

Book "F"

4-679

BOOK 3603

FIELD NOTES

OF THE RETRACEMENT OF

North Boundary of Township 5 South, Range 13 East

OF THE RESURVEY OF

Part of East Boundary of Township 4 South, Range 13 East

AND OF THE SURVEY OF

South Boundary

West Boundary

Part (Completion) of East Boundary and

All of the Subdivision Lines of

Township 4 South, Range 13 East

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

William H. Thorn, U.S. Cadastral Engineer

and

Quintin Campbell, U.S. Surveyor

In the capacity of U. S. Surveyor, under Special Instructions dated January 31, 1922, issued by the United States Surveyor General to govern surveys included in Group No. 117, Arizona, which were approved by the Commissioner of the General Land Office, February 7, 1922, and Assignment Instructions dated January 30, 1922 and February 25, 1922.

Retracement,
Resurvey and Survey commenced February 6, 1922.

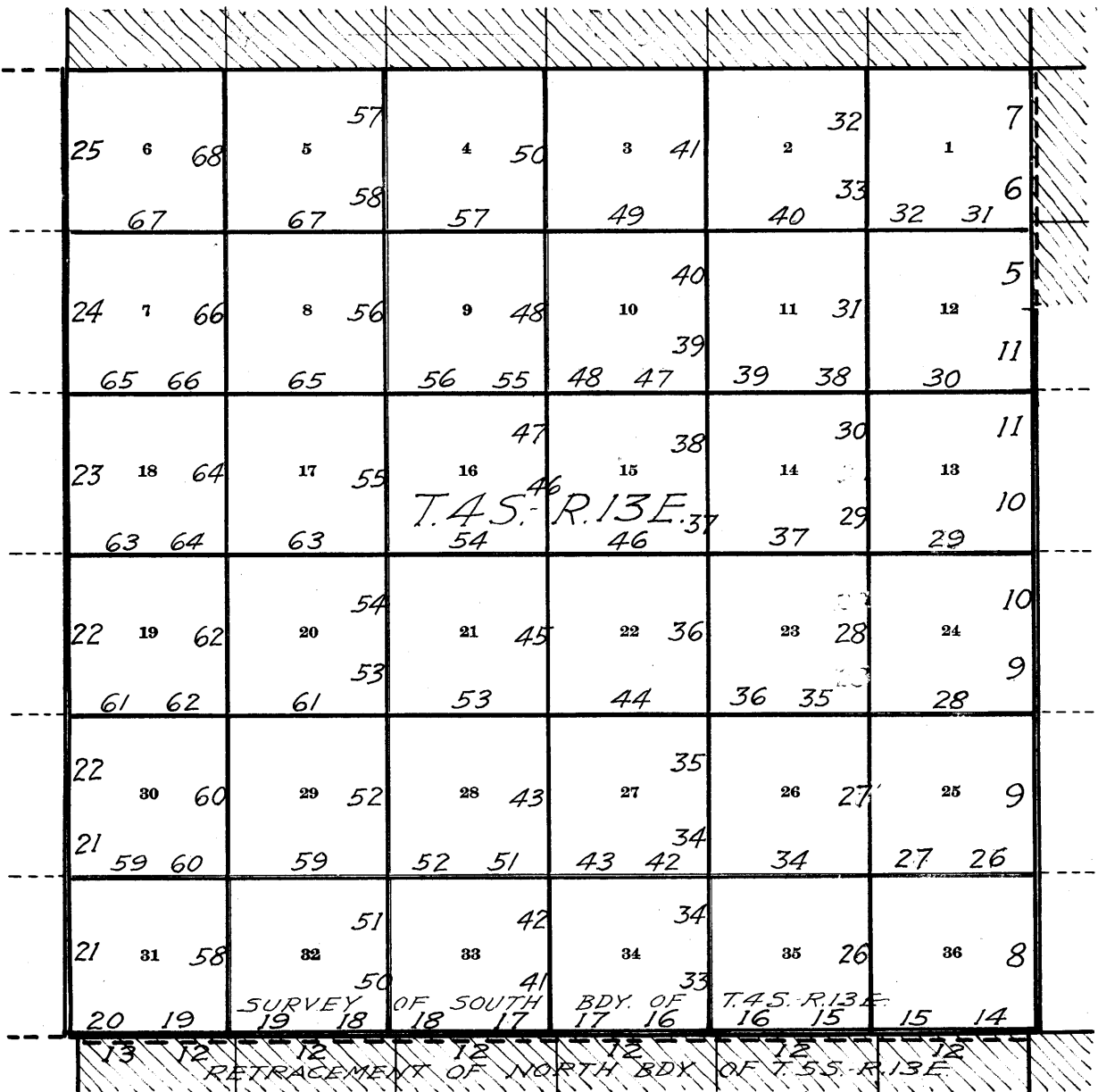
Retracement,
Resurvey and Survey completed March 13, 1922.

Book "F"

Group 117 - Arizona.

BOOK 3603

INDEX DIAGRAM.



- Lines surveyed under this group.
- Lines resurveyed under this group.
- Lines retraced-surveyed under this group.
- Accepted surveys.
- Unsurveyed.
- Areas surveyed as per accepted plats. on file.

Book "F"
 Group 117 Arizona
 Township 4 South, Range 13 East

DATE DIAGRAM

1922

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Indicates surveys executed by William H. Thorn, U.S. Cadastral Engineer, on dates shown thereon.

Indicates resurveys executed by William H. Thorn, U.S. Cadastral Engineer, on dates shown thereon.

Indicates retracement-survey executed by William H. Thorn, U.S. Cadastral Engineer, on dates shown thereon.

Indicates surveys executed by Quintin Campbell, U.S. Surveyor, on dates shown thereon.

Indicates accepted surveys.

Resurveys and Surveys herein described were executed on dates shown on diagram on page 1 hereof by Wm. H. Thorn, U.S.Cadastral Engineer and Quintin Campbell, U.S.Surveyor, using respectively Young and Sons light mountain transits Nos. 8592 and 8487; each equipped with full vertical circles and Smith solar attachment.. Unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

Field test of Instrument No.8592 by
William H. Thorn, U.S.Cadastral Engineer.

February 6, 1922: I examine the adjustments of the instrument and correct all errors; then, to test the solar apparatus, by comparing its indications, resulting from observations made during a.m. and p.m. hours with a meridian established by Polaris observations, I proceed as follows:

At my camp at Wooley Station, in sec. 10, T. 4 S., R. 13 E., G. and S. R. B. and M., Arizona, lat. $33^{\circ}6'N.$, long. $111^{\circ} \frac{1}{2}'W.$, at 10 hrs. 23.6 m., p.m., l.m.t., I observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground, 5 chs. N.

Azimuth of Polaris at western elongation is $1^{\circ}19'18''$

February 7, 1922: At 8 hrs. 2 m., a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}19 \frac{1}{2}'$ to the east, and mark the meridian thus determined by a tack driven in a peg set in the ground, 5 chs. N.

At 9 hrs. 0 m., a.m., l.m.t., I set off $33^{\circ}6'N.$ on the lat arc; $15^{\circ}22'S.$ on the decl. arc; and determine a meridian with the solar, which I find to agree with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian with the solar; the resulting reading of the decl. arc is $15^{\circ}20 \frac{1}{2}'S.$, which is the computed decl. of the sun.

At 3 hrs. 2 m., p.m., l.m.t., with the lat. arc unchanged, I set off $15^{\circ}17 \frac{1}{2}'S.$ on the decl. arc; and determine a meridian with the solar, which I find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Field test of Instrument No. 8487 by
Quintin Campbell, U. S. Surveyor.

February 26, 1922: I examine the adjustments of the instrument and correct all errors; then, to test the solar apparatus, by comparing its indications, resulting from observations made during a.m. and p.m. hours, with a meridian established by Polaris observations, I proceed as follows:

Using the meridian established as above described, at 9 hrs. 0 m., a.m., l.m.t., I set off $33^{\circ}6' N.$ on the lat. arc; $8^{\circ}48 \frac{1}{2}'S.$ on the decl. arc; and determine a meridian with the solar, which I find to agree with

the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian with the solar; the resulting reading of the decl. arc is $8^{\circ}46'S.$, which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arc unchanged, I set off $8^{\circ}43'S.$ on the decl. arc; and determine a meridian with the solar, which I find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Unless otherwise specified 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 and the slope measurements properly reduced to true horizontal distances.

Daylight observations on Polaris with
Transit No. 8592.

Feb. 16, 1922. At a point on the S. bdy. of sec. 35, T. 4-S., R. 13 E., 50.22 chs. from the cor. of secs. 35 and 36, at 9 hrs. 44.5 m., a.m., l.m.t., I observe Polaris at eastern elongation, making four observations, two each in direct and reversed positions. From the mean line thus determined; I lay off the azimuth of Polaris, $1^{\circ}19\frac{1}{2}'$, to the west. The meridian determined by observations with the solar agrees with this true meridian.

March 1, 1922. At the cor. of secs. 34 and 35, T. 4-S., R. 13 E.; at 8 hrs. 53.2 m., a.m.; l.m.t.; I observe Polaris at eastern elongation, making four observations, two each in direct and reversed positions. From the mean line thus determined, I lay off the azimuth of Polaris, $1^{\circ}19\frac{1}{2}'$, to the west. The meridian determined by observations with the solar agrees with this true meridian.

Resurvey of Part of the East Boundary of T. 4 S., R. 13 E.

Chains The North $1\frac{1}{2}$ Miles of the East Boundary of T. 4 S., R. 13 S. was surveyed in 1879 by J.L.Harris, U.S.D.S. No retracement or resurvey of this part of the range line is of record. The South $4\frac{1}{2}$ miles of the range line are unsurveyed.

Retracement for Resurvey.

