

BOOK 3577

FIELD NOTES

BOOK 3577

OF THE SURVEY OF THE

"ORA" unpatented lode mining claim

Segregating from

Section 9, Township 1 South, Range 3 East

of the Gila and Salt River Base & Meridian,

In the State of Arizona

EXECUTED BY

Benjamin J. Kinsey

U.S. Transitman

In the capacity of U. S. Surveyor, under instructions dated April 11, 1923, issued by the United States Surveyor General to govern surveys included in Group No. 115, which were approved by the Commissioner of the General Land Office, April 23, 1923, and Assignment Instructions dated May 18, 1923.

Survey commenced May 19, 1923

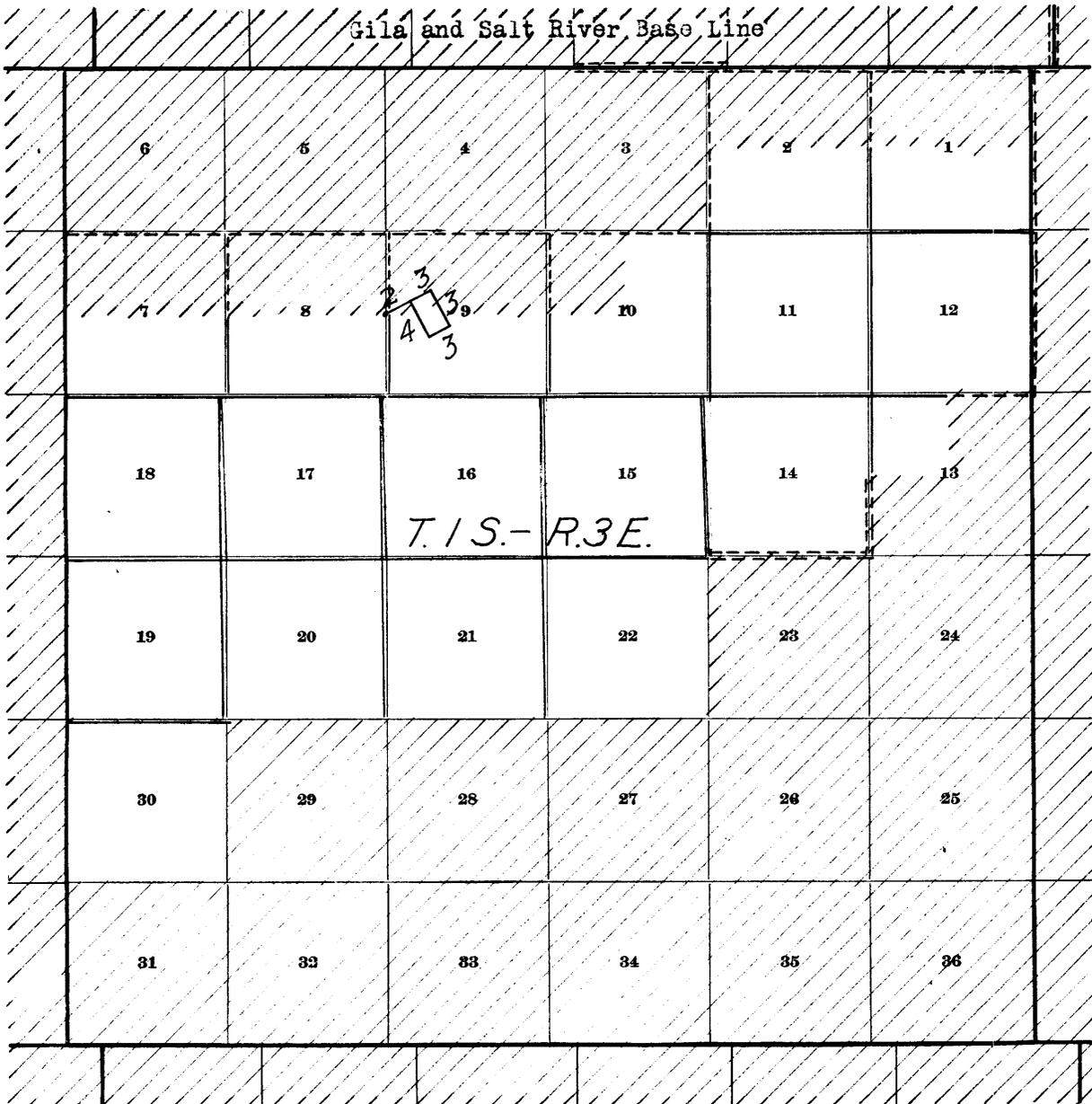
Survey completed May 19, 1923

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INDEX DIAGRAM.



