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Copied 6-4-1909,

A. L. H.

*Platted
Dotted*

APR 8-1909

MAY 8-1909

4-683.

Mineral Survey No. 2441

Lot No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM^S OF

E. R. Z I M M E R M A N

KNOWN AS THE

JACK RABBIT #. 1, SAHUARRO, KEYSTONE and AGWA

Casa Grande Mining District,

Pinal County, Arizona

On unsurveyed land approximately in
Section _____, Township 9S., Range 4 E.

Surveyed under instructions dated Dec. 24th, 1907,

by Edgar C. Dietrich,
U. S. Deputy Mineral Surveyor

Claim located See location notices, 1

Surface Survey commenced Dec. 27th, 1907

Surface Survey completed Jan. 8th, 1908.

Underground Survey commenced Sept. 20, 1908

Underground Survey completed Sept. 27, 1908.

Address of claimant's attorney;

Frank H. Hereford,

Tucson, Arizona.

POOR QUALITY

The following pages are scanned at the best possible quality setting. The original pages are of poor quality and this is the best possible reproduction.

SURVEY NO. 2441.

	JACK RABBIT #1. 1 LODE.
	Beginning at Cor. No. 1, identical with the location, which is a mound of stone 2 ft. base, 1 1/2 ft. high. I set a pine post 4x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of stone. I mark same 1-J R #1-2441, on the westerly face, whence U. S. L. M. No. 1353 bears N. 85°-13' E., 871.4 ft. dist. No bearing trees or bearing rocks available.
	Thence N. 46°-03' W. Var. 13°-00' E.
148	Over descending ground.
270	Road to Shaft No. 2 bears southwesterly. Thence over level land.
300	Northerly end centre, identical with the location, which is a mound of stone, 2 ft. base, 1 1/2 ft. high. I set a pine post, 2x4 ins., 4 ft. long, set 2 ft. in the ground, and surrounded with a mound of stone.
583	Road to Casa Grande bears northeasterly and south westerly
600	To Cor. No. 2, identical with the location, which is a pine stake. I set a pine post 4x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of stone. I mark same 2-J R #1-2441 on its southerly face. No bearing trees or bearing rocks available.
	Thence S. 43°-03' W. Var. 13°-00' E.
	Over level land.
290	Begin ascent.
616	Road to Casa Grande bears northeasterly and southwesterly.
788	Same road bears northeasterly and southwesterly.
870	Top of ascent in small saddle.
891.3	Hub for transit point on line.
920	Begin descent.
1012	Road to Casa Grande bears northeasterly and southwesterly.
1100	Foot of descent, thence over level land.
1153	Road to Casa Grande bears northeasterly and southwesterly.
1462	Dry wash, course northwesterly.
1500	To Cor. No. 3, identical with the location, which is a pine stake. I set a pine post 4x4 ins., 4 ft. long, set 2 ft. in the ground and surrounded with a mound of stone. I mark same 3-J R #1-2441 on its easterly face. No bearing trees or bearing rocks available.
	Thence S. 46°-03' E. Var. 13°-00' E.
	Over level land.
300	Southerly end centre, identical with the location, which is an old stake in a mound of stone. I set a pine post 2x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of stone.
600	To Cor. No. 4, identical with the location, which is a pine stake in a mound of stone. I set a pine post 4x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of stone. I mark same 4-J R #1-2441 on its northerly face. No bearing trees or bearing rocks available.
	Thence N. 43°-03' E. Var. 13°-00' E.
	Over level ground.
45	Dry wash, course northwesterly.

- 107 Road to Desert Queen bears southeasterly.
 800 Begin ascent.
 1250 Top of ascent, begin descent.
 1500 To Cor. No. 1 the place of beginning.

Sahuarro Lode.

- Beginning at Cor. No. 1, identical with the location, which is a pine stake in a mound of stone.
 I set a pine post 4x4 ins., 4 ft. long set 2 ft. in the ground, surrounded with a mound of stone.
 I mark same 1-S-2441 on its westerly face.
 From this cor., U. S. L. M. 1353 bears N. 41°-42' E. 640.1 ft. dist. No bearing trees or bearing rocks available.
 Thence N. 47°-31' W.
 Var. 13°-00' E.
- Over descending ground.
- 300 Northerly end centre, identical with the location which is a pine stake in a mound of stone.
 I set a pine post 2x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of stone.
- 600 To Cor. No. 2, identical with the location and with Cor. No. 1 of the Jack Rabbit No. 1 Lode of this survey, as previously set and described by me.
 I mark same 2-S-2441 on its southerly face.
 No bearing trees or bearing rocks available.
 Thence S. 43°-03' W.
 Var. 13°-00' E.
- Over ascending ground.
- 250 Top of spur, course westerly, begin descent.
 700 Foot of descent, thence over level land.
- 1355.1 To Cor. No. 3 of the Sahuarro Lode.
 From this point, old location monument bears N. 36°-03' W., 17.5 ft. distant.
 I set a pine post 4x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of stone.
 I mark same 3-S-2441 on the easterly face.
 No bearing trees or bearing rocks available.
- Owing to an inaccuracy in the location notice of the Sahuarro Lode, from Cor. No. 3, I run
 Thence S. 36°-03' E.
 Var. 13°-00' E.
- Over level land.
- 215 Trail to Shaft No. 1 Sahuarro Lode course northeasterly.
- 227 Dry wash, course southwesterly.
- 292.7 To Cor. No. 4, identical with the location, which is a pine stake in a mound of stone.
 I set a pine post 4x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of stone.
 I mark same 4-S-2441 on its northeasterly face.
 No bearing trees or bearing rocks available.
- Thence S. 47°-31' E.
 Var. 13°-00' E.
- Over level land.
- 5 Southerly end centre, identical with the location, which is an old mesquite stake in a mound of stone.
 I set a pine post 2x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of stone.
- 135 Road to Desert Queen bears southeasterly.
- 300 To Cor. No. 5 identical with the location, which is an old mesquite stake in a mound of stone.
 I set a pine post 4x4 ins., 4 ft. long set 2 ft.