From the cor. of Ts. 3 and 4 S., Rs. 13 and 14 E., hereinafter described,
South, on retracement, on W. bdy. of sec. 6, ($N\frac{1}{2}$)
40.10 Fall 6 lks. E. of the original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, hereinafter described.
The true course and distance of $N\frac{1}{2}$ of W. bdy. of sec. 6 are therefore N. $0^{\circ}5'E$. 40.10 chs.
Thence South on retracement,
40.80 Diligent search in this vicinity failed to reveal any trace of the original witness cor. to cor. of secs. 1, 6, 7 and 12.
78.37 Fall 27 lks. W. of the original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, hereinafter described.
The true course and distance of the range line from the $\frac{1}{4}$ sec. cor. of secs. 1 and 6 to this cor. are therefore N. $0^{\circ}12'W$. 78.37 chs., which to maintain original proportion between the cor. intervals gives two intervals of $39.18\frac{1}{2}$ chs. each.
From the original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, which is 118.47 chs. southerly from the cor. of Ts. 3 and 4 S., Rs. 13 and 14 E.
South on random line, continuing measurement from said Tp. cor.
120.00 Set temp. $\frac{1}{4}$ sec. cor. of sec. 12.
As the remainder of the range line is to be surveyed under this group, continue line and measurement, setting temp. cors. at intervals of 40.00 chs. and at
479.73 Intersect the N. bdy. of T. 5 S., R. 14 E., at a point 1.40 chs. N. $89^{\circ}50'E$, from the cor. of Ts. 4 and 5 S., Rs. 13 and 14 E., hereinafter described. The cor. of Ts. 4 S. and Rs. 13 and 14 E. is reestablished at this point of intersection and the remainder of the E. bdy. of T. 4 S., R. 13 E. surveyed North as hereinafter described.
As the cors. on the range line referring to areas in T. 4 S., R. 13 E. are to be established at intervals of 40.00 chs. counting from the South, the point for reestablishment of the $\frac{1}{4}$ sec. cor. of sec. 12 will be 360 chs. North from the cor. of Ts. 4 S., Rs. 13 and 14 E. and 119.73 chs. southerly from the cor. of Ts. 3 and 4 S., Rs. 13 and 14 E.
The original $\frac{1}{4}$ sec. cor. of secs. 7 and 12 being 118.47 chs. southerly from the latter Tp. cor., the offset between said original $\frac{1}{4}$ sec. cor. and the reestablished $\frac{1}{4}$ sec. cor. of sec. 12 will be 119.73 chs. — 118.47 chs. = 1.26 chs.

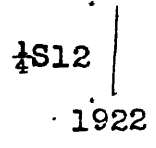
Resurvey

The original $\frac{1}{4}$ sec. cor. of secs. 7 and 12 is a stone $16 \times 6 \times 4$ ins., mkd. $\frac{1}{4}$ on W face, firmly set in a mound of stones. No bearing trees. The record of the reestablishment of this cor. monument describes the same as a wooden post set in a mound of stones, but no trace of such post can be found.

From this cor. the NW. cor. (No. 1) of Wm. J. Bryan No. 3, patented lode mining claim, Mineral Survey No. 2723 A bears S. $10^{\circ}30'W$., 66 lks. dist. which agrees substantially with the tie recorded in the notes of said mineral survey, therefore the above described $\frac{1}{4}$ sec. cor. monument evidently occupies the original position of the $\frac{1}{4}$ sec. cor.

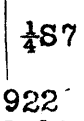
Resurvey of Part of the East Boundary of T. 4 S., R. 13 E.

Chains From this $\frac{1}{4}$ sec. cor. measure South 1.26 chs. and re-establish the $\frac{1}{4}$ sec. cor. of sec. 12 only, as follows:
 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bed rock, and raise a md. of stone around post, for reestablished $\frac{1}{4}$ sec. cor. of sec. 12 only, marked on brass cap



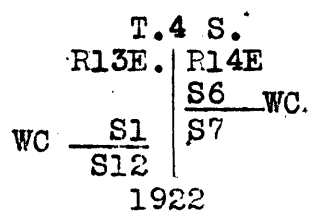
From which:
 A palo verde, 4 ins. in diam., brs. N. 10°W., 23 lks. dist., mkd. B.T.
 A giant cactus, 12 ins. in diam., 12 ft. high, brs. S. 20°E., 13 lks. dist., mkd. with a cross (x).
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Thence
 North, on true line, on E. bdy. of sec. 12 (N. $\frac{1}{2}$)
 Over mountainous land, thru scattering timber and dense undergrowth along top of ridge bearing N. and S.
 Ascend 15 ft. to
 1.26 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 7 and 12 hereinbefore described.
 Reconstruct this cor. to refer to sec. 7 only as follows:
 Destroy the mound of stones, and in center of its position reset the stone cor. monument 11 ins. in the ground with mkg. $\frac{1}{4}$ on E. face and alongside the stone set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 7 only, mkd. on brass cap



No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence
 N. 0° 12' W. on true line, on E. bdy of sec. 12, (N. $\frac{1}{2}$) continuing measurement
 Along top of ridge bearing N. and S. Ascend 190 ft. to
 11.75 Leave top of ridge, brs. NE and S. Descend 197 ft. over NW slope.
 19.00 Bottom of gulch, 100 lks. wide, course NW. Ascend 20 ft. over SW slope.
 22.00 Descend 65 ft. over W. slope to
 28.00 Wash, 100 lks. wide, course W. Descend 12 ft. over W. slope to
 32.00 Descend 63 ft. over steep N. slope to
 35.00 S. bank of Gila River brs. NE and SW. Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. the ground, for witness cor. to cor. of secs. 6 and 7, and for witness cor. to reestablished cor. of secs. 1 and 12, marked on brass cap,



from which
 A mesquite, 6 ins. in diam. brs. N. 64°E., 52 lks. dist. mkd. T. 4 S., R. 14 E., S. 6, WC., BT.
 A mesquite, 8 ins. in diam., brs. N. 70°W., 46 lks. dist. mkd. T. 4 S., R. 13 E., S1, WC., BT.
 No other bearing trees available.
 Raise a md. of stone 3 ft. base, 2 ft. high, W. of cor.

Resurvey of part of East Boundary of Ts. 4 S., R.13 E.

Chains	Descend slightly over NW slope to
37.00	Enter level sand bar in bed of Gila River brs. NE and SW. Leave dense undergrowth.
40.00	Intersect the true point for reestablishment of the cor. of secs. 1 and 12, This point falls on sand bar where a cor. monument would be destroyed by flood waters, therefore this cor. is witnessed at 5.00 chs., S.0° 12'E. as hereinbefore described.
	Land, mountainous. Soil, rocky, 4th rate. Timber, palo verde and mesquite. Undergrowth, greasewood and cactus.
	From true point for reestablishment of cor. of secs. 1 and 12: N.0°12'W. on a true line, on E. bdy. of sec. 1 Across level sand bar in bed of Gila River. 0.44 (39.18 chs. N.0°12'W. from $\frac{1}{4}$ sec. cor. of sec. 7) The true point for reestablishment of cor. of secs. 6 and 7, T. 4 S., R. 14 E. falls on sand bar where it is impracticable to set a monument
4.65	Left edge of water in the Gila River, brs. N.60°E. and S.60°W. Thence across water course S.60°W.
5.65	Right edge of water brs. N.60°E. and S.60°W. Leave water. Thence across nearly level river bottom.
6.40	Right bank of Gila River, brs. N.60°E. and S.60°W. Leave the Gila River. Thence over rolling land. Ascend gradually over SW slope.
6.65	From this point, water tank brs. East 10 lks. dist.
7.45	Main track of Arizona Eastern Railroad, brs. N. 66°E. and S.66°W.. The Ray Junction R.R. Station on the N. side of the track interferes with the continuation of the line, therefore obtain measurement to point on line beyond said building by means of offset West 21 lks., thence N.0°12'W., 1.00 ch., thence East 21 lks. returning to Tp. bdy. at
8.45	N. side of Ray Junction R.R. Station, continue line and measurement.
9.00	Side track of Arizona Eastern Railroad brs. N.66°E. and S.66°W.
9.50	Telegraph line, parallel to R.R.
9.65	Highway, parallel to R.R. extends southeasterly to Winkelman and northerly to Ray
10.16	Ascend 105 ft. over S. slope to
19.75	Ascend 32 ft. over W. slope.
29.00	Descend 20 ft. over NW slope.
31.15	Wash 100 lks. wide, course SW. Ascend 23 ft. over SE slope.
32.40	Descend 20 ft. over NW slope.
33.65	Head of wash, 50 lks. wide, course SW. Asc. 43 ft. over W. slope to
39.63	(39.19 chs. N.0°12'W. from point for cor. of secs. 6 and 7) Intersect the original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, which is a mound of stone. The record of the establishment of this cor. monument describes the same as a wooden post set in a mound of stone, with no accessories. The post has disappeared but the ground under this md. of stones gives evidence of removal of a post therefrom. As diligent search in this vicinity fails to reveal any trace of any other monument Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 6 only, marked on brass cap

Book 3603

7

Resurvey of Part of East Boundary of Ts. 4 S., R. 13 E.

Chains	Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
	From this cor., Cor. No.1 of Rector Mill Site, Mineral Survey No.1467B, Mineral Creek Mining District, brs. S.69°15'W. 22.87 chs. dist.
	Thence.
	N.0°5'E. on a true line, continuing measurement of E. bdy. of sec. 1 over rolling land through very scattering timber and dense undergrowth.
	Ascend slightly over W. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for reestab. $\frac{1}{4}$ sec. cor. of sec. 1 only, marked on brass cap
	1S1
	1922
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Ascend slightly over W. slope.
42.23	Road, brs. E. and W.
45.00	Desc. 30 ft. over NW slope
47.55	Wash, 10 lks. wide, course W. Ascend 50 ft. over SW slope.
53.05	Telephone line, brs. NE and SW.
60.75	From this point, house brs. East 4.00 chs. dist. Descend 18 ft. over NW slope.
64.05	Wash, 20 lks. wide, course W. Ascend slightly over W. slope.
67.35	Railroad spur on curve, brs. E. and W.
68.75	Draw, course SW. Asc. 37 ft. over SW slope to Tp. cor.
71.75	High power electric transmission line brs. N.57°20'W. and S.57°20'E.
79.73	(40.10 chs. N.0°5'E. from $\frac{1}{4}$ sec. cor. of sec. 6) Intersect the cor. of Ts. 3 and 4 S., Rs. 13 and 14, E., reconstructed by R.J.Gill, U.S.S. in 1916, which is an iron post, 3 ins. diam. projecting 18 ins. above ground firmly set in ground and mound of stone alongside the original palo verde post, properly marked on brass cap and witnessed by a mound of stone S. of cor. No bearing trees.
	Land, level and rolling.
	Soil, rocky, 4th rate.
	Timber, palo verde.
	Undergrowth, greasewood, and cactus.