- Lines surveyed under this group.
- ==== Lines retraced under Group 116.
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- Accepted surveys.
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Segregation survey of the "Ora" lode Mining Claim.

Chains.

The following notes describe the survey of the "Ora" lode mining claim for the purpose of segregating the same from section 9, T.1 S., R. 3 E., G. & S.R.B. & M., Arizona, Survey executed on May 19, 1923, by Benjamin J. Kinsey, U.S. Transitman, using a Buff Rocky Mountain Favorite solar transit No. 9940, 1915 model, equipped with U-shaped standards, $4\frac{1}{2}$ in. horizontal circles, 4-inch vertical circle, and the improved Smith solar attachment. All azimuths are accomplished by deflections from meridian determined by observations on Polaris.

FIELD TEST OF INSTRUMENT.

May 19, 1923, examine the adjustment of the instrument, and correct all errors; then to test the solar apparatus by comparing its indications from observations made during a.m. and p.m. hours with a meridian established by Polaris observation, proceed as follows:

At camp near the cor. of secs. 4, 5, 8 and 9, T.1 S., R.3 E., Gila and Salt River Base and Meridian, Arizona, in latitude $33^{\circ}21\frac{1}{2}'$ N., and longitude $112^{\circ}04'$ W. at 3h. 51.4m. a.m., l.m.t., observe Polaris at Eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined by a tack in a peg driven firmly in the ground 5 chs. N.

Azimuth of Polaris at Eastern elongation = $1^{\circ}19'45''$.

Lay off the azimuth of Polaris $1^{\circ}20'$ to the west, and mark the meridian thus determined by a tack in a peg driven firmly in the ground 5 chs. N.

At 7h. 30m. a.m., l.m.t., set off $33^{\circ}21\frac{1}{2}'$ N. on the lat. arc; $19^{\circ}38\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is $19^{\circ}40\frac{1}{2}'$ N., which agrees with the computed declination of the sun.

At 4h. 30m. p.m., l.m.t., with the lat. arc unchanged, set off $19^{\circ}43\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar; which agrees with the true meridian.

All measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Lufkin standard steel tape and found correct.

The measurements are made on the slope, the vertical angles determined with clinometer, and the slope measurements properly reduced to true horizontal distances.

NOTE.

For the field notes of the retracement, resurvey, and survey of the boundaries of Section 9, T.1 S., R.3 E., see Book "P" of field notes, Group 116, Arizona.

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TIE TO LOCATION.

The $\frac{1}{4}$ sec. cor. of secs. 8 and 9 as reestablished March 14, 1922, by Sidney E. Blout, U.S. Cadastral Engineer under instructions for Group 116, Arizona, is an iron post, 1 in. in diam., projecting 9 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of cor. No bearing trees.

Thence,
N. $66^{\circ}11'E.$, on true line toward flag visible on the NW. cor. of the location of the "Ora" lode mining claim.

- 10.18 Intersect the NW. cor. of "Ora" claim location, which is a palo verde post, 4 ins. square, 3 ft. long, firmly set in a mound of stone.

RETRACEMENT OF LOCATION.

From the NW. cor. of the location,
N. $53^{\circ}52'E.$, on true line, toward flag visible at the NW. end center cor. of location.

- 4.57 Intersect the NW. end center cor. of location, which is a palo verde post, 4 ins. square, 3 ft. long, firmly set in a mound of stone.

True course and dist. of the SW. $\frac{1}{2}$ of the NW. end line of the location are therefore N. $53^{\circ}52'E.$, 4.57 chs.

Thence,
N. $53^{\circ}52'E.$, on a true line, toward flag visible at the NE. cor. of location.

- 4.57 Intersect the NE. cor. of location, which is a palo verde post, 4 ins. square, 4 ft. long, firmly set in a mound of stone.

True course and dist. of NE. $\frac{1}{2}$ of the NW. end line of the location are therefore N. $53^{\circ}52'E.$, 4.57 chs.

Thence,
S. $36^{\circ}08'E.$, on true line, toward flag visible at the SE. cor. of location.

- 22.77 Intersect the SE. cor. of location which is a palo verde post, 4 ins. square, 4 ft. long, firmly set in a mound of stones.

True course and dist. of the NE. side line of location are therefore S. $36^{\circ}08'E.$, 22.77 chs.

Thence,
S. $53^{\circ}52'W.$, on true line toward flag visible at the SE. end center of the location.

- 4.55 Intersect the SE. end center cor. of location, which is a palo verde post 4 ins. square, 3 ft. long, firmly set in a mound of stone.

Thence,
S. $53^{\circ}52'W.$, on true line, toward flag at the SW. cor. of location.

- 4.54 Intersect the SW. cor. of location, which is a palo verde post, 4 ins. square, 3 ft. long, firmly set in a mound of stone, on precipitous NW. slope.

Thence,
N. $36^{\circ}08'W.$, on a random line, on SW. side line of location,
22.77 Fall $1\frac{1}{2}$ lks. N. $53^{\circ}52'E.$, from the NW. cor. of location, hereinbefore described.

SURVEY.

At a point $1\frac{1}{2}$ lks. N. $53^{\circ}52'E.$ from the NW. cor. of the location, hereinbefore described, establish the NW. cor. of the "Ora" lode mining claim, as follows:
Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, supported by a mound of stone, for Cor. No. 1 (NW. cor.) of the claim, with brass cap, marked

Segregation survey of the "Ora" lode mining claim.

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No. 1
O L
1923

Raise a mound of stone, 3 ft. base, 2 ft. high, SE. of post, 3 ft. dist.

Thence, N. 53° 52' E., on true line, on NW. end line of the claim. Over rolling land, sloping NW., thru. scattering undergrowth.

4.55 Intersect the NW. end center cor. of location, hereinbefore described.

At this point, set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, with old wood post set same depth in ground alongside, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around the posts, for NW. end center cor. (No. 2) of the claim, with brass cap, marked

No. 2
O L
1923

Continue line and measurement.

9.09 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) and a wooden stake at base of post, and raise a mound of stone around post for cor. No. 3 (NE. cor.) of the claim, with brass cap, marked

No. 3
O L
1923

From this cor., the NE. cor. of the location, hereinbefore described, brs. N. 53° 52' E., 3 1/2 lks. dist.

From cor. No. 3 (NE. cor.)

S. 36° 08' E., on true line, on NE. side line of claim. Over rolling and mountainous land, thru. scattering undergrowth.

22.73 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. No. 4 (SE. cor.) of the claim, with brass cap, marked

No. 4
O L
1923

From this cor., the SE. cor. of location, hereinbefore described, brs. S. 77° 19' E., 5 1/2 lks. dist.

From cor. No. 4 (SE. cor.)

S. 53° 52' W., on true line, on SE. end line of claim. Over mountainous land, thru. scattering undergrowth.

4.54 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. No. 5 (SE. end center cor.) of the claim, with brass cap, marked

No. 5
O L
1923

From this cor., the SE. end center cor. of location, hereinbefore described, brs. S. 58° E., 4 1/2 lks. dist. Continue line and measurement.

9.09 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in

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the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor.No.6 (SW.cor.) of the claim, with brass cap, marked

No.6

O L

1923

From this cor., the SW.cor. of the location, hereinbefore described, brs. S.77° 19' E., 5½ lks. dist.

From cor.No.6 (SW.cor.),

N.36°08'W., on true line, on SW.side line of claim.

Over mountainous and rolling land, thru. scattering undergrowth.

22.73

Intersect cor.No.1 (NW.cor.) of claim, hereinbefore described.

Land, rolling and mountainous at NW. foot of the Salt River Mountains.

Soil rocky, 4th rate.

Timber, none.

Undergrowth, scattering greasewood and cactus.

No grass.

AREA.

The "ORA" unpatented lode mining claim, surveyed as described in the foregoing notes contains an area of 20.66 acres.