Feet. in the ground surrounded with a mound of stone:
 I mark same 5-S-2441 on the northerly face.
 No bearing trees or bearing rocks available.
 Thence N. 43°-34' E: 30' 000 yoles
 Var. 13°-00' E.

1200 Over level land by way of desert
 95 Road to Desert Queen bears southeasterly.
 130 Dry wash, course northwesterly.
 700 Begin ascent. Thence S. 42°-03' W.
 1413.5 To Cor. No. 1 the place of beginning.

600 Beginning at Cor. No. 1, identical with the location
 280 and with Cor. No. 1 of the Sahuarro Lode of this
 250 survey, which is a pine post as previously set and
 described by me, and which I mark 1-A-2441 on its
 northerly face. From this Cor. U. S. L. M. 1353 bears N. 41°-42' E.
 640.1 ft. dist. Thence N. 47°-31' W.
 300 Thence N. 47°-31' W.
 350 Var. 13°-00' E.

Over descending ground.
 300 To southerly end centre, identical with the loca-
 tion, and with the northerly end centre of the Sa-
 huarro Lode of this survey, which is a pine post as
 previously set and described by me. I mark same 2-A-2441 on its easterly face.
 600 To Cor. No. 2, identical with the location, with
 Cor. No. 1 of the Jack Rabbit No. 1 Lode, and with
 1200 Cor. No. 2 of the Sahuarro Lode, both of this sur-
 vey, which is a pine post as previously set and
 described by me.
 I mark same 2-A-2441 on its easterly face.
 Thence N. 43°-03' E.
 Var. 13°-00' E.

Over descending ground, along side-hill.
 950 Foot of descent, thence over level land.
 1500 To Cor. No. 3, identical with the location, which
 is an old mesquite stake in a mound of stone.
 I set a pine post 4x4 ins., 4 ft. long, set 2 ft.
 in the ground surrounded with a mound of stone.
 300 I mark same 3-A-2441 on its southerly face.
 No bearing trees or bearing rocks available.
 Thence S. 47°-31' E.
 Var. 13°-00' E.

Over level land:
 100 Begin ascent.
 300 Northerly end centre, identical with the location,
 which is an old pine stake in a mound of stone.
 I set a pine post 2x4 ins., 4 ft. long, set 2 ft.
 in the ground surrounded with a mound of stone.
 600 To Cor. No. 4, identical with the location, which
 is an old pine stake in a mound of stone.
 I set a pine post 4x4 ins., 4 ft. long, set 2 ft.
 in the ground, surrounded with a mound of stone.
 I mark same 4-A-2441 on its westerly face.
 No bearing trees or bearing rocks available.

1200 To Cor. No. 1 the place of beginning.
 880 Thence S. 43°-03' W.
 Var. 13°-00' E.

Over ascending ground.
 652 Top of ascent.

Job of survey
4.

980 Begin descent.
1500 To Cor. No. 1 the place of beginning.

200 Beginning with Cor. No. 1; identical with the location with Cor. No. 1 of the Jack Rabbit No. 1 Lode, with Cor. No. 2 of the Sahuarro Lode, and with Cor. No. 2 of the Agwa Lode, all of this survey, which is a pine post as previously set and described by me, and which I mark 1-K-2441 on its northerly face.

300 From this corner, U. S. L. M. 1353 bears N. 85°-13' E 871.4 feet dist:

Thence N. -46°-03' W.
Var. 13°-00' E.

300 Over descending ground to southerly end centre, identical with the location and with the northerly end centre of the Jack Rabbit No. 1 Lode of this survey; which is a pine post as previously set and described by me.

1600 To Cor. No. 2; identical with the location, and with Cor. No. 2 of the Jack Rabbit No. 1 Lode of this survey, which is a pine post as previously set and described by me.

320 I mark same 2-K-2441 on its easterly face.

Thence N. 43°-03' E.
Var. 13°-00' E.

1500 Over level land to Cor. No. 3; identical with the location, which is an old pine stake in a mound of earth.

900 I set a pine post 4x4 ins., 4 ft. long, set 2 ft. in the ground, surrounded with a mound of earth. I mark same 3-K-2441 on its southerly face. No bearing trees or bearing rocks available.

200 Thence S. 46°-03' E. Var. 13°-00' E.

220 Over level land Road to Casa Grande bears northeasterly.

300 To northerly end centre, identical with the location, which is an old pine stake in a mound of earth. I set a pine post 2x4 ins., 14 ft. long, set 2 ft. in the ground, surrounded with a mound of earth.

520 Road to Sasco bears northeasterly.

580 Branch of same road.

600 To Cor. No. 4, identical with the location, and with Cor. No. 3 of the Agwa Lode of this survey, which is a pine post as previously set and described by me. I mark same 4-K-2441 on its westerly face. No bearing trees or bearing rocks available.

300 Thence S. 43°-03' W.
120 Var. 13°-00' E.
1500 To Cor. No. 1 the place of beginning.

Jack Rabbit No. 1 Lode: 20.659 Acres.
Keystone Lode: 20.659 "
Sahuarro Lode: 19.069 "
Agwa Lode: 20.660 "
Total area of all claims: 81.047 Acres:

Location.

These claims are located in the Casa Grande Mining District, Pinal County, Arizona, and approximately in T. 9 S., R. 4 E., unsurveyed.