Survey of Part (Completion) of the East Boundary of T.4 S., R.13 E.

Chains

The following notes describe a survey of the South $4\frac{1}{2}$ miles of the East bdy. of T. 4 S., R. 13 E., which completes the survey of the line. The corners established in this survey refer to areas in T. 4 S., R.13 E. only..

At a point on N.bdy. of T. 5 S., R. 14 E., which is 361.26 chs. due South from the original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, Ts. 4 S., Rs. 13 and 14 E. & 1.40 chs. N. $89^{\circ}50'$ E. from original cor. of Ts. 4 & 5 S., Rs. 13 & 14 E., reestablish the cor. of Ts. 4 S., Rs. 13 & 14 E., as follows:
Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground, for cor. of Ts. 4 S., Rs. 13 and 14 E., marked on brass cap

T4S
R13E | R14E
S36 | S31

S6
T5SR14E

1922

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

The position of this cor. as a point on the N. bdy. of T. 5 S., R. 14 E., is determined by retracement of the W. half of N. bdy. of sec. 6, of said Tp. for alignment only, obtaining the bearing N. $89^{\circ}50'$ E., which agrees with the record..

Thence

North on true line, on E. bdy. of sec. 36.

Over mountainous land, thru very scattering timber and dense undergrowth.

Ascend 70 ft. over S slope.

7.650 Spur. slopes E. Saddle in same brs. E. 5 chs. dist.

7.30 Descend 85 ft., over NE slope.

12.30 Gulch 50 lks. wide, course E.. Ascend 20 ft. over S. slope

13.50 Descend 112 ft. over NE slope

17.32 Head of gulch, course SE. Ascend 190 ft. over SE slope.

21.80 Ridge bears NE and SW. Descend 120 ft. over NW slope.

29.30 Gulch, 100 lks. wide, course W. heads 3 chs. E. Ascend 60 ft. over SW slope.

33.00 Descend 30 ft. over NW slope.

37.80 Head of gulch, course W. Ascend 60 ft. over S slope to

40.00 Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 36 only, marked on brass cap

$\frac{1}{4}$ S36

1922

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Ascend 170 ft. over S slope.

48.30 Ridge brs. E. and W. Desc. 395 ft. over N slope.

60.30 Gulch 100 lks. wide, course NE. Ascend 30 ft. over SE slope.

61.75 Descend 11 ft. over NE slope.

63.00 Gulch 10 lks. wide, course SE. Asc. 206 ft. over SE slope.

75.50 Ridge brs. N. 70° E. and S. 70° W.. Desc. 100 ft. over N. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 25 and 36 only, marked on brass cap

T4S
S25

S36
R13E

1922

5603

Survey of Part (Completion) of the East Boundary of T. 4 S., R. 13 E. 9

Chains No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, cat claw, ocotillo, scrub oak and cactus.

North on a true line on E. bdy. of sec. 25.
 Over mountainous land, through very scattering timber and dense undergrowth.
 Desc. 320 ft. over N slope.
 14:30 Canyon, course N. 70° E. Asc. 150 ft. over SE slope.
 20:30 Point of spur slopes E. Desc. 40 ft. over NE slope.
 22:30 Gulch course SE. Asc. 125 ft. over S. slope.
 30:30 Ridge; brs. E. and W. Desc. 177 ft. over N slope to.
 40:00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 25 only, marked on brass cap.

1/4 S 25

1922

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Descend 14 ft. over N slope to
 41:80 Gulch, course NW. Descend 78 ft. over NW slope to
 51:30 Gulch, 20 lks. wide, course N. 20° E. Asc. 12 ft. over E slope.
 52:60 Point of spur, slopes NE. Desc. 233 ft. over N slope.
 61:30 Canyon, course N. 70° E. Asc. 260 ft. over SE slope.
 67:60 Desc. 85 ft. over NE slope.
 73:50 Gulch, 20 lks. wide, course E. Asc. 75 ft. over S slope to
 80:00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 24 and 25 only, marked on brass cap

T4S
 S24
 S25
 R13E

1922

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, cat claw, ocotillo and cactus.

North, on a true line, on E. bdy. of sec. 24.
 Over mountainous land, through very scattering timber and dense undergrowth. Asc. 25 ft. over S slope.
 2:25 Spur slopes E. Desc. 195 ft. over N. slope.
 9:30 Gulch, 50 lks. wide, course NE. Asc. 75 ft. over SE slope.
 15:10 Spur, slopes NE. Desc. 170 ft. over NW slope to
 21:50 Wash, 10 lks. wide, course N. 20° E. Descend 125 ft. over NE slope. to
 28:80 Same wash, 10 lks. wide, course N. 20° W. Desc. 95 ft. over NW slope to
 38:80 Center of wash, 2 chs. wide, course NE.
 40:00 The true point for 1/4 sec. cor. of sec. 24 falls in wash

10 Survey of Part (Completion) of the East Boundary of T. 4 S., R. 13 E.

Chains 50 lks wide, course SE., therefore at
 41.20 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
 in the ground, for witness cor. to $\frac{1}{4}$ sec. cor. of
 sec. 24 only, marked on brass cap

$\frac{1}{4}$ S24
 W C
 1922

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W.
 of cor. Ascend 110 ft, over S slope.

52.30 Spur, slopes SE. Desc. 95 ft. over NE slope to
 58.60 Head of gulch, course NE. Descend 40 ft. over NE slope.
 63.70 Gulch 100 lks wide, course E near head. Asc. 20 ft, over
 S slope.

65.50 Desc. 33 ft. over N slope,
 67.70 Gulch 50 lks. wide, course E. Asc. 72 ft. over S slope.
 71.30 Spur, slopes E. Desc. 87 ft. over N. slope.
 74.30 Gulch, course NE. Asc. 51 ft. over SE slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins.
 in the ground to bed rock and raise a mound of stone
 around post for cor. of secs. 13 and 24 only, mkd. on
 brass cap

T4S
 S13
 S24
 R13E

1922

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high,
 W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, cat claw, scrub oak, ocotillo and cactus.

North, on a true line on E. bdy. of sec. 13
 Over mountainous land, through very scattering timber and
 dense undergrowth. Ascend 12 ft. over SE slope.

1.30 Ridge brs. E. and W. Saddle brs. E. 100 lks dist.
 Descend 55 ft. over NW slope.

8.30 Head of gulch, course SW. Asc. 20 ft. over SW and W slope.
 14.70 Desc. 235 ft. over W. and NW slope.
 38.00 Center of wash, 2 chs. wide, course NE. Asc. 16 ft. over
 SE slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins.
 in the ground to bed rock and raise a md. of stone
 around post for $\frac{1}{4}$ sec. cor., of sec. 13 only, mkd. on brass
 cap

$\frac{1}{4}$ S13

1922

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W.
 of cor.
 Descend 15 ft. over NE slope.

46.30 Wash, 10 lks. wide, course NE. Asc. 25 ft. over SE slope.
 51.10 Desc. 30 ft. over NE slope.
 54.30 Gulch, 50 lks. wide, course E. Asc. 30 ft. over SE slope.
 57.00 Desc. 26 ft. over NE slope.
 59.45 Asc. 70 ft. over E. slope to
 68.30 Head of gulch, course E. Asc. 25 ft. over SE slope.
 72.35 Desc. 30 ft. over E slope?
 77.50

Survey of Part (Completion) of the East Boundary of T. 4 S., R. 13 E.

<p>Chains 77.50 80.00</p>	<p>Head of gulch course E. Ascend slightly over E slope to Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 12 and 13 only marked on brass cap.</p> <div style="text-align: center;"> <p>T4S S12 S13 R13E 1922</p> </div> <p>No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, Rocky, 4th rate. Timber, palo verde Undergrowth, cat claw, scrub oak, ocotillo and giant cactus.</p>
<p>3.90 17.80 24.50 25.80 29.60 34.30 40.00</p>	<p>North, on a true line, on E. bdy. of Sec. 12 (S$\frac{1}{2}$) Over mountainous land, through very scattering timber and dense undergrowth. Along E. slope of ridge. Descend slightly to Head of gulch course NE. Thence over NE slope of same ridge. Descend 130 ft. to Head of gulch, course NE Ascend gradually over E slope to Descend 10 ft. over NE slope. Head of gulch, course NE. Asc. 95 ft. over E. slope. Desc. 55 ft. over NE slope. Head of gulch course E. Asc. 115 ft. over SE slope to Intersect the reestablished $\frac{1}{4}$ sec cor. of sec. 12, hereinbefore described. Land, mountainous. Soil, rocky, 4th rate. Timber, palo verde. Undergrowth, greasewood and cactus.</p>

12 Retracement of the North Boundary of T. 5 S., R. 13 E.

Chains	<p>The North boundary of T. 5 S., R. 13 E., was surveyed in 1918 by A.O. Stinson, U.S.S., and all sec. and $\frac{1}{4}$ sec. cors. thereon were established to refer to said township only. No retracement or resurvey of any part of the line is of record. No sec. or $\frac{1}{4}$ sec. cors. referring to areas in T. 4 S., R. 13 E. having ever been established on this line, the S bdy of T. 4 S., R. 13 E. is technically unsurveyed. The following notes describe a retracement of the entire N. bdy. of T. 5 S., R. 13 E. to obtain the data necessary for survey on same line of T. 4 S., R. 13 E., as hereinafter described.</p> <p>From the reconstructed original cor. of Ts. 4 and 5 S., Rs. 13 and 14 E., hereinafter described.</p>
32.34	<p>West on retracement, on N. bdy. of sec. 1 ($E\frac{1}{2}$) Fall 2 lks. S. of the original $\frac{1}{4}$ sec. cor. of sec. 1, hereinafter described. The true course and distance of $E\frac{1}{2}$ of N. bdy. of sec. 1 are therefore N. $89^{\circ}58'W.$, 32.34 chs. Thence</p>
39.99	<p>West on retracement on N. bdy. of sec. 1 ($W\frac{1}{2}$) Fall 16 lks. S. of the original cor. of secs. 1 and 2, hereinafter described. The true course and distance of $W\frac{1}{2}$ of N. bdy. of sec. 1 are therefore N. $89^{\circ}46'W.$ 39.99 chs. Thence</p>
39.95	<p>West on retracement, on N. bdy. of sec. 2 ($E\frac{1}{2}$) Intersect the original $\frac{1}{4}$ sec. cor. of sec. 2, hereinafter described. The true course and distance of $E\frac{1}{2}$ of N. bdy. of sec. 2 are therefore West 39.95 chs. Thence</p>
40.12	<p>West on retracement on N. bdy. of sec. 2 ($W\frac{1}{2}$) Fall 3 lks. S. of the original cor. of secs. 2 and 3, hereinafter described. The true course and distance of $W\frac{1}{2}$ of N. bdy. of sec. 2 are therefore N. $89^{\circ}57'W.$ 40.12 chs. Thence</p>
40.07	<p>West on retracement on N. bdy. of sec. 3 ($E\frac{1}{2}$) Fall 1 lk. S. of the original $\frac{1}{4}$ sec. cor. of sec. 3, hereinafter described. The true course and distance of $E\frac{1}{2}$ of N. bdy. of sec. 3 are therefore N. $89^{\circ}59'W.$ 40.07 chs. Thence</p>
40.16	<p>West on retracement, on N. bdy. of sec. 3 ($W\frac{1}{2}$) Fall 1 lk. S. of the original cor. of secs. 3 and 4 hereinafter described. The true course and distance of $W\frac{1}{2}$ of N. bdy. of Sec. 3 are therefore N. $89^{\circ}59'W.$ 40.16 chs. Thence</p>
39.90	<p>West on retracement, on N. bdy. of sec. 4 ($E\frac{1}{2}$) Intersect the original $\frac{1}{4}$ sec. cor. of sec. 4, hereinafter described. The true course and distance of $E\frac{1}{2}$ of N. bdy. of sec. 4 are therefore West 39.90 chs. Thence</p>
40.23	<p>West on retracement on N. bdy. of sec. 4 ($W\frac{1}{2}$) Fall 1 lk. N. of the original cor. of secs. 4 and 5, hereinafter described. The true course and distance of $W\frac{1}{2}$ of N. bdy. of sec. 4 are therefore S. $89^{\circ}59'W.$ 40.23 chs. Thence</p>
40.09	<p>West on retracement on N. bdy. of sec. 5 ($E\frac{1}{2}$) Fall 3 lks. S. of the original $\frac{1}{4}$ sec. cor. of sec. 5, hereinafter described. The true course and distance of $E\frac{1}{2}$ of N. bdy. of sec. 5 are therefore N. $89^{\circ}57'W.$ 40.09 chs. Thence,</p>
40.01	<p>West, on retracement on N. bdy. of sec. 5 ($W\frac{1}{2}$). Intersect the orig. cor. of secs. 5 & 6, hereinafter described. The true course and distance of $W\frac{1}{2}$ of N. bdy. of sec. 5 are therefore West, 40.01 chs. Thence</p>
	<p>West on retracement, on N. bdy. of sec. 6 ($E\frac{1}{2}$)</p>

3008 0603

Retracement of the North Boundary of T. 5 S., R. 13 E.

Chains
40.00

Fall 2 lks. S. of the original $\frac{1}{4}$ sec. cor. of sec. 6, herein-
after described.

The true course and distance of $E\frac{1}{2}$ of N. bdy. of sec. 6
are therefore, N.89°58'W., 40.00 chs.,.

Thence

40.03

West on retracement, on N. bdy. of sec. 6 ($W\frac{1}{2}$)
Fall 8 lks. S. of the cor. of Ts. 4 and 5 S., Rs. 12 and
13 E., hereinafter described.

The true course and distance of $W\frac{1}{2}$ of N. bdy. of sec. 6 are
therefore, N.89°53'W., 40.03 chs.,.

Survey of S. Bdy. T. 4 S., R. 13 E.

Chains

The following notes describe a survey of the South bdy. of T. 4 S., R. 13 E., between a point due South of the original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, Ts. 4 S., Rs. 13 and 14 E., and a point due South of the original cor. of Ts. 3 and 4 S., Rs. 12 and 13 E., establishing $\frac{1}{4}$ sec. and sec. cors. alternately at intervals of 40.00 chs. westing counting from the SE cor. of the Tp. All such $\frac{1}{4}$ sec. and sec. cors. are established with reference to areas in T. 4 S., R. 13 E. only, and in alignment between the existing cors. of the N. bdy. of T. 5 S., R. 13 E., as determined by the retracement hereinbefore described.

From the reestablished cor. of Ts. 4 S., Rs. 13 and 14 E., hereinbefore described.

S. $89^{\circ}50'W.$ on true line, on S. bdy. of sec. 36.

Over mountainous land, thru very scattering timber and dense undergrowth.

Descend 7 ft. over S. slope to

1.40 Intersect the original cor. of Ts. 4 and 5 S., Rs. 13 and 14 E., reconstructed by A.O. Stinson, U.S.S., in 1918, which is an iron post 3 ins. in diam., projecting 12 ins. above ground, properly mkd. on brass cap, firmly set alongside the original cor. monument which is a pink granite stone 16x12x4 ins. above ground, mkd. with 6 notches on each of E., W., N. and S. faces and witnessed by a md. of stones S. of cor. No bearing trees.

Alter this cor. monument to refer to Ts. 5 S., Rs. 13 & 14 E. only by obliterating the notches on the N. face of the stone, and changing the markings on the brass cap to read

T4S
R13E
S36

S1 S6
R13E R14E
T5S
1918-22

No bearing trees available.

Thence

N. $89^{\circ}58'W.$ on a true line continuing measurement of S. bdy. of sec. 36,

Descend 5 ft. over SW slope to

2.30 Head of gulch, course SW. Descend 19 ft. over S. slope to
7.20 Head of gulch, course S. Ascend 14 ft. over S slope to
11.00 Head of gulch, course S. Ascend 50 ft. over SE slope to
22.06 Saddle in ridge brs. NE and SW. Desc. 130 ft. over NW slope.

31.00 Head of gulch, course NW. Asc. 27 ft. over NE slope.

32.20 Desc. 22 ft. over NW slope to

33.74 Intersect the original $\frac{1}{4}$ sec. cor. of sec. 1, T. 5 S., R. 13 E., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone S. of cor. No bearing trees.

Thence

N. $89^{\circ}46'W.$ on a true line continuing measurement of S. bdy. of sec. 36.

Descend 30 ft. over NW slope.

37.00 Head of gulch, course NW. Desc. 18 ft. over N. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 36 only, marked on brass cap

$\frac{1}{4}$ S36

1922

No bearing trees available.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, N of cor.
 Descend, 34 ft. over N. slope.
 45.00 Asc. 12 ft. over NE slope.
 50.00 Desc. 87 ft. over NW slope
 57.00 Gulch 100 lks. wide, course NW. Asc. 30 ft. over NE slope.
 60.85 Desc. 112 ft. over NW slope.
 71.00 Wash, 50 lks. wide, course S. 70°W. Ascend 5 ft. over SE slope to
 73.73 Intersect the original cor. of secs. 1 and 2, T. 5 S., R. 13 E., which is an iron post, 2 ins. in diam., projecting 12 ins. above ground firmly set, properly marked on brass cap and witnessed by a mound of stone S. of cor. No bearing trees.
 Thence
 West on a true line continuing measurement of S. bdy. of sec. 36.
 Ascend 45 ft. over SE slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 35 and 36 only marked on brass cap

T4S	R13E
S35	S36
S 2	
T5S R13E	
1922	

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde and mesquite.
 Undergrowth, scrub mesquite, cat claw, scrub oak, greasewood, and cactus.

West on a true line, on S. bdy. of sec. 35.
 Over mountainous land, through very scattering timber and dense undergrowth.
 Asc. 25 ft. over S. slope.
 7.50 Desc. 260 ft. over SW slope.
 29.50 Center of East channel of Ripsey Wash 100 lks. wide, course NW. Thence over level overflow land brs. NW and SE.
 33.68 Intersect the original $\frac{1}{4}$ sec. cor. of sec. 2, T. 5 S., R. 13 E., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone, S. of cor. No bearing trees. Thence,
 N. 89° 57' W. on a true line continuing measurement of S. bdy. of sec. 35,
 38.00 Center of West channel of Ripsey Wash 200 lks. wide; course N.
 39.50 Leave level overflow land, bearing N and S. Enter mountainous land. Asc. slightly over E. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 35 only, marked on brass cap

$\frac{1}{4}$ S35
 1922

From which
 A mesquite, 16 ins. in diam.; brs. N. 60°W., 15 lks. dist., marked $\frac{1}{4}$ S35 BT.

Chains

A mesquite, 8 ins. in diam., brs. N. 56°E.,
58 lks. dist., marked $\frac{1}{4}$ S35 BT.
Asc. 133 ft. over E. slope.
50.22 Spur, slopes N.10°E., Desc. 85 ft. over NW slope.
55.00 Center of wash, 2 chs. wide, in gulch course NE. Asc.
210 ft. over bare rock, on SE slope to
67.00 Spur, slopes NE. Desc. 37 ft. over NW slope to
73.80 Intersect the original cor. of secs. 2 and 3, T. 5 S.,
R. 13 E., which is an iron post, 2 ins. in diam., pro-
jecting 16 ins. above ground, firmly set in ground
and mound of stone, properly marked on brass cap and
witnessed by a mound of stone S of cor. No bearing
trees.
Thence
N.89°59'W., on a true line continuing measurement of S.
bdy. of sec. 35,
Asc. 22 ft. over NE slope to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.
in the ground, for cor. of secs. 34 and 35 only,
marked on brass cap

T4S	R13E
S34	S35
S 3	
T5S	R13E
1922	

No bearing trees available.
Raise a mound of stone, 3 ft. base, 2 ft. high, N.
of cor.
Land, mountainous and level.
Soil, rocky, 3rd rate.
Timber, palo verde.
Undergrowth, cat claw, scrub oak, ocotillo, soto and
giant cactus.

N.89°59'W. on a true line, on S. bdy. of sec. 34.
Over mountainous land, through very scattering timber
and dense undergrowth.
Asc. 50 ft. over NE slope,
3.95 Desc. 38 ft. over NW slope.
10.90 Asc. 75 ft. over NE slope.
20.77 Desc. 95 ft. over NW slope.
28.57 Asc. 48 ft. over E slope to
33.87 Intersect the original $\frac{1}{4}$ sec. cor. of sec. 3, T. 5 S.,
R. 13 E., which is an iron post, 1 in. in diam.,
projecting 10 ins. above ground, firmly set, properly
marked on brass cap and witnessed by a mound of stone
S of cor. No bearing trees.
Thence
N.89°59'W. on a true line continuing measurement of S.
bdy. of sec. 34.
Asc. 45 ft. over E. slope to
40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in
the ground to bed rock and raise a md. of stone
around post for $\frac{1}{4}$ sec. cor. of sec. 34 only, mkd.
on brass cap

$\frac{1}{4}$ S34	
1922	

No bearing trees available.
Raise a md. of stone, 3 ft. base, 2 ft. high N. of cor.
Ascend 18 ft. over E. slope.
43.00 Spur slopes N. Descend 145 ft. over NW slope.
55.00 Wash 100 lks. wide, in gulch, course N. 20°E.
Asc. 160 ft. over SE slope.

Survey of S. Bdy. T. 4 S., R. 13 E.

Chains											
64.50	Saddle in ridge bearing N and S. Desc. 92 ft. over SW slope.										
68.00	Wash 1.50 chs. wide, in gulch, course N.20°W. Asc. 45 ft. over NE slope to										
74.03	Intersect the original cor. of secs. 3 and 4, T. 5 S., R. 13 E. which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone S of cor. No bearing trees.										
	Thence										
	West on a true line, continuing measurement of S. bdy. of sec. 34.										
	Ascend 120 ft. over NE slope.										
79.80	Spur slopes W. Descend slightly over NW slope to										
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 33 and 34 only, marked on brass cap										
	<table border="0"> <tr> <td>T4S</td> <td>R13E</td> </tr> <tr> <td>S33</td> <td>S34</td> </tr> <tr> <td colspan="2" style="text-align: center;">S 4</td> </tr> <tr> <td>T5S</td> <td>R13E</td> </tr> <tr> <td colspan="2" style="text-align: center;">1922</td> </tr> </table>	T4S	R13E	S33	S34	S 4		T5S	R13E	1922	
T4S	R13E										
S33	S34										
S 4											
T5S	R13E										
1922											
	No bearing trees available.										
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.										
	Land, mountainous.										
	Soil, rocky, 4th rate.										
	Timber, palo verde.										
	Undergrowth, cat claw, ocotillo, scrub oak, and cactus.										
	West on a true line, on S. bdy. of sec. 33.										
	Over mountainous land, through very scattering timber and dense undergrowth.										
	Desc. 65 ft. over W. slope.										
3.60	Wash, 25 lks. wide, course N. 20°W. Asc. 15 ft. over NE slope.										
6.90	Desc. 38 ft. over SW slope.										
13.00	Draw, course N.20°W. Ascend 10 ft. over N slope to										
20.00	Desc. 127 ft. over NW slope.										
32.00	Wash, 30 lks. wide, course NW. Ascend slightly over N slope to										
33.93	Intersect original sec. cor. of sec. 4, T. 5 S., R. 13 E., which is an iron post, 1 in. in diam. projecting 11 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone S of cor.. No bearing trees.										
	Thence										
	S. 89°59'W., on a true line continuing measurement of S. bdy. of sec. 33.										
	Descend slightly over NW slope.										
35.00	Wash, 100 lks. wide, course N. Asc. 55 ft. over NE slope										
39.00	Descend slightly over N slope to										
40.00	Set an iron post, 3 ft. long 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 33 only, marked on brass cap										
	<u>1S33</u>										
	1922										
	No bearing trees available.										
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.										
	Desc. 33 ft. over NW slope.										
41.40	Wash, 20 lks. wide, course NE. Leave mountainous and enter rolling land. Ascend 10 ft. over NE slope.										
45.00	Descend 10 ft. over N slope.										

Survey of S. Bdy. T. 4 S., R. 13 E.

Chains									
47.50	Wash, 30 lks. wide, course N. 20° E. Ascend 60 ft. over NE slope.								
60.00	Descend 6 ft. over N slope.								
65.00	Draw, course NE. Ascend slightly over NE slope to								
74.16	Intersect the original cor. of secs. 4 and 5, T. 5 S., R. 13 E., which is an iron post, 2 ins. in diam., projecting 11 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone S of cor. No bearing trees.								
	Thence								
	N. 89° 57' W. on a true line, continuing measurement of S. bdy. of sec. 33,								
	Ascend slightly over NE slope to								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 32 and 33 only, marked on brass cap								
	<table border="1"> <tr> <td>T4S</td> <td>R13E</td> </tr> <tr> <td>S32</td> <td>S33</td> </tr> <tr> <td colspan="2" style="text-align: center;">S 5</td> </tr> <tr> <td>T5S</td> <td>R13E</td> </tr> </table>	T4S	R13E	S32	S33	S 5		T5S	R13E
T4S	R13E								
S32	S33								
S 5									
T5S	R13E								
	1922								
	No bearing trees available.								
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.								
	Land, mountainous and rolling.								
	Soil, rocky, 3rd rate.								
	Timber, palo verde.								
	Undergrowth, scrub oak, catclaw, cholla, Spanish dagger, and cactus.								
	N. 89° 57' W. on a true line, on S. bdy. of sec. 32.								
	Over rolling land, through very scattering timber and dense undergrowth. Descend slightly over N slope.								
2.50	Wash, 20 lks. wide, course NE. Asc. 35 ft. over NE slope.								
13.00	Low ridge bears NE and SW. Highway, hrs. NW and SE, extends westerly to Florence and northeasterly to Ray. Descend 15 ft. over W slope to								
20.50	Draw, course NW. Descend gradually over NW slope to								
31.00	Same draw, course SW. Descend gradually over SW slope to								
34.25	Intersect the original $\frac{1}{4}$ sec. cor. of sec. 5 T. 5 S., R. 13 E., which is an post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked, on brass cap and witnessed by a mound of stone S of cor. No bearing trees.								
	Thence								
	West on a true line, continuing measurement of S. bdy. of sec. 32.								
	Descend slightly over SW slope to								
39.00	Draw, course S. 70° W. Ascend slightly over S. slope to								
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 32 only, marked on brass cap								
	<u>AS32</u>								
	1922								
	No bearing trees available.								
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.								
	Ascend slightly over S slope.								
44.00	Descend 17 ft. over S. slope.								
55.50	Desc. 52 ft. over SW slope.								
65.00	Wash, 20 lks. wide, course SW. Ascend gradually over S slope.								

Chains							
70.50	Descend gradually over SW slope to						
74.26	Intersect the original cor. of secs. 5 and 6, T. 5 S., R. 13 E., which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone S. of cor. No bearing trees.						
	Thence						
	N. 89°58'W. on a true line, continuing measurement of S. bdy of sec. 32.						
	Descend slightly over SW slope to						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 31 and 32 only, marked on brass cap						
	<table border="0"> <tr><td>T4S R13E</td></tr> <tr><td><u>S31 S32</u></td></tr> <tr><td>S 6</td></tr> <tr><td>T5S R13E</td></tr> <tr><td>1922</td></tr> </table>	T4S R13E	<u>S31 S32</u>	S 6	T5S R13E	1922	
T4S R13E							
<u>S31 S32</u>							
S 6							
T5S R13E							
1922							
	No bearing trees available						
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor..						
	Land, rolling.						
	Soil, rocky, 3rd rate.						
	Timber, palo verde.						
	Undergrowth, mesquite, cat claw, Spanish dagger, and cholla.						
	N. 89°58'W. on a true line, on S. bdy. of sec. 31.						
	Over rolling land, through very scattering timber and dense undergrowth. Descend gradually over SW slope.						
4.50	Wash, 20 lks. wide, course S. 70°W. Ascend 80 ft. over S. slope.						
28.00	Desc. 5 ft. over NW slope.						
28.76	Wash, 10 lks. wide, course SW. Ascend 24 ft. over SE slope to						
34.26	Intersect the original $\frac{1}{4}$ sec. cor. of sec. 6, T. 5 S., R. 13 E., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone S of cor. No bearing trees.						
	Thence						
	N. 89°53'W. on a true line, continuing measurement of S. bdy. of sec. 31,						
	Descend gradually over SW slope.						
37.00	Wash, 20 lks. wide, course S. Ascend gradually over SE slope to						
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 31 only, marked on brass cap						
	<table border="0"> <tr><td><u>$\frac{1}{4}$S31</u></td></tr> <tr><td>1922</td></tr> </table>	<u>$\frac{1}{4}$S31</u>	1922				
<u>$\frac{1}{4}$S31</u>							
1922							
	From which						
	A palo verde, 6 ins. in diam., brs. N. 14°E., 18 lks. dist., marked $\frac{1}{4}$ S 31 BT.						
	No other bearing trees available.						
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.						
	Asc. 20 ft. over SE slope.						
42.00	Desc. 65 ft. over SW slope.						
53.00	Wash, 10 lks. wide, course S. Ascend 32 ft. over SE slope.						
59.00	Desc. 53 ft. over SW slope.						
69.00	Wash, 10 lks. wide, course SW. Ascend slightly over S. slope to						
74.29	Intersect the original cor. of Ts. 4 and 5 S., Rs. 12 and 13						

Chains

E., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone S. of cor. No bearing trees.

Alter this cor. to refer to Ts. 5 S., Rs. 12 and 13 E. only by changing the mkg on the brass cap to read

T4S
P13E
S31
S1|S6
T5S
R12E R13E
1918-22

Thence

West on a true line, continuing measurement of S. bdy. of sec. 31,

Descend slightly over SW slope to

78.63 A point due South of the cor. of Ts. 3 and 4 S., Rs. 12 and 13 E., hereinafter described.

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of Ts. 4 S., Rs. 12 and 13 E., only, marked on brass cap

T4S
R12E|R13E
S36|S31
S 1
T5S R12E
1922

No bearing trees available.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Land, rolling.

Soil, rocky, 3rd rate.

Timber, mesquite.

Undergrowth, cat claw, palo verde, and Spanish dagger.

Survey of the West Boundary of T. 4 S., R. 13 E.

Chains

The original cor. of Ts. 3 and 4 S., Rs. 12 and 13 E., estab. by R.J.Gill, U.S.S. in 1916, is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone S of cor. No bearing trees.

Thence

South, on a random line, setting temp. cors. at intervals of 40.00 chs.; and at 479.32 chs. intersect the N.bdy. of T. 5 S., R. 12 E., at a point 4.34 chs. W. of the cor. of Ts. 5 S., Rs. 12 and 13 E. At this point of intersection establish the cor. of Ts. 4 S., Rs. 12 and 13 E. as hereinbefore described.

Thence

North on a true line, bet. secs. 31 and 36. Over gently rolling land, sloping gradually to the W., through scattering undergrowth.

0.65
18.60
33.00
40.00

Wash, 5 lks. wide, course SW.
Wash, 15 lks. wide, course W.
Wash, 30 lks. wide, course W.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

1/4
S31 | S36

1922

No bearing trees available.
Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

40.30
47.60
58.10
67.70
72.50
72.60
72.66
76.30
77.96
78.20
80.00

Wash, 10 lks. wide, course SW.
Wash, 10 lks. wide, course SW.
Wash, 15 lks. wide, course W.
Wash, 15 lks. wide, course W.
From this point, well 30 ft. deep brs. East 7.08 chs. dist.
From this point, the SE cor. of adobe house brs. East 6.34 chs. dist.
From this point, Cor. No. 2 of Hector Lode Mining Claim, Mineral Survey No. 2395, Pioneer Mining District, brs. East 2.03 chs. dist.
Old road, brs. NW and SE.
Shaft of Peg Leg mine brs. East 10.40 chs. dist.
Wash, 10 lks. wide, course W.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap

T4S
R12E | R13E
S25 | S30
S36 | S31

1922

No bearing trees available.
Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, gently rolling.
Soil, granite formation, 4th rate.
Timber, none.
Undergrowth, ocotillo, cat claw, palo verde, and scrub mesquite.

North on a true line, bet. secs. 25 and 30. Over gently rolling land, sloping SW and W through scattering undergrowth.

2.50

From this point, prospect hole, 60 ft. deep, brs. East 1.18 chs. dist.

Chains

- 7.40 Wash, 25 lks. wide, course SW.
 10.80 From this point, Cor. No. 4 of None Such Lode Mining Claim,
 Mineral Survey No. 2395, Pioneer Mining District, brs.
 East .61 lks. dist.
 21.60 Old road, brs. E. and W.
 33.60 Wash, 10 lks. wide, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
 in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S25 | S30

1922

- No bearing trees available.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor.
 50.00 Wash, 25 lks. wide, course W.
 68.80 Wash, 10 lks. wide, course SW.
 74.10 Wash, 10 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.
 in the ground, for cor. of secs. 19, 24, 25 and 30,
 marked on brass cap

T4S
 R12E | R13E
 S24 | S19
 S25 | S30

1922

- No bearing trees available.
 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor.
 Land, gently rolling.
 Soil, gravelly, granite formation, 4th rate.
 Timber, none.
 Undergrowth, ocotillo, cat claw, scrub mesquite, and
 giant cactus.

North on a true line, bet secs. 19 and 24.
 Over gently rolling land, sloping SW., through scattering
 undergrowth. Ascend gradually to $\frac{1}{4}$ sec. cor.

- 8.40 Wash, 10 lks. wide, course SW.
 21.20 Wash, 10 lks. wide, course SW.
 26.60 Wash, 10 lks. wide, course SW.
 35.70 Wash, 20 lks. wide, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
 in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S24 | S19

1922

- No bearing trees available.
 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor.
 44.20 Wash, 10 lks. wide, course W. heads 5 chs. E. Ascend
 gradually over S slope.
 47.00 Leave gently rolling and enter mountainous land. Descend
 55 ft. over N slope.
 54.34 Wash, 30 lks. wide, course N. 60°W. Asc. 70 ft. over SW
 slope.
 59.80 Ridge bears N. 60°W. and S. 60°E. Desc. 115 ft. over NE
 slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.

Survey of the West Boundary of T. 4 S., R. 13 E.

23

Chains in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap

T4S	
R12E	R13E
S13	S18
S24	S19

1922

No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 Land, gently rolling, and mountainous.
 Soil, gravelly, granite formation, 4th rate.
 Timber, none.
 Undergrowth, cat claw, ocotillo, and scrub mesquite.

North on a true line, bet. secs. 13 and 18.
 Over mountainous land, through scattering undergrowth.
 Descend 30 ft. over NW slope to
 6.40 Desc. 137 ft. over steep NE slope to
 11.00 Foot of steep descent brs. NW and SE. Descend 92 ft.
 over NE slope to
 24.40 Wash, 50 lks. wide, course NW. Thence over rolling
 land. Descend 48 ft. over NW slope.
 25.70 Old road, brs. N. 60°W. and S. 60° E.
 30.40 Wash, 25 lks. wide, course NW. Descend 10 ft. over NW
 slope to
 33.70 Left edge of wash, brs. NW and SE. Old road brs. NW and SE.
 Thence across wash, course NW.
 37.40 Right edge of same wash, brs. NW and SE. Leave wash.
 Descend slightly over NW slope.
 40.00 Center of shallow wash, 100 lks. wide, course NW. Set an
 iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap

S13	S18
-----	-----

1922

From which

A palo verde, 10 ins. in diam., brs. S. 71°E.,
 73 lks. dist., marked ¼S18 BT.

A cat claw, 10 ins. in diam., brs. N. 19°W.,
 69 lks. dist. marked ¼S13 BT.

Leave rolling and enter mountainous land. Asc. 30 ft.
 over SW slope.
 42.86 Desc. 17 ft. over NW slope.
 47.80 Wash, 25 lks. wide, course W. Asc. 71 ft. over S slope.
 52.40 Spur, slopes W. From this point, prospect hole, 6 ft.
 deep, brs. East 20 lks. dist. Desc. 90 ft. over
 NW slope.
 60.55 Ascend 18 ft. over SW slope.
 65.50 Spur, slopes W. Desc. 75 ft. over N. slope
 69.40 Wash, 50 lks. wide, course NW. Asc. 37 ft. over W. and
 SW slopes to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.
 in the ground, for cor. of secs. 7, 12, 13 and 18,
 marked on brass cap

T4S	
R12E	R13E
S12	S 7
S13	S18

1922

No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, W.
 of cor.

Chains

Land, rolling and mountainous.
Soil, gravelly, granite formation, 4th rate.
Timber, none, except scattering palo verde along the wash near the $\frac{1}{4}$ sec. cor.
Undergrowth, sagebrush, cat claw, ocotillo, and scrub mesquite.

North on a true line, bet. secs. 7 and 12.
Over mountainous land, through scattering undergrowth.
Ascend 10 ft. over SW slope.

- 1.50 Spur, slopes NW. Desc. 83 ft. over N slope.
6.70 Gulch, 20 lks. wide, course W. Asc. 62 ft. over S slope.
9.60 Spur, slopes W. Desc. 225 ft. over NW slope to
19.00 Leave mountainous land, brs. E. and W. and enter rolling land, scattering timber and undergrowth. Desc. 175 ft. over NW slope to $\frac{1}{4}$ sec. cor.
35.80 From this point, house at Golden Bell Mine brs. East 58.90 chs. dist.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S12 | S 7

1922

From which

A palo verde, 6 ins. in diam., brs. N. 84°E.,
85 lks. dist., marked $\frac{1}{4}$ S7 BT.

A palo verde, 6 ins. in diam., brs. N. 80°W.,
44 lks. dist., marked $\frac{1}{4}$ S12 BT.

Desc. 265 ft. over NW slope to sec. cor. thru scattering timber and undergrowth.

- 47.90 Small house at Golden Bell Mine brs. East 56.23 chs. dist.
53.30 Road, brs. E. to Golden Bell Mine and W. to Buttes Station on the Ariz. Eastern R.R.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked on brass cap

T4S

R12E | R13E

S 1 | S 6

S12 | S 7

1922

From which

A palo verde, 6 ins. in diam., brs. N. 30°E.,
26 lks. dist., marked T.4 S., R13E., S6 BT.

A palo verde, 6 ins. in diam., brs. S. 21°E.,
79 lks. dist., marked T4S R13E S7 BT.

A palo verde, 6 ins. in diam., brs. S. 78°W.,
48 lks. dist., marked T4S R12E S12 BT.

A palo verde, 6 ins. in diam., brs. N. 60°W.,
63 lks. dist., marked T4S R12E S1 BT.

Land, mountainous, rolling.

Soil, gravelly, granite formation, 4th rate.

Timber, palo verde.

Undergrowth, oat claw, ocotillo, and scrub mesquite.

North on a true line, bet. secs. 1 and 6.
Over rolling land, through scattering timber and undergrowth. Descend 88 ft. over NW slope

Chains
 9.35 Right edge of wash, bears NE and SW. Thence across wash course NE.
 14.00 Left edge of same wash, bears NE and SW. Leave wash. Descend 120 ft. over NE slope to
 33.80 Draw, 10 lks. wide, course NE. Asc. 42 ft. over SE slope to
 40.00 Top of hill. Set an iron post, 3 ft. ong, 1 in. in diam. 26 ins. in the ground, for 4 sec. cor., marked on brass cap

1
 S 1 | S 6

1922

From which

A palo verde, 6 ins. in diam., brs. S. 20°E.,
 48 lks. dist., marked 1/2 S 6 BT.
 A palo verde, 6 ins. in diam., brs. S. 69°W.,
 35 lks. dist., marked 1/2 S 1 BT.
 Descend 180 ft. over N. slope to Gila River.
 50.84 Telegraph line brs. N. 71°50'W. and S. 71°50'E.
 51.42 Arizona Eastern Railroad brs. N. 71°50'W. and S. 71°50'E.
 From this point, Culvert No. 107A brs. S. 71°50'E.
 1.40 chs. dist.
 52.40 Left bank of Gila River brs. N. 70°W. and S. 70°E. Thence across running water, course N. 70°W.
 56.10 Right edge of water brs. N. 70°W. and S. 70°E. Leave water. Thence across river bottom.
 59.00 Right bank of Gila River brs. N. 70°W. and S. 70°E. Leave river bottom. Wire fence bears E. and W. Fence cor. brs. East 100 lks. dist from which fence extends N. and W. Thence over level land across garden and cultivated field.
 63.20 From this point, house brs. East 50 lks. dist.
 Well brs. East 75 lks. dist.
 63.43 Wire fence, brs. E. and W. Fence cor. brs. East 100 lks. dist. from which fence extends S. and W. Leave field.
 63.50 Old road brs. E. and W. Leave level and enter rolling land. Ascend 95 ft. over SW. slope.
 68.00 Small draw, 10 lks. wide, course SW.
 73.30 Small draw, 10 lks. wide, course SW.
 77.00 Spur slopes SW. Descend 20 ft. over NW slope to
 79.32 Intersect the original cor. of Ts. 3 & 4 S., Rs. 12 and 13
 1st E., hereinbefore described.

Land, rolling and level.
 Soil, gravelly, granite formation, 4th rate, except strips of sandy loam, 1st rate along the Gila River.
 Timber, palo verde.
 Undergrowth, catclaw, ocotillo and scrub mesquite.

Chains	From the cor. of secs. 35 and 36, on the S. bdy. of the Tp., hereinbefore described. N. 0° 2' W. bet. secs. 35 and 36. Over mountainous land, through very scattering timber and dense undergrowth. Asc. 75 ft. over S. slope.
6.09	Ridge brs. E. and W. Desc. 80 ft. over NW. slope to
11.00	Head of gulch, course NW. Descend 45 ft. over NW slope to
17.00	Wash 100 lks. wide, in gulch course NW. Ascend 20 ft. over SW. slope.
18.00	Descend 20 ft. over NW. slope.
20.70	Wash 100 lks. wide, in gulch, course SW. Asc. 115 ft. over S. slope.
32.00	Spur, slopes W. Desc. 60 ft. over N. slope to
35.00	Wash, 20 lks. wide, course W. Ascend slightly over W. slope to
37.50	Small gully, course SW. Ascend gradually over SW. slope to
39.50	Wash, 10 lks. wide, course SW. Ascend slightly over S slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\begin{array}{c} \frac{1}{4} \\ \text{S35} \text{S36} \\ 1922 \end{array}$
	From which
	A palo verde, 4 ins. in diam., brs. N. 54° E., 64 lks. dist., marked BT.
	A palo verde, 5 ins. in diam., brs. S. 76° W., 29 lks. dist., marked $\frac{1}{4}$ S35 BT.
	Asc. 20 ft. over S. slope.
42.50	Desc. 10 ft. over NW. slope to
43.50	Wash, course SW. Asc. slightly over SW. slope to
47.50	Wash, 10 lks. wide, course SW. Ascend 57 ft. over S. slope.
56.45	Spur slopes W. Descend 10 ft. over N. slope.
58.00	Wash, 30 lks. wide, course W. Ascend 63 ft. over SW. slope
68.86	Descend 10 ft. over NW. slope to
72.00	Wash, 30 lks. wide, course W. Ascend 23 ft. over W. slope to
74.00	Wash 100 lks. wide, course SW. Ascend 65 ft. over SW slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap
	$\begin{array}{c} \text{T4S} \text{R13E} \\ \text{S26} \text{S25} \\ \text{S35} \text{S36} \\ 1922 \end{array}$
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, rocky, 4th rate. Timber, mesquite, and palo verde. Undergrowth, cat claw, scrub mesquite, Spanish dagger, and ocotillo.
	S. 89° 52' E. on a random line, bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Fall 12 lks. S. of cor. of secs. 25 and 36, on the E. bdy. of the Tp., hereinbefore described.
	Thence N. 89° 57' W. on true line, bet. secs. 25 and 36. Over mountainous land, through very scattering timber and dense undergrowth. Ascend 53 ft. over N. slope.
6.20	Desc. 96 ft. over NW. slope
9.95	Head of gulch course N. Asc. 20 ft. over NE slope.
13.50	Desc. 25 ft. over NW. slope.
17.45	Gulch, 50 lks. wide, course N. Asc. 18 ft. over E. slope.
21.00	Desc. 10 ft. over W. slope.

Chains	
22.95	Gulch 50 lks. wide, course N. Asc. 34 ft. over E. slope.
28.00	Desc. 20 ft. over NW slope.
30.45	Gulch 100 lks. wide, course NE. Ascend 64 ft. over E. slope.
39.00	Descend 11 ft. over NW slope to
39.98	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ $\frac{S25}{S36}$ 1922
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Descend 5 ft. over NW slope.
40.45	Wash, course NE. Asc. 190 ft. over NE slope.
53.95	Ridge, brs. NW. and SE; Desc. 440 ft. over SW. slope to
79.96	The cor. of secs. 25, 26, 35 and 36. Land, mountainous. Soil, rocky, 3rd rate. Timber, mesquite. Undergrowth, cat claw, ocotillo, and Spanish dagger.
N.0°2'W. bet. secs. 25 and 26.	
	Over mountainous land, through very scattering timber and undergrowth. Descend slightly over W slope to
0.25	Gully, course SW. Asc. 30 ft. over SW slope to
5.20	Draw, course SW. Ascend 100 ft. over SE slope
11.00	Spur slopes SW. Descend 10 ft. over NW slope.
14.00	Wash, 50 lks. wide, course SW. Ascend 90 ft. over SE slope
18.70	Spur slopes SW. Desc. 20 ft. over NW slope.
22.18	Asc. 50 ft. over Sw. slope.
28.95	Ridge brs. NW. and SE. Desc. 290 ft. over NE slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ S26 S25 1922
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Descend 91 ft. over NE slope to
45.00	Gulch, 50 lks. wide, course N.10°W. Desc. 56 ft. over NW slope to
51.00	Wash, 100 lks. wide, course S.70°W. From this point small spring brs. S. 70°W. about 30 chs. dist. Asc. 255 ft. over S and SE slopes.
78.50	Ridge brs. E and SW. Desc. 40 ft. over N slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap
	T4S R13E S23 S24 S26 S25 1922
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, mountainous. Soil, rocky, 4th rate. Timber, mesquite, and palo verde. Undergrowth, cat claw, giant cactus, cholla, scrub oak, ocotillo, and Spanish dagger.
S.89°57'E. on a random line, bet. secs. 24 and 25.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Fall 2 lks. S. of the cor. of secs. 24 and 25, on the E.

Chains bdy. of Tp., hereinbefore described.
 Thence
 N. 89° 58' W. on a true line, bet. secs. 24 and 25,
 Over mountainous land, through dense undergrowth.
 Asc. 175 ft. over S and SE slopes to
 13.70 Spur slopes NE. Desc. 60 ft. over NW slope.
 23:00 Ascend 97 ft. over N slope to
 30.95 Head of ravine; course NE. Asc. 45 ft. over NE slope to
 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
 in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S24
 S25
 1922

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, N.
 of cor.
 Ascend slightly over NE slope to
 40.95 Draw, course NE near head. Asc. 37 ft. over NE slope
 43.80 Desc. 195 ft. over N. and NW slope to
 58.45 Gulch 100 lks. wide, course NE head head. Asc. 25 ft.
 over NE slope.
 60.95 Saddle in ridge, brs. N. and S. Desc. 25 ft. over N.
 slope to
 61.95 Head of gulch, course NW. Ascend 25 ft. over N slope to
 68.90 Head of gulch, course N. Asc. 47 ft. over N slope to
 79.94 The cor. of secs. 23, 24, 25 and 26.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, scrub oak, Spanish dagger, pale verde,
 ocotillo and cat claw.

N. 0° 2' W. bet. secs. 23 and 24.
 Over mountainous land, through dense undergrowth.
 Desc. 345 ft. over N slope.
 15.00 Wash, 75 lks. wide, in gulch, course N. 70° W. Asc. 195 ft.
 over SW slope
 33.70 Ridge bears E and W. Desc. 65 ft. over NW slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
 in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S23 | S24
 1922

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W.
 of cor.
 Descend, 205 ft. over NW slope
 52.60 Draw, course NW. Asc. 10 ft. over SW slope.
 53.60 Desc. 145 ft. over NW slope.
 63.00 Wash 100 lks. wide, in gulch, course N. 70° W. Asc.
 170 ft. over SW slope.
 71.40 Spur slopes NW. Desc. 125 ft. over W slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.
 in the ground, for cor. of secs. 13, 14, 23 and 24,
 marked on brass cap

T4S | R13E
 S14 | S13
 S23 | S24
 1922

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W.
 of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, cat claw, ocotillo and giant cactus.

Survey of the Subdivisions Lines of T. 4 S., R. 13 E.

29

Chains	S.89°58'E. on a random line, bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Fall 2 lks. N. of cor. of secs. 13 and 24, on the E. bdy. of the Tp., hereinbefore described.
	Thence
	N.89°57'W. on a true line, bet. secs. 13 and 24.
	Over mountainous land, through dense undergrowth.
	Asc. 210 ft. over SE slope.
13.50	Ridge, brs. N. and S. turning to E. at about 100 lks. N. Spur slopes N. from ridge. Desc. 125 ft. over W. slope.
30.00	Wash, 30 lks. wide, in gulch, course N. Ascend 30 ft. over NE slope.
32.50	Descend 10 ft. over NW slope.
34.00	Wash, 30 lks. wide, course NE. Ascend 117 ft. over E. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4} \frac{S13}{S24}$ 1922
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Ascend 27 ft. over E. slope
42.35	Descend 8 ft. over NW slope.
45.00	Draw, course NE. Ascend 60 ft. over E. slope.
49.50	Desc. 10 ft. over NW slope.
51.00	Head of wash, course NE. Ascend 206 ft. over E slope to
57.50	Ridge, brs. N. and S. Desc. 107 ft. over W. slope to
64.50	Head of gulch, course NW. Desc. 226 ft. over N and NW slope to
76.20	Gully, course NW. Ascend 10 ft., on NE. slope.
77.00	Desc. 17 ft. over N slope to
80.00	The cor. of secs. 13, 14, 23 and 24.
	Land, mountainous.
	Soil, rocky, 4th rate.
	Timber, none.
	Undergrowth, cat claw, scrub mesquite, scrub oak, ocotillo, and giant cactus.
	N.0°2'W. bet. secs. 13 and 14.
	Over mountainous land, through dense undergrowth.
	Desc: 65 ft. over N slope.
2.00	Wash 100 lks. wide, in gulch, course NW. Asc. 20 ft. over SW slope.
7.00	Desc. 100 ft. over N. slope.
10.00	Wash 2 chs. wide, in gulch, course NW. Asc. 50 ft. over SW slope.
17.30	Desc. 90 ft. over NW slope.
22.15	Asc. 10 ft. over SW slope.
24.15	Desc. 140 ft. over NW slope.
30.00	Wash, 1.20 chs. wide, in gulch, course W. Ascend 10 ft. over SW slope.
32.00	Descend 113 ft. over NE slope.
36.00	Wash, 2 chs. wide, in gulch, course NW. Asc. 50 ft. over SW slope.
38.74	Descend 10 ft. over NE slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$S13 \mid S14$ 1922
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Descend 5 ft. over NE slope to
40.50	Draw, course NW. Desc. 105 ft. over W and NW slopes.

Chains							
49.50	Wash, 50 lks. wide, course W. Asc. 28 ft. over SW slope.						
53.57	Prospect hole brs. West 5 lks. dist.						
55.85	Desc. 20 ft. over NW slope.						
59.40	Wash, 50 lks. wide, in gulch, course NW. Asc. 240 ft. over SW slope.						
76.50	Spur, slopes W. Desc. 125 ft. over N slope to						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap						
	<table border="1"> <tr> <td>T4S</td> <td>R13E</td> </tr> <tr> <td>S11</td> <td>S12</td> </tr> <tr> <td>S14</td> <td>S13</td> </tr> </table>	T4S	R13E	S11	S12	S14	S13
T4S	R13E						
S11	S12						
S14	S13						
	1922						
	No bearing trees available.						
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.						
	Land, mountainous.						
	Soil, rocky, 4th rate.						
	Timber, none.						
	Undergrowth, cat claw, scrub mesquite, ocotillo, scrub oak, and giant cactus.						
	S. 89°57'E. on a random line, bet. secs. 12 and 13.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.12	Fall 7 lks. S. of the cor. of secs. 12 and 13, on the E. bdy. of the Tp., hereinbefore described. Thence, West on a true line, bet. secs. 12 and 13. Over mountainous land, through dense undergrowth. Asc. 120 ft. over E slope.						
6.70	Ridge brs. N and S. Desc. 150 ft. over W slope.						
10.84	From this point, the East end center monument of Iron-King Lode Mining Claim, Mineral Survey No. 3136A, Riverside Mining District brs. South 52 lks. dist.						
15.60	Wash, 20 lks. wide, in gulch, course N. 80°W. Asc. 10 ft. over NE slope.						
17.00	Desc. 10 ft. over NW slope.						
18.10	Wash, 2 chs. wide, course N. Ascend 23 ft. over NE slope						
20.75	Descend 50 ft. over NW slope.						
23.10	Wash, 100 lks. wide, in gulch, course NE. Ascend 211 ft. over E slope.						
33.10	Ridge, brs. N. and S. Desc. 93 ft. over W slope to						
40.06	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap						
	<table border="1"> <tr> <td>$\frac{1}{4}$ S12</td> </tr> <tr> <td>S13</td> </tr> </table>	$\frac{1}{4}$ S12	S13				
$\frac{1}{4}$ S12							
S13							
	1922						
	No bearing trees available.						
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.						
	Descend 35 ft. over W slope.						
41.10	Wash, 30 lks. wide, course NW. Asc. 122 ft. over NE slope						
47.00	Descend 12 ft. over NW slope						
50.10	Gulch, course NE. Ascend 310 ft. over NE slope.						
59.10	Ridge brs. NW and SE. Desc. 300 ft. over SW slope.						
68.60	Wash, 50 lks. wide, in gulch, course NW. Asc. 100 ft. over NE slope.						
74.75	Desc. 98 ft. over W. slope.						
78.40	Head of gulch, course NW. Ascend 17 ft. over N slope to						
80.12	The cor. of secs. 11, 12, 13 and 14.						
	Land, mountainous.						
	Soil, rocky, 4th rate.						
	Timber, none.						
	Undergrowth, palo verde, cat claw, scrub oak, and ocotillo.						

Chains

- N. 0°2'W. bet. secs. 11 and 12.
Over mountainous land, through dense undergrowth.
Desc. 95 ft. over N slope to
2.50 Gulch, course NW. Descend 12 ft. over W slope to
5.00 Spur, slopes NW. Desc. 166 ft., over NE slope
11.00 Gulch, course NW. Asc. 150 ft. over SW slope
15.00 Spur, slopes NW. Desc. 107 ft. over N slope
25.50 Wash, 40 lks. wide, in gulch, course NW. Asc. 52 ft.
over SW slope.
28.00 Telephone line, brs. NE and SW.
28.60 Highway, brs. NE and SW. Extends westerly to Florence
and southeasterly to Winkleman
36.06 Spur, slopes NW. Desc. 34 ft. over NE slope to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \text{S11} | \text{S12} \end{array}$$

1922

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W.
of cor.

Descend 80 ft. over NE slope.

- 40.80 Tunnel brs. West 12 lks. dist.

- 49.40 Wash 100 lks. wide, course NW. Desc. 15 ft. over W.
-
- slope to

- 51.90 Asc. 10 ft. over SW slope

- 53.40 Spur, slopes NW. Desc. 17 ft. over NE slope.

- 55.86 Wash, 40 lks. wide, course NW. Asc. 105 ft. over SW slope.

- 67.20 Spur, slopes NW. Desc. 150 ft. over NE slope to

- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins.
-
- in the ground to bed rock and raise a md. of stone
-
- around post for cor. of secs. 1, 2, 11 and 12, marked
-
- on brass cap

$$\begin{array}{c} \text{T4S} | \text{R13E} \\ \text{S 2} | \text{S 1} \\ \hline \text{S11} | \text{S12} \end{array}$$

1922

No bearing trees available.

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W.
of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, cat claw, cactus, and scrub oak.

- East on a random line, bet. secs. 1 and 12.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 Fall 20 lks. N. of the true point for cor. of secs. 1
and 12, on the E. bdy. of the Tp., witnessed at 5.00
chs. S.0°12'E. as hereinbefore described.
From the true sec. cor. point on sand bar.
N.89°51'W. on a true line, bet. secs. 1 and 12.
Over nearly level sand bar in bed of Gila River.
6.50 Left edge of water channel of Gila River, brs. N.54°E.
and S.54°W. leave sand bar
Thence across water channel of river, course S.54°W.
8.00 Right edge of water channel brs. N.54°E and S.54°W.
Leave water channel. Ascend 40 ft. over SE slope to
9.25 Top of right bank of Gila River brs. NE. and SW. Leave
Gila River.
Thence over rolling land, Ascend 20 ft. over SE slope
10.15 Arizona Eastern Railroad, brs. N.50°E. and S.50°W.
13.05 Rim of bench brs. NE. and SW. Thence over nearly level

Chains	bench thru scattering undergrowth.
21.05	Wire fence, brs. N. $71\frac{1}{4}^{\circ}$ E. and S. $71\frac{1}{4}^{\circ}$ W.
25.35	Ray and Gila Valley R. R. brs. N. $71\frac{1}{4}^{\circ}$ E. and S. $71\frac{1}{4}^{\circ}$ W.
32.05	Highway brs. NE. and SW. Extends southeasterly to Winkleman and northerly to Ray.
40.02	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap.
	$\frac{1}{4}$ <u>S 1</u> S12 1922
	No bearing trees available.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
40.55	Same highway, brs. NW. and SE.
43.35	Ray and Gila Valley R.R., on curve, bearing NW and SE.
44.05	From this point, Southern Hotel at Town of Kelvin brs. North about 4 chs. dist.
45.55	Highway, brs. N. and S. Extends northerly to Ray and southwesterly to Florence.
47.05	Left bank of Mineral Creek, 40 ft. high, brs. N. and S.
48.00	Center of dry bed of Mineral Creek 100 lks. wide, course S.
49.00	Right bank of Mineral Creek, 40 ft. high brs. N. and S. Thence over rolling land. Ascend gradually over SE slope, thru scattering timber and dense undergrowth.
59.95	Telegraph line, brs. N. $58^{\circ}50'$ W. and S. $58^{\circ}50'$ E.
61.10	Arizona Eastern Railroad, brs. N. $58^{\circ}50'$ W. and S. $58^{\circ}50'$ E. Descend 46 ft. over SW slope to
66.05	Right edge of bed of Gila River, brs. N. 50° W. and S. 50° E. Thence across dry, sandy bed of Gila River
74.00	Right edge of water in Gila River brs. NW and SE. Thence across water flowing NW.
77.00	Left edge of water in Gila River, brs. NW and SE. Leave Gila River. Enter mountainous land and dense undergrowth. Asc. 46 ft. over NE slope to
80.04	The cor. of secs. 1, 2, 11 and 12. Land, nearly level, rolling and mountainous. Soil, sandy and rocky, 4th rate. Timber, palo verde, and mesquite. Undergrowth, cat claw, cactus, and scrub oak.
40.00	N. $0^{\circ}2'$ W. on a random line, bet. secs. 1 and 2. Set temp. $\frac{1}{4}$ sec. cor.
79.55	Fall 5 lks. W. of the original cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp. estab. by R.J. Gill, U.S.S., in 1916, which is an iron post, 2 ins. in diam., projecting 21 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap and witnessed by a mound of stone W. of cor. No bearing trees.
	Thence
	South on a true line, bet. secs. 1 and 2. Over mountainous land, through very scattering timber and dense undergrowth.
	Desc. 16 ft. over E slope.
7.51	From this point, cor. No. 3 of Old Spanish lode mining claim, Mineral Survey No. 1975, Mineral Creek Mining District, brs. West 56 lks. dist.
9.65	Descend 150 ft. over SE and S slope.
21.75	Gulch, course E. Asc. 185 ft. over N. slope.
28.40	Spur, slopes E. From this point west end center monument Dunham lode mining claim, Mineral Survey No. 1590, Mineral Creek Mining District, brs. