;">No bearings available.</p> <p style="padding-left: 80px;">Thence S.81°-44'W.</p>
304.9	<p>South center end, a substantial mound of stone on lode line; discovery point bears N.2°-10'E. 520.0 feet.</p>
609.8	<p>Cor. No.4</p> <p>Set an iron pipe, 30 inches long fitted with a floor flange <math>3\frac{1}{2}</math> inches in diameter, to which I securely bolted a copper disc <math>3\frac{1}{2}</math> inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 8-4-4332A with its center for exact corner point; from which</p> <p style="padding-left: 40px;">No bearings available.</p> <p style="padding-left: 80px;">Thence N.2°-10'E.</p>



## Survey No. 4332 A &amp; B.

Feet	
5.2	Intersect line 1-4 Zanarapolis No.17 lode of this survey at a point from which Cor. No.1 bears S.82°-02'-30"W. 471.8 feet.
1500.0	Cor. No.1 and place of beginning.
ZANNARAPOLIS No. 12 LODE	
Beginning at Cor. No.1 of the Zannarapolis No.12 lode. Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 12-1-4332A with its center for exact corner point; from which	
The West 1/4 sec. cor Sec. 1 T. 13 N.R.10 W. bears N.61°-49'W. 581.0 feet, an iron post, 1 inch in diameter, 12 inches above ground, firmly set, marked and witnessed as described in the official record.	
No other bearings available.	
Thence N.9°-25'E.	
1500.0	Cor. No.2
Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone; marked Z12-2-4332A with its center for exact corner point; from which	
A schist reef 16x4x4 feet exposed and chiseled BxR Z 12-2-4332A bears N.78°-45'W. 67.2 feet.	
Thence S. 56°-10'E.	
58.8	Cor. No.3 Zannarapolis No.28 lode of this survey.
329.4	North center end, a substantial mound of stone on lode line; discovery point bears S. 9° -25'W. 305.0 feet.
358.8	South center end Zannarapolis No.28 lode of this survey.
658.8	Cor. No.3 identical with Cor. No.2 Zannarapolis No.28 lode

Feet

of this survey

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 12-3, Z 28-2-4332A with its center for exact corner point; from which

No bearings available.

Thence S.  $9^{\circ}$ -25'W.

1500.0 Cor. No.4 on line 2-3 Zannarapolis No.1 lode of this survey

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 12-4-4332A with its center for exact corner point; from which

No bearings available.

Thence N.  $56^{\circ}$  -10'W.

90.9 Cor. No.2 Zannarapolis No.1 lode of this survey.

329.4 South center end, a substantial mound of stone on lode line; discovery point bears N.  $9^{\circ}$ -25'E. 1195.0 feet.

658.8 Cor. No.1 and place of beginning.

#### ZANARAPOLIS NO. 17 LODE

Beginning at Cor. No.1 of the Zanarapolis No.17 lode.

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 17-1-4332A with its center for exact corner point, from which

The corner to Sections 1-2-11-12 T. 13 N.R. 10 W., bears N.  $22^{\circ}$ -55'E. 895.3 feet., an iron post 2 inches in diameter, 12 inches above ground, firmly set marked and witnessed as

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Feet	
	described in the official record. No other bearings available. Thence N.82°-02'-30"E.
471.8	Intersect line 1-4 Zannarapolis No. 8 lode of this survey at a point from which Cor. No.4 bears S.2°-10'W. 5.2 feet.
1081.00	Intersect line 2-3 Zannarapolis No. 8 lode at a point from which Cor. No.3 bears S.2°-10'W. 1.9 feet.
1490.6	Cor. No.2, identical with Cor. No.2 Zannarapolis No.6 lode of this survey. Thence S.17°-55'W.
333.4	East center end, a substantial mound of stone on lode line; discovery point bears S.82°-02'-30"W 1010.2 feet.
666.8	Cor. No.3, on line 1-2 Zannarapolis No.6 lode of this survey. Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 17-3-4332A with its center for exact corner point; from which No bearings available. Thence S.82°-02'-30"W.
782.06	Intersect line 4-1 Zannarapolis No. 25 lode of this survey at a point from which Cor. No. 4 bears N.19°-10'W. 42.31 feet.
1000.06	Intersect line 3-4 Zannarapolis No.25 lode of this survey at a point from which Cor. No.4 bears N.70°-51'E. 213.82 feet.
1490.6	Cor. No. .4 Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 17-4-4332A with its center for exact corner point, from which

Feet	
	<p>No bearings available.</p> <p>Thence N. 17°-55'E.</p>
323.4	West center end, a substantial mound of stone on lode line; discovery point bears N. 82°-02'-30"E, 480.4 feet.
666.8	Cor. No. 1 and place of beginning.
<p>ZANNARAPOLIS, NO. 19 LODGE</p>	
	<p>Beginning at Cor No. 1 Zannarapolis No. 19 lode.</p> <p>Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 19-1-4332A with its center for exact corner point, from which</p> <p>The West 1/4 sec. cor Sec. 12, T. 13 N. R. 10 W., bears N. 60°-43'W., 480.8 feet., an iron post 1 inch in diameter, 12 inches above ground, firmly set, marked and witnessed as described in the official record.</p> <p>No other bearings available</p> <p>Thence N. 17°-51'-30"E.</p>
871.0	Cor. No. 2, identical with Cor. No. 1 Zannarapolis No. 6 lode of this survey.
	Thence S. 72°-05'E.
300.0	North center end, a substantial mound of stone on lode line and identical with South center end Zannarapolis No. 6 lode of this survey; discovery point bears S. 17°-52'-30"W., 948.0 feet.
457.0	Cross mine road bears south to north.
545.0	Cross wash flows southerly.
600.0	Cor. No. 3 identical with Cor. No. 4 Zannarapolis No. 6 lode of this survey.
	Thence S. 17°-53'-30"W.
1024.1	Cor. No. 4
	Set an iron pipe, 30 inches long fitted with a floor flange

Feet

3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z. 19-4-4532A with its center for exact corner point; from which

No bearings available.

Thence S.46°-38'-30"W.

245.0 Cross mine road, bears south to north.

464.6 Cor. No.5.

Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 19-5-4332A with its center for exact corner point, from which

No bearings available.

Thence N.72°-05'W.

341.5 South center end, a substantial mound of stone on lode line; discovery point bears N.46°-37'E., 552.0 feet.

682.9 Cor. No.6

Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone; marked Z 19-6-4332A with its center for exact corner point; from which

No bearings available.

Thence N.46°-36'E.

639.0 Cor. No.1, and the place of beginning.

ZANNARAPOLIS NO. 25 LODE

Beginning at Cor. No.1 Zannarapolis No. 25 lode.

Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper

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Feet

disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 25-1-4332A with its center for exact corner point; from which

The west  $1/4$  sec. cor. Sec. 12 T. 13 N. R. 10 W. bears S.  $25^{\circ}-00'W$ . 830.4 feet., an iron post 1 inch in diameter, 12 inches above ground, firmly set, marked and witnessed as described in the official record.

No other bearings available.

Thence S.  $70^{\circ}-51'W$ .

1500.0 Cor. No. 2

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone; marked Z 25-2-4332A with its center for exact corner point; from which

A schist reef 3x4x3 feet exposed and chiseled BxR Z 25-2-4332A bears N.  $7^{\circ}-17'W$ . 52.1 feet.

Thence N.  $19^{\circ}-10'W$ .

299.8 West center end, a substantial mound of stone on lode line; discovery point bears N.  $70^{\circ}-51'E$ . 230.0 feet.

599.8 Cor. No. 3

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone; marked Z 25-3-4332A with its center for exact corner point, from which

No bearings available.

Thence N.  $70^{\circ}-51'E$ .

1286.18 Intersect line 3-4 Zanarapolis No. 17 lode of this survey at a point from which Cor. No. 4 bears S.  $82^{\circ}-02'-30''W$ . 490.54 feet.

1500.0 Cor. No. 4

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Feet

Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone; marked Z 25-4-4332A with its center for exact corner point, from which

No bearings available.

Thence S.19°-10'E.

42.31 Intersect line 3-4 Zannapolis No.17 lode of this survey at a point from which Cor. No. 3 bears N.82°-02'-30"E. 782.06 feet.

300.0 East center end, a substantial mound of stone on lode line; discovery point bears S.70°-51'W. 1270.0 feet.

599.8 Cor. No.1 and the place of beginning.

## ZANNARAPOLIS NO. 28 LODE

Beginning at Cor. No.1 Zannapolis No. 28 lode, identical with Cor. No. 1 Zannapolis No. 25 MillSite of this survey. Set an iron pipe, 30 inches long fitted with a floor flange  $3\frac{1}{2}$  inches in diameter, to which I securely bolted a copper disc  $3\frac{1}{2}$  inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 28-1- 4332A and Z 25-1-4332B with its center for exact corner point, from which

The North 1/4 sec cor. Sec. 1, T. 13 N.R. 10 W bears N.31°-54'E. 897.0 feet, an iron post, 1 inch in diameter, 12 inches above ground, firmly set, marked and witnessed as described in the official record.

No other bearings available.

Thence S.33°-10'W.

495.0 Cross mine road bears southeast to northwest.

659.5 Cor.No.5 Zannapolis No. 25 MillSite of this survey.

1500.0 Cor. No.2, identical with Cor. No. 3 Zannapolis No. 12 lode of this survey.

Feet	
	Thence N.56°-10'W.
300.0	South center end, a substantial mound of stone on lode line; discovery point bears N. 33°-11'E. 1390 feet.
329.4	North center end Zannarapolis No. 12 lode of this survey.
600.0	Cor. No.3, on line 2-3 Zannarapolis No. 12 lode of this survey.  Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone ; marked Z 28-3-4332A with its center for exact corner point, from which  No bearings available.
	Thence N.33°-11'E.
1500.0	Cor. No.4  Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 28-4-4332A with its center for exact corner point, from which  No bearings available.
	Thence S. 56°-10'E.
300.0	North center end, a substantial mound of stone on lode line, discovery point bears S. 33°-11'W. 110.0 feet.
599.5	Cor. No.1 and the place of beginning.
	ZANNARAPOLIS NO. 25 Mill Site
	Beginning at Cor No.1 Zannarapolis No. 25 Mill Site, identical with Cor. No.1 Zannarapolis No. 28 lode of this survey.
	Thence S.56°-10'E.
372.8	Cor. No.2  Set an iron pipe, 30 inches long fitted with a floor flange



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Feet

3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 25-2 4332B with its center for exact corner point, from which

No bearings available.

Thence S. 25°-29'-30"W.

324.6 Cor. No. 3

Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 25-3-4332B with its center for exact corner point, from which

No bearings available.

Thence S. 72°-59'-30"W.

365.0 Cross mine road bears south to north.

386.3 Cor. No. 4

Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 25-4-4332B with its center for exact corner point, from which

No bearings available.

Thence N. 69°-10'W.

172.3 Cor. No. 5, on line 1-2 Zannapolis No. 28 lode of this survey.

Set an iron pipe, 30 inches long fitted with a floor flange 3½ inches in diameter, to which I securely bolted a copper disc 3½ inches in diameter, driven 18 inches into the ground and surrounded by a substantial mound of stone, marked Z 25-5-4332B with its center for exact corner point, from which

No bearings available.

Thence N. 33°-10'E.

(15)

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## Survey No. 4332 A &amp; B

Feet

164.5 Cross mine road bears southeast to northwest.

659.5 Cor. No.1 and place of beginning.

The Zannarapolis No.25 Mill Site contains 4.992 acres.

## Survey No. 4332 A and B

## AREAS

	Acres
Total area, Zannarapolis No.1 lode	20.660
Area in conflict with- Zannarapolis No.8 lode of this survey	1.976
Total area, Zannarapolis No.6 lode	20.661
Total area, Zannarapolis No.8 lode	20.648
Total area, Zannarapolis No.12 lode	20.658
Total area, Zannarapolis No.17 lode	20.530
Area in conflict with- Zannarapolis No.8 lode of this survey	0.049
Total area, Zannarapolis No.19 lode	20.636
Total area, Zannarapolis No.25 lode	20.654
Area in conflict with- Zannarapolis No.17 lode of this survey.	0.104
Total area, Zannarapolis No. 28 lode	20.651
Total area, Zannarapolis No.25 Mill Site	4.992

## LOCATION

This survey is located in the West 1/2 Sec. 1, West 1/2 Sec. 12, East 1/2 Sec. 11, T. 13 N.R. 10 W. of the Gila and Salt River Base and Meridian, Yavapai County, State of Arizona.

The survey of these lodes and MillSite is identical with the amended location of the lodes and original location of the MillSite as marked on the ground.

## EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode locations embraced in said mining claim by the claimants or their grantors are as follows;

No.1 The discovery shaft of the Zannarapolis No.1 lode, the center of which being the discovery point, is on the lode line

## Survey No. 4332 A &amp; B

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- S. 37° 31' W., 730 feet from the North Center End, 4x6x8 ft. deep, with trench 4x10x3 ft. deep, running southeasterly from shaft.
- Value of shaft, \$80.  
Value of trench \$30.
- No. 2 A cut, the face of which bears S. 15° E., 736 ft. from Cor. No. 2, 3x18x4 ft. face, running westerly.
- Value, \$50.
- No. 3 A cut, the face of which bears S. 12° 10' E., 750 ft. from Cor. No. 2, 3x15x2 ft. face, running westerly.
- Value, \$30.
- No. 4 A trench, the northerly end of which bears S. 5° 20' W., 996 ft. from Cor. No. 2, 12x18x6 ft. deep, running southeasterly.
- Value, \$150.
- No. 5 A cut, the face of which bears S. 8° 20' W., 1028 ft. from Cor. No. 2, 6x16x5 ft. face, running southwesterly.
- Value, \$80.
- No. 6 A cut and tunnel, the mouth of tunnel bears S. 9° 10' W., 1091 ft. from Cor. No. 2, tunnel 4x6x38 ft. long, running northeasterly, and cut 4x33x8 ft. face extending southwesterly from face at mouth of tunnel.
- Value of cut, \$225.  
Value of tunnel \$30.
- No. 1 The discovery shaft of the Zannarapolis No. 6 lode, the center of which being the discovery point, is on the lode line S. 17° 55' W., 185 ft. from North Center End, 4x6x8 ft. deep, with trench 4x9x4 ft. deep, running southeasterly from shaft.
- Value of shaft \$80.  
Value of trench \$30.
- No. 2 A shaft, the center of which bears S. 52° 10' W., 238 ft. from Cor. No. 3, 4x6x30 ft. deep, with concrete collar 8 ft. deep and timbered below.
- Value, \$450.
- No. 1 The discovery shaft of the Zannarapolis No. 8 lode, the center of which being the discovery point, is on the lode

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Survey No. 4332 A &amp; B

line S. 2° 10' W., 980 ft. from the North Center End, 4x6x8 ft. deep, with trench 4x6x3 ft. deep, running westerly from shaft.

Value of shaft \$80.  
Value of trench \$25.

No. 2 A cut, the face of which bears S. 34° 30' E., 620 ft. from Cor. No. 1, 5x15x4 ft. face, running northeasterly.

Value, \$50.

No. 3 A trench and shaft, the center of shaft bears S. 0° 50' E., 410 ft. from Cor. No. 1, shaft 4x6x8 ft. deep, trench 4x18x8 ft. face, face being easterly end of shaft.

Value of shaft \$80.  
Value of trench \$100.

No. 4 A hole, the center of which bears S. 54° E., 348 ft. from Cor. No. 1, 3x3x3 ft. deep.

Value, \$20.

No. 5 A cut, the face of which bears S. 53° 30' W., 252 ft. from Cor. No. 2, 6x8x5 ft. face, running southerly.

Value, \$60.

No. 6 A cut, the face of which bears S. 47° 30' W., 170 ft. from Cor. No. 2, 8x12x5 ft. face, running southwesterly.

Value, \$100.

No. 1 The discovery shaft of the Zannarapolis No. 12 lode, the center of which being the discovery point, is on the lode line S. 9° 25' W., 305.0 ft. from the North Center End; 4x6x8 ft. deep, with trench 4x8x3 ft. deep running westerly from the shaft.

Value of shaft, \$80.  
Value of trench \$30.

No. 2 A cut, the face of which bears S. 29° W., 701 ft. from Cor. No. 3, 8x20x6 ft. face, running northerly.

Value, \$200.

No. 1 The discovery shaft of the Zanarapolis No. 17 lode, the center of which being the discovery point, is on the lode line S. 82° 02' 30" W., 1010.2 ft. from the East Center End, 4x6x8 ft. deep, with trench 6x7x5 ft. deep running northerly from the shaft.

## Survey No. 4332 A &amp; B

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- Value of shaft, \$80.  
Value of trench \$40.
- No. 2 A shaft, the center of which bears N. 78° 40' E., 180 ft. from Cor. No. 4, 10x8x7 ft. deep.  
Value, \$200.
- No. 3 A trench, east end of which bears S. 78° 40' W., 775 ft. from Cor. No. 2, 3x30x2 ft. deep, running westerly.  
Value, \$100.
- No. 1 The discovery cut of the Zannarapolis No. 19 lode, the center of which being the discovery point, is on the lode line S. 17° 52' 30" W., 948.0 ft. from the North Center End, 6x8x8 ft. deep.  
Value, \$150.
- No. 2 A cut, south fork face of which bears N. 48° 50' W., 285 ft. from Cor. No. 4; running northeasterly 8x15x6 ft. deep to junction point with north fork cut extending northerly 6x20x4 ft. deep; from junction point the main stem of cut runs easterly 26 ft. long 8 to 12 ft. wide having stepped bottom forming 14 ft. face and 6 ft. face, 12 ft. wide.  
Value, \$1000.
- No. 3 A trench, the southerly end of which bears N. 47° 30' W., 190 ft. from Cor. No. 4, 12x80x7 ft. deep, running northerly.  
Value, \$500.
- No. 4 A cut, the mouth of which bears N. 46° 30' W., 283 ft. from Cor. No. 4, lower section 5x15x7 ft. face, bears westerly, and upper section extension of same cut bears southerly, 6x8x7 ft. face.  
Value, \$150.
- No. 1 The discovery cut of the Zannarapolis No. 25 lode, the center of face of which is on the lode line N. 70° 51' E., 230 ft. from the West Center End, 5x17x10 ft. face extending easterly to its mouth.  
Value, \$200.

- No. 2 A shaft and cut, the junction point between bears N. 43° 30' W., 360 ft. from Cor. No. 1, shaft 7x5x10 ft. deep, cut at center of east side of shaft 4x12x10 ft. face running easterly.
- Value of shaft       \$125.  
Value of cut         \$100.
- No. 3 A trench, the south end of which bears N. 50° 10' W., 357 ft. from Cor. No. 1, 6x8x8 ft. deep, bears northerly,
- Value, \$125.
- No. 1 The discovery shaft of the Zannarapolis No. 28 lode, the center of which being the discovery point, is on the lode line S. 33° 11' W., 110 ft. from the North Center End.
- No. 2 A hole, the center of which bears S. 18° 10' E., 300 ft. from Cor. No. 4, 5x6x2 ft. deep.
- Value, \$20.
- No. 3 A hole, the center of which bears S. 7° 30' W., 473 ft. from Cor. No. 4, 5x6x2 ft. deep.
- Value, \$20.
- No. 4 A hole, the center of which bears S. 15° 30' W., 740 ft. from Cor. No. 4, 4x5x2 ft. deep.
- Value, \$15.00
- An interest in a "Common Improvement" described as follows:
- The main working shaft being No. 1 Discovery shaft, on the Zannarapolis No. 28 lode. This shaft is 8x10 ft. in size, well timbered, two compartment, inclined along lode line dipping to the southwest, with skip compartment along foot of incline and other compartment vertically above it along the roof line of the incline. It is 50 feet in depth, with no drifts or crosscuts.
- Value, \$3500.  
Value of one half interest, \$1750.
- This improvement is in course of construction for the development of Zannarapolis No. 28 and Zannarapolis No. 12 lodes of this survey, situated on the lode line in the shaft and its continuation southerly. They are contigu-

ous lode claims owned in common within the limited range of benefit from said shaft.

The surface is slightly rolling southwesterly from the shaft and the increased depth in its present course, with necessary laterals, affords practical and economical means of developing each of the lodes at depth.

Five hundred dollars or over has been expended in this improvement in such a manner as tends to the development of the Zannarapolis No. 12 and Zannarapolis No. 28 lodes only of this survey subsequent to their location and to the time since which common ownership and contiguity have prevailed; therefore an undivided one half interest in its value is hereby credited to each of said mentioned lodes.

An interest in a "Common Improvement" described as follows:

The claimants have expended large sums of money, first in building and maintaining an access road from the County Road to this property, secondly in building and maintaining a truck haulage road from a point on the access road to the County Road, in an opposite direction, for the purpose of handling the ores between the mine and the 50 ton mill located on Boulder Creek about eight miles westerly from the mine. This road construction and maintenance operation improvement is four and one half miles in length, and is situated in sections 1, 11, 12, 13, 14, T. 13 N., R. 10 W.

Value of road, initial construction costs plus the maintenance thereof,  $4\frac{1}{2}$  miles at \$600.00 per mile, \$2600.

Value of  $\frac{1}{8}$ th interest, \$325.00.

This improvement is in the course of maintenance and use for the development of the eight lodes of this survey and is strictly a responsibility of the claimant who is the sole owner and operator of mining property in this particular zone of activity.

The surface is rolling foot hill lands with no overburden which condition demands continual care of the road. The road affords the most economical and practical means of transportation of supplies and ores to and from the mines thus being a direct factor in the development of each of the stated lodes.

Five hundred dollars or over has been expended in this improvement in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore, an undivided one-eighth interest in its value is hereby credited to each of said lodes of this survey.

#### OTHER IMPROVEMENTS

An ore bin and crusher plant adjacent to north line of shaft, 12x20 ft. in size, long side bears northwesterly, at Improvement No. 1 Zannarapolis No. 28 lode.

A residence, frame and corrugated aluminum, S.E. cor. bears S.  $57^{\circ} 30' W.$ , 588 ft. from Cor. No. 2 Zannarapolis No. 25 Mill Site, 20x24 ft. in size.

An assay laboratory and testing building, frame, concrete and corrugated aluminum construction, 18x22 ft. in size, N.E. cor. bears S.  $53^{\circ} 30' W.$ , 441 ft. from Cor. No. 2 Zannarapolis No. 25 Mill Site.

#### OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

None.

#### FIELD ASSISTANTS

Arthur Urquides

Chainman



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, J. WILLIAM WAARA, Mineral Surveyor,

do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix Arizona., dated Aug. 23, 1948 & Sept. 21, 1948

I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the mining claim of John Ph. Zannaras

C.P. Zannaras and John Pierce Robinson Jr., known as the Zannarapolis No. 1, Zannarapolis No. 6, Zannarapolis No. 8, Zannarapolis No. 12, Zannarapolis No. 17, Zannarapolis No. 19, Zannarapolis No. 25, Zannarapolis No. 28 lodes and Zannarapolis No. 25 Mill-site situate in Eureka Mining District,

Yavapai County, Arizona, in Section 8 1, 11, and 12, Township No. 13 N., Range No. 10 W.

and designated as Survey No. 4332 A & B, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or their grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

J. William Waara  
(Mineral Surveyor)

Subscribed and sworn to by the said J. William Waara

Mineral Surveyor, before me F. C. Bauer

this 28

day of Oct, 1948

F. C. Bauer  
Notary Public

My Commission Expires Jan. 10, 1949



CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
Bureau of Land Management  
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

January 24, 1949

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of J. Ph. Zannaras, C.P. Zannaras and John Pierce Robinson, Jr.

known as the Zannarapolis No. 1, Zannarapolis No. 6, Zannarapolis No. 8, Zannarapolis No. 12, Zannarapolis No. 17, Zannarapolis No. 19, Zannarapolis No. 25, Zannarapolis No. 28 lodes and Zannarapolis No. 25 Mill Site

situate in EUREKA mining district,

Yavapai County, Arizona

in Sections 1, 11 & 12, Township No. 13 N., Range No. 10 W.

G. & S. R. Mer., designated as Survey No. 4332 A & B

executed by J. William Waara, Mineral

Surveyor, Sept. 8 to October 2, 1948, under my instructions dated

August 23 and September 21, 1948, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

*Frank M. Chapin*  
Office Cadastral Engineer.