Adjoining Claims.

The Jack Rabbit No. 1 Lode is bounded on its westerly side by the Badger Lode (Unsurveyed), on its northerly side by the Keystone Lode of this survey, on its easterly side by the Sahuarro Lode of this survey, all owned by the Tube City Mining and Milling Co., and on its southerly side by the Guernsey and Wedge Lodes (Unsurveyed), owned by J. H. Montgomery and located February 19, 1906.

(Reference is here made to the plat of the entire group of claims owned by the Tube City Mining and Milling Co. which is submitted herewith, and which shows surrounding claims and which also shows the discrepancy between the location notice of the Guernsey Lode and the lines of the said claim as shown by the monuments on the ground).

The Sahuarro Lode is bounded on its westerly side by the Jack Rabbit No. 1 Lode of this survey, on its northerly side by the Agwa Lode of this survey, on its easterly side by the Standard Lode (Unsurveyed), all owned by the Tube City Mining and Milling Co., on the southerly side of the Sahuarro Lode the ground is unclaimed.

The Agwa Lode is bounded on its westerly side by the Keystone Lode of this survey, owned by the Tube City Mining and Milling Co., on the northerly side of the Agwa Lode the ground is unclaimed, on its easterly side it is bounded by the Tube City Lode (Unsurveyed), owned by the Tube City Mining and Milling Co., and on its southerly side by the Sahuarro Lode of this survey, owned by the Tube City Mining and Milling Co.

The Keystone Lode is bounded on its westerly side by the Wednesday Lode (Unsurveyed), owned by the Tube City Mining and Milling Co., on the northerly side of this lode the ground is unclaimed, on the easterly side it is bounded by the Agwa Lode of this survey and on its southerly side by the Jack Rabbit No. 1 Lode of this survey both owned by the Tube City Mining and Milling Co.

Presumed Courses of Veins.

The presumed course of the veins of the Jack Rabbit No. 1 Lode, the Keystone Lode and the Agwa Lode, is from the northerly end centre, S. 43°-03' W., 1500 feet, to the southerly end centre.

The presumed course of the vein of the Sahuarro Lode is from the northerly end centre, S. 43°-25' W., 1413.5 feet, to the southerly end centre.

Expenditure on Improvements.

I hereby certify that the value of the labor and improvements upon each of these lodes, placed thereon by the claimants and their grantors, is not less than Five Hundred Dollars (\$500) for each lode, and that the said improvements consist of the following development work:- Jack Rabbit No. 1 Lode.

Note:- Owing to the fact that the greater part of the work on these claims has been done from a working shaft on the Jack Rabbit No. 1 Lode, and as this work is very considerable in the extent of these workings, I have made an underground survey of these workings and have prepared a map of the same which is submitted herewith, and to which reference is hereby made.

No. 1, from a point on the Line 2-3 of the Jack Rabbit No. 1 Lode, and distant 891.3 feet from Cor. No. 2 of this Lode, Old shaft 4x6 feet, 160 feet deep bears S. 64½° E.

315 feet distant, at the bottom of this shaft and from the point marked B15 on the underground plat Discovery Cross-cut extends S. 63°-52' E., 4.32 ft. to B16, thence by the same course 39.78 ft. to B11, thence S. 81°-50' E., 42.30 ft. to the breast. Also from B16 drift extends S. 48°-16' W., 48.62 ft. to B17, thence s. 79°-15' w., 19.0 ft to breast and winze 20 ft. deep at right angles to and on southerly side of drift. Also from B15 cross -cut extends N. 50°-01' W., 45.98 ft. to Bel, thence N. 39°-00' W., 20.4 ft. to breast, from Bel drift extends S. 42°-00' W., 19.0 ft. to breast, also from Bel a spiral upraise whose general course is N. 29°-30' E., extends for a distance of about 80 ft. This comprises the discovery work and as it was impossible to carry a transit line down the old shaft, marked Shaft No. 1 on the plat, due to caving, the point B15 will later be located in these notes with reference to the other workings. It was also impossible to carry a transit line from Bel thro the spiral upraise due to the impossibility of making set-ups of the instrument. The value of the discovery work is as follows:-

From B15 thro B16 and B11 to breast	
Cross-cut 5x7 ft., 864ft. long	Value \$860
From B15 thro Bel to breast	
Cross-cut 5x7 ft., 66. ft. long	Value \$660
From Bel drift 5x7 ft., 19 ft. long "	\$190
From Bel spiral upraise 5x7 ft., 80 ft. long	Value \$800
From B16 thro B17 to breast	
Drift 5x7 ft., 68 ft. long and Winze 20 ft	Value \$880
Total value of this work	\$3390

No. 2, double compartment shaft, timbered, 250 ft. deep.
 The upper 160 ft. of this shaft Value \$4000
 The lower 90 ft. of this shaft Value \$5400
 Total value of this shaft \$9400

This shaft is located as follows:-
 As the underground survey is to be made from this shaft, I locate an Initial Point on the surface, the same being marked S0 on the plat.

From Cor. No. 2 of the Jack Rabbit No.1 Lode this Initial Point bears S. 1°-53' E., 644.5 ft. dist.
 From the transit point before described as on Line 2-3 of the Jack Rabbit No. 1 Lode and dist 891.3 ft. from Cor. No. 2, the Initial Point S0 bears N. 89°-21' E., 629.7 ft. dist.
 From this Initial Point S0, I establish a base-line N. 84°-51' W., 18.34 ft. to S1 and extended 3.58 ft. more to S2.

For projecting these points down the shaft I use two plumb-bobs of 50 lbs. weight each swung on plane-wire and each bob immersed in a keg of oil. On the 160 ft. level S1 is identical with B1 and S2 with B2. On the 250 ft. level, S1 is identical with C1 and S2 with C2.

I now proceed with the survey of the 160 ft. level.

Sec.1 from B2, I extend the base-line N. 84°-51' W., 10.18 ft. to B3; thence S. 23°-41' E., 25.98 ft. to Ba1; thence S. 40°-06' E., 64.35 ft. to Ba2; thence S. 49°-21' E., 105.0 ft. to Ba3; thence on the same course 6.5 ft. to breast; from Ba3 N. 58°-40' E., 47.0 ft. to breast. Total length 259 ft. Value \$2590

Sec. 2, from B3, I run in drift N. 20°-28' W., 19.53' to B4
 thence N. 51°-33' W., 19.52' to B5
 " S. 59°-08' W., 21.73' to B6
 " S. 83°-32' W., 23.97' to B7
 Drift 5x7 feet, total length 84.75'
 Value \$840

Sec. 3, from B5, I run in drift N. 8°-22' W., 22.52' to Bb1
 thence N. 9°-49' E., 43.42' to Bb2
 " N. 39°-17' E., 25.92' to Bb3
 " N. 58°-47' E., 40.00' to breast
 Drift 5x7 feet, total length 131.86'
 Value \$1310

Sec. 4, I descend to the 250 ft. level and proceed with the survey of that level.
 From C2, I extend the base line N. 84°51' W., 11.68' to C3;
 thence in x-cut S. 7°-25' W., 53.20' to breast
 from C3 in x-cut N. 31°-18' W., 21.94' to Cal
 Cross-cut 5x7 ft. total length 86.82'
 Value \$860

Sec. 5, from C3, I run in main drift N. 84°-51' W., 22.76' to C4;
 thence S. 50°-05' W., 27.31' to C5;
 " S. 50°-05' W., 16.84' to C6;
 " N. 64°-29' W., 34.16' to C7;
 " S. 42°-31' W., 120.59' to breast.
 Drift 5x7 feet, total length 221.66'
 Value \$2210

Sec. 6, from C4, I run in cross-cut N. 76°-13' W., 8.24' to Cc1;
 thence N. 57°-43' W., 31.60' to Cc2;
 " N. 57°-43' W., 69.00' to breast
 Cross-cut 5x7 feet, total length 108.24'
 Value \$1080

Sec. 7, from Cc1, I run in drift N. 52°-35' E., 28.08' to Cal;
 thence N. 56°-42' E., 23.60' to breast.
 Drift 5x7 feet, total length 51.68'
 Value \$510

Sec. 8, from Cc2, I run in drift N. 41°-47' E., 53.50' to breast.
 Drift 5x7 feet, total length 53.50 feet
 Value \$530

Sec. 9, from C7, I run in cross-cut N. 47°-29' W., 54.50' to breast.
 Cross-cut 5x7 feet, total length 54.50'
 Value \$540

From B7, which is foot of Shaft No. 3 on the 160 ft. level thence thro old workings S. 61°-37' W., 29.29' to B8, S. 29°-13' W., 60.38' to B12, S. 60°-26' W., 43.86' to B13 S. 42°-01' W., 80.00' to B14, which is the bottom of shaft No. 4 on the 160 ft. level, thence continuing on the same course S. 42°-01' W., 74.84' to B15 which is the initial point of the Discovery Work, No. 1, and is also the bottom of Shaft No. 1 on the 160 foot level. These notes are here given to properly tie the Dis. Work to the balance of the workings and the same will again be listed under the heading of "Other Improvements".

THE OFFICE OF THE REGISTER OF DEEDS
COUNTY OF COCHISE, ARIZONA
TO THE PUBLIC: I HAVE THIS DAY RECORDED
THE FOLLOWING INSTRUMENTS:

Tabulations of Values of Improvements on the Jack Rabbit No. 1 Lode.

	No. 1	\$3390
	No. 2	9400
Sec. 1	No. 3	2590
Sec. 2	No. 4	840
Sec. 3	No. 5	1310
Sec. 4	No. 6	860
Sec. 5	No. 7	2210
Sec. 6	No. 8	1090
Sec. 7	No. 9	510
Sec. 8	No. 10	530
Sec. 9	No. 11	540
		<u>\$23270</u>

Owing to the fact that the shaft designated as Shaft No. 2 is the working shaft for the entire group and that the workings extending therefrom form a system whereby the claims of the entire group can be and are being advantageously developed owing to the direction in which these workings are extending and also the fact that these workings are exposing the ore bodies as the workings are proceeding as indicated by the outcroppings, and also from the fact that this working shaft is topographically situated for the most economical handling of the ores; therefore considering these facts I apportion a 1/4 interest in this shaft and its workings to each of the claims in the group.

Value of 1/4 interest in above shaft with its underground workings to the Jack Rabbit No. 1 Lode.

Value \$5817.5

Keystone Lode.

No. 1, from the southerly end centre of the Keystone Lode, Dis. Shaft No. 1, bears N. 43°-03' E., 465' dist.

Shaft 4x6x15 feet Value \$100

No. 2, from the southerly end centre of the Keystone Lode, Shaft No. 2 bears N. 77°-20' E., 465' dist. Shaft 4x6x15 feet Value \$100

No. 3, Note: A 1/4 interest in the value of Shaft No. 2 on the Jack Rabbit No. 1 Lode with its underground workings is credited to this claim

Value \$5817.5

Total value on this claim \$6017.5

Sahuarro Lode.

No. 1, from the northerly end centre of the Sahuarro Lode, Dis. Shaft No. 1 bears S. 43°-34' W., 560' dist.

Shaft 4x6x15 feet Value \$100

No. 2, Note: A 1/4 interest in the value of Shaft No. 2 on the Jack Rabbit No. 1 Lode with its underground workings is credited to this claim

Value \$5817.5

Total value for this claim \$5917

Agwa Lode.

No. 1, from the southerly end centre of the Agwa Lode,
Dis. Shaft No. 1, bears N. 43°-03' E., 1420' dist.

Shaft 4x6x15 feet Value \$100

No. 2, from the southerly end centre of the Agwa Lode,
Shaft No. 2, bears N. 51°-00' E., 1420' dist.

Shaft 4x6x15 feet Value \$100

No. 3, Note: A $\frac{1}{4}$ interest in the value of Shaft No. 2 on
the Jack Rabbit No. 1 Lode with its underground workings,
is credited to this claim

Value \$5817.5

Total value for this claim \$6017

Total value of improvements on all claims \$23770

Other Improvements

On line 2-3 of the Jack Rabbit No. 1 Lode, at a point
891.3 feet from Cor. No. 2 of the Jack Rabbit No. 1 Lode

Shaft No. 1 bears S. 64°-30' E., 315' dist.

Shaft No. 3 bears N. 79°-10' E., 490' dist.

Shaft No. 4 bears S. 77°-30' E., 340' dist.

A frame building 16x54 ft. bears S 46°-00' E. 130' dist.

At Point B7 already described being at the foot of Shaft
No. 3 on the 160 foot level I run thro old workings as

follows S. 61°-37' W., 29.29' to B8;

thence S. 29°-13' W., 13.00' to B9;

thence S. 29°-13' W., 28.37' to B10;

thence S. 29°-13' W., 11.20' to B11;

thence S. 29°-13' W., 7.81' to B12;

thence S. 60°-26' W., 43.86' to B13;

thence S. 42°-01' W., 80.00' to B14 at the foot of Shaft4;

thence S. 42°-01' W., 74.84' to B15 the initial point of

the Dis. work on this claim and which has been already
described.

Instruments.

The surface survey was made with a Young & Sons' Light
Mountain Transit, reading to single minutes on the hori-
zontal limb, and having a solar attachment.

The underground survey was made with a Seelig and Son's
Transit reading to 30 seconds on the horizontal limb.

All distances were measured with a 100 foot steel tape,
graduated to hundredths of a foot and double readings
taken for each distance.

All courses were deflected from the true meridian as de-
termined by a Polaris observation.

Polaris Observation.

At 1h 4m a.m., l.m.t., Dec. 27th, 1907, I observe Polaris
at Western elongation, and mark the line by driving an iron
rod 4ft. long in the ground 300 ft. north of Cor. No. 1
of the Jack Rabbit No.1 Lode; at 7:30 a.m. of the same date
I deflect from the line previously marked, an azimuth of
1°-24' to the East, and determine a true meridian, with
which lines as determined by the solar agree.

Edgar C. Dietrich
U. S. Mineral Surveyor.

Surface survey commenced Dec. 27, 1907, completed Jan. 8, 1908.
Underground Sur. " Sept. 20, 1908, "m Sept 27, 1908.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich

United States Deputy Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of

E. R. Zimmerman

known as the Jack Rabbit No. 1, Sahuarros, Keystone and Agwa

and showing the respective capacities in which they acted.

Arthur Pogue, Chairman.

Jim Hughes, Chairman.

Arman.

William C. Goetz, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Arthur Pogue, Jim Hughes

and William C. Goetz, do solemnly swear that we assisted Edgar C.

Dietrich, United States Deputy Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of E. R. Zimmerman

known as the Jack Rabbit No. 1, Sahuarros, Keystone and Agwa

represented in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under his

direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and

correctly executed, and the corner and boundary monuments established according to law and the instructions

furnished by the United States Surveyor-General for Arizona

Arthur M. Pogue Chairman.
James Hughes, Chairman.
Arman.
W. C. Goetz, Flagman.

Subscribed and sworn to by the above-named persons before me this 20th

day of January, 1908.

James R. Newcomb
U. S. Commissioner 1st Jud. Dist.
Territory of Arizona.

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Edgar C. Dietrich, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Dec. 24th, 1907. I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of E. R. Zimmerman, known as the Jack Rabbit No. 1, Sahuarro, Keystone and Agwa, situate in Casa Grande Mining District, Pinal County, Arizona, in Section Approximately, Township No. 9 S., Range No. 4 E., Unsurveyed, and designated as Survey No. 2441, 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 Surveyor General with said instructions, and that all the 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 his 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.

Edgar C. Dietrich
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said E. C. Dietrich
U. S. Deputy Mineral Surveyor, before me James R. Stewart
this 20th
day of January 1908,
James R. Stewart
U. S. Commissioner 1st Jud. Dist.
Territory of Arizona.

Affidavit of Five Hundred Dollars Improvements.

We, Arthur Pogue, and Jim Hughes

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Jack Rabbit No. 1, Keystone, Sahuarro and Agwa mining claim, situate in Casa Grande Mining district, Pinal County, Arizona Territory, for which Frank H. Hereford, Attorney

has made application for survey prior to application for patent under the provisions of the act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and his grantor exceed Five Hundred Dollars in value, ^{for each of said claims} and further that we are not personally interested in said mines.

Arthur M. Pogue
James Hughes

TERRITORY OF ARIZONA,
County of Pinal } ss:

Sworn to and subscribed before me, this 20th day of January, 1908

James R. Stewart



Faint red text at bottom right

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the JACK RABBIT #1
Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by E. R. Zimmerman

a Citizen of the United States,
(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 15th, day of October, 1907.

The length of this claim is 1500 feet,
and I claim 800 feet,
in a north-easterly direction and
700 feet in a south-westerly direction from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together
with 300 feet in width of the surface grounds, on each
side of the center of said claim. The general course of the lode deposit and premises is from the
north-east to the south-west.

The claim is situated and located in the Casa Grande Mining District, in
Pinal County, in the Territory of Arizona, about 22 miles
in a southerly direction from ^{the} Casa Grande Station on the
Southern Pacific Railroad and is one of the group known as the Jack
Rabbit Mines or Mining Claims. This group is located as abandoned prop-
erty and from the south-easterly corner of this claim U.S.L.M. 1353
bears N. 85° - 13' E., 871.4 feet.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
a pine post and mound of stone

at a point ~~xxx~~ N. 43° - 03' E. ~~thereof~~ 800 feet from
the discovery shaft (at which this notice is posted,) being in the center of the northerly
end line of said claim; thence N. 46° - 03' W., 300 feet to a pine post and
mound of stone, being the north-westerly corner of said claim; thence
S. 43° - 03' W., 1500 feet to a pine post and md. of stone, being at the
south-westerly corner of said claim; thence S. 46° - 03' E., 300 feet
to a pine post and md. of stone at the center of the southerly end of said claim;
thence S. 46° - 03' E., 300 feet to a pine post and md. of stone, being at the
south-easterly corner of said claim; thence N. 43° - 03' E., 1500
feet to a pine post and md. of stone the north-easterly corner of said claim;
thence N. 46° - 03' W., 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of
the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise
and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Jack Rabbit # 1
Mining Claim, located by E. R. Zimmerman, a citizen of the United States,
on the January 1st, day of
1905, and recorded in Book 22 of Records of Mines, at
page 235, in the office of the County Recorder of the aforesaid County of Pinal
to which reference is hereby made, and this Amended Location Notice is made and posted to
correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 15th, day of October, 1907.

Filed and recorded at request E. R. Zimmerman
of E. C. Dietrich November 29th
D. 1907 at 10 A. M.
G. F. Watson, Recorder.

Territory of Arizona
 County of Pinal. SS

I, G. F. Watson, County Recorder,
 in and for the County of Pinal, Territory of Arizona,
 do hereby certify that the above and foregoing, is
 a full, true and correct copy of the -Jack Rabbit ~~#1~~
 Location notice as the same appears of record in
 this office in Book 1 of Amended Location Notices
 at page - 78- thereof.

Witness my hand and seal of office this 3rd day of
 December, A. D. 1907

Recorder... *G. F. Watson*

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Sahuarro Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by E. R. Zimmerman

a citizen of the United States

(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 15th, day of October 1907

The length of this claim is 1413.5 feet, and I claim 560 feet,

in a Northerly direction and 853.5 feet in a Southerly direction from

the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each

side of the center of said claim. The general course of the lode deposit and premises is from the North-east to the South-west

The claim is situated and located in the Casa Grande Mining District, in Pinal County, in the Territory of Arizona, about 22 miles

in a Southerly direction from ^{the} Casa Grande Station on the Southern Pacific Railroad. This ground is located as abandoned property and is one of the group known as the Jack Rabbit Mines or Mining Claims, from the north-easterly corner of this claim, U.S.L.M. 1353 bears N. 41° 42' E. 640.1 ft.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a pine post and mound of stone

at a point ~~xxx~~ S. 43° 22' W. ~~xxxxx~~ 853.5 feet from the discovery shaft (at which this notice is posted), being in the center of the southerly end line of said claim; thence N. 47° 31' W. 297.7 feet to a pine post and mound of stone, being the south-westerly corner of said claim; thence N. 45° 03' E. 1413.5 feet to a pine post and mound of stone, being at the north-westerly corner of said claim; thence S. 47° 31' E. 300 feet to a pine post and mound of stone at the center of the northerly end of said claim; thence S. 47° 31' E., 300 feet to a pine post and mound of stone, being at the north-easterly corner of said claim; thence S. 43° 34' W. 1413.5 feet to a pine post and mound of stone at the south-easterly corner of said claim; thence N. 47° 31' W. 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Sahuarro Mining Claim, located by E. R. Zimmerman, a citizen of the United States on the first day of January 1905, and recorded in Book 22 of Records of Mines, at page 236, in the office of the County Recorder of the aforesaid County of Pinal to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 15th, day of October 1907.

Filed and recorded at request of E. R. Zimmerman
E. C. Dietrich November 29th, A.D.

1907 at 10 o'clock A. M.

G. F. Watson, Recorder.

TERRITORY OF ARIZONA,

County of.....

} ss.

I,....., County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at.....o'clock,.....M., on this.....day of.....190..., and duly recorded in Book No..... of.....Records of.....County, Arizona, at pages.....

WITNESS my hand and official seal the day and year first above written.

..... County Recorder.

AMENDED Notice of Location. LODE CLAIM.

Dated.....190.....

Filed and Recorded at request of

..... A. D. 190.....

at.....M.

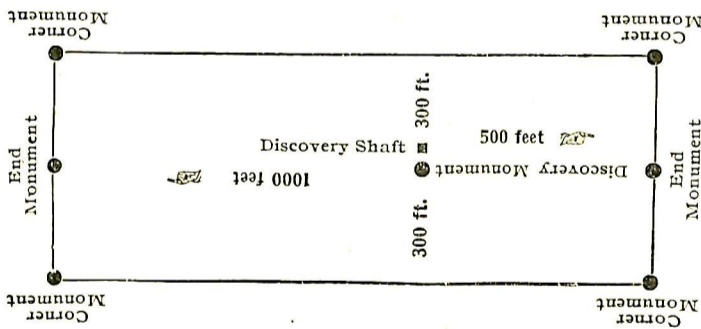
Book.....

Pages.....

..... County Recorder.

By..... Deputy Recorder.

THE H. H. McNEIL CO., PRINTERS, PHOENIX, ARIZ.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

Territory of Arizona
County of Pinal.

ss

I, G. F. Watson, County Recorder,
in and for the County of Pinal, Territory of Arizona,
do hereby certify that the above and foregoing, is
a full, true and correct copy of the -Sahuarro-
Location notice as the same appears of record in
this office in Book 1 of Amended Location Notices
at page - 79- thereof.

Witness my hand and seal of office this 5th day of
December, A. D. 1907

Recorder.....*G. F. Watson*.....

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Keystone-
Mining Claim, situate on lands belonging to the United States of America, and in which there
are valuable mineral deposits, was entered upon and located for the purposes of exploration and
purchase by E. R. Zimmerman, a citizen of the United States

(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 12th day of May- 1907

The length of this claim is -- 1500 feet,
and I claim 1110- feet,
in a North easterly direction and
390- feet in a South westerly direction from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together
with ----- 300- feet in width of the surface grounds, on each
side of the center of said claim. The general course of the lode deposit and premises is from the
North east to the South west

The claim is situated and located in the Casa Grande Mining District, in
Pinal County, in the Territory of Arizona, about 22 miles in a South-
erly-in-a direction from Casa direction-from Grande Station on the Southern
Pacific Railroad, and is one of the group known as the Jack Rabbit Mines
or mining claims. This ground is located as abandoned property, from the
South Eastern Corner of this Claim U. S. L. M. # 1353 bears N85°13' E. 871.4ft.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
a pine post and Mound of Stone

at a point ~~in a~~ S. 77°-20' W ~~direction~~ 465 feet from
the discovery shaft (at which this notice is posted,) being in the center of the Southerly
end line of said claim; thence N. 46°-03' -W-300 feet to a pine post or
Md of stone, being the South Westerly corner of said claim; thence
N. 43°-03' - E. 1500 feet to apine post & Md of Stone, being at the
North westerly corner of said claim; thence 46°- 03' - E. 300 feet
to pine post & Md of Stones at the center of the Northerly end of said claim;
thence S. 46°-03' - W. 300 feet to apine post & Md of stone, being at the
North easterly corner of said claim; thence S. 43°- 03' - W. 1500
feet to pine post & Md of stone at the South easterly corner of said claim;
thence N. 46°- 03' W. 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of
the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise
and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Keystone-
Mining Claim, located by E. R. Zimmerman, a citizen of the United
States on the first day of
January- 1906, and recorded in Book --23- of Records of Mines, at
page 354, in the office of the County Recorder of the aforesaid County of Pinal
to which reference is hereby made, and this Amended Location Notice is made and posted to
correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 12th day of May- 1907

E. R. Zimmerman-

TERRITORY OF ARIZONA,
 County of Pinal- } ss.

I, G. F. Watson-, County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at 9 o'clock, A. M., on this 3rd- day of June- 1907 and duly recorded in Book No. 1 of Mines- Amended Records of --Pinal County, Arizona, at pages --15

WITNESS my hand and official seal the day and year first above written.

G. F. Watson-

County Recorder.

AMENDED
Notice of Location.
 LODGE CLAIM.

Keystone-

Dated May- 12th 1907

Filed and Recorded at request of

Frank H. Hereford-

June- 3rd- A. D. 1907

at -- 9- O'Clock-- A. M.

Book -1- of Mines Amended

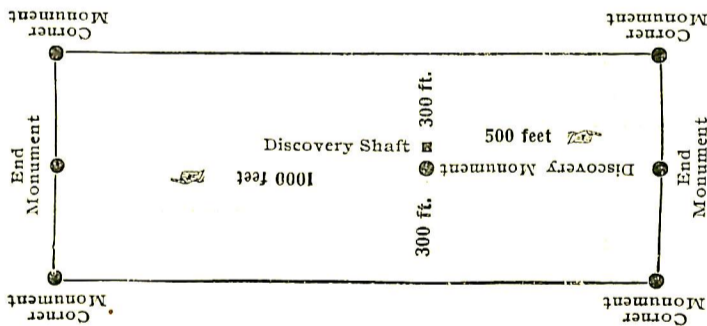
Pages --15-

G. F. Watson-

County Recorder.

By N. N. Wells-

Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

Territory of Arizona

SS

County of Pinal

I, G. F. Watson, County Recorder,
in and for the County of Pinal, Territory of Arizona,
do hereby certify that the foregoing copy of the
Location Notice of the Keystone- Mining Claim,
is a full, true, and correct copy of the original, as
the same appears of record in the office of the County
Recorder, Pinal County, Arizona Territory, in Records
of Mines- Book- 1- of Mines Amended- at page --15-----
thereof.

Witness my hand and seal of office this 4th day of June

A. D. 1907

G. F. Watson
County Recorder, Pinal County, Arizona Territory.

AMENDED
Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the AGWA
Mining Claim, situate on lands belonging to the United States of America, and in which there
are valuable mineral deposits, was entered upon and located for the purposes of exploration and
purchase by E. P. Zimmerman, a citizen of the United States

(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 12 day of May 1907

The length of this claim is 1500 feet,
and I claim 90 feet,
in a northerly direction and

1410 feet in a Southerly direction from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together
with 300 feet in width of the surface grounds, on each

side of the center of said claim. The general course of the lode deposit and premises is from the
North East to the South West

The claim is situated and located in the Casa Grande Mining District, in
Pinal County, in the Territory of Arizona, about 22 miles in a Southerly
Direction from the Casa Grande Station on the Southern Pacific Railroad

this ground is one of the group known as the Jack Rabbit Mine, or Mining Claims
& is located as abandoned property, from the South Eastern Corner of this claim

U. S. L. M. # 1353 N. 41° - 48° E. 640. 1 ft-

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
a pine post and Mound of stone

at a point in a S. 51° - W direction 1420 feet from
the discovery shaft (at which this notice is posted,) being in the center of the Southerly
end line of said claim; thence N. 47° - 31' W. 1300 feet to a pine post &
Md. of stone, being the South Westerly corner of said claim; thence
N. 45° - 03' 1500 feet to a pine post & Md of stone, being at the
North westerly corner of said claim; thence S. 47° - 31' - E. 300 feet
to a pine post & Md. of stone at the center of the Northerly end of said claim;
thence S. 47° - 31' E. 300 feet to a pine post & Md. of stone, being at the
North easterly corner of said claim; thence S. 45° - 03' W. 1500
feet to a pine post & Md of stones at the South easterly corner of said claim;
thence N. 47° - 31' W. 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of
the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise
and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the AGWAS
Mining Claim, located by E. P. Zimmerman, a citizen of the United
States- on the 24th day of
July 1905, and recorded in Book 23 of Records of Mines, at
page 144, in the office of the County Recorder of the aforesaid County on Oct. 5. 1905
to which reference is hereby made, and this Amended Location Notice is made and posted to
correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 12 day of May 1907
E. R. Zimmerman-

TERRITORY OF ARIZONA, }
County of Pinal } ss.

I, G. F. Watson-
County Recorder in and for the County and
Territory aforesaid, do hereby certify that the within instrument was filed for record at 9 o'clock, A. M.,
on this 3rd day of June- 1907 and duly recorded in Book No. 1
of Mines Amended Records of Pinal County, Arizona, at pages 13

WITNESS my hand and official seal the day and year first above written.

G. F. Watson-

County Recorder.

AMENDED
Notice of Location.
LODE CLAIM.

AGWA

Dated May- 12th 1907

Filed and Recorded at request of

Frank H. Hereford-

June 3rd- A. D. 1907

at 9- 0' Clock- A. M.

Book 1- of Mines Amended

Pages 13

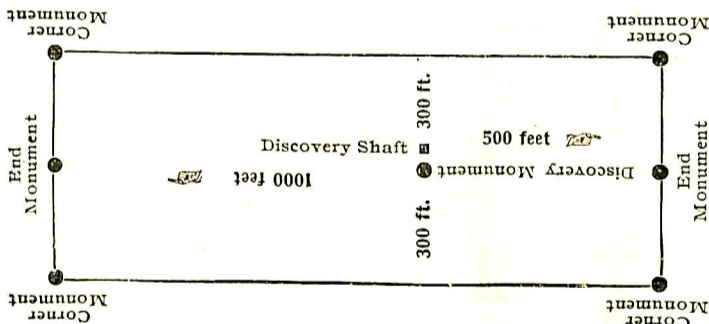
G. F. Watson

County Recorder.

N. N. Wells-

By Deputy Recorder.

THE H. H. MCNEIL CO., PRINTERS, PHOENIX, ARIZ.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

Territory of Arizona

65

County of Pinal

I, G. F. Watson, County Recorder,

in and for the County of Pinal, Territory of Arizona,

do hereby certify that the foregoing copy of the

Location Notice of the -AGWA*** Mining Claim,

is a full, true, and correct copy of the original, as

the same appears of record in the office of the County

Recorder, Pinal County, Arizona Territory, in Records

of Mines- Book- 1- of Mines Amended- at page --13-----
thereof.

Witness my hand and seal of office this 4th day of June

A. D. 1907

G. F. Watson
County Recorder, Pinal County, Arizona Territory.

4-688.

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

June 23, 1909

I, U. S. Surveyor-General for District of Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

E. R. Zimmerman

known as the Jack Rabbit #1, Sahuarro, Keystone and Agwa.

situate in Casa Grande

Mining District, Pinal County, Arizona.

in Section APPROX., Township No. 9 S., Range No. 4 E., Unsur., and designated as Survey No. 2441., has been correctly copied from the originals on file in

this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the *locus* thereof.

And I further certify that ^{not less than} five hundred dollars' worth of labor has been expended or improvements made upon ^{or for each of} said mining claim^s by claimant or his grantors, and that said improvements consist of 6 shafts and 1391.42 ft. of underground workings, total value \$23,770.00. As shaft No. 2 on the Jack Rabbit #1 lode, with underground workings therefrom, value \$23,270, form a system of common improvements for the benefit and development of all the claims in this survey, an undivided one-fourth interest therein, value \$5817.5, is properly credited to each of the four claims in this group.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,

Arizona is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls,

United States Surveyor-General for Arizona

4-687.

**SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD
NOTES AND SURVEY OF MINING CLAIM.**

Department of the Interior,

Office of U. S. Surveyor-General,

Phoenix, Arizona,

June 23, 1909.

I, U. S. Surveyor-General for District of Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of

E. R. Zimmerman

, known as the

Jack Rabbit #1, Sahuarro, Keystone and Agwa

situate in Casa Grande Mining District,

Pinal County, Arizona

in Section APPROX., Township No. 9 S., Range No. 4 E. Unsur.

, designated as Survey No. 2441

executed by Edgar C. Dietrich, U. S. Deputy Mineral

Surveyor, Dec. 27, 1907-- Sept. 27, 1908, under my instructions dated

Dec. 24, 1907, 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. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Frank S. Lyall

U. S. Surveyor-General for Arizona.

M A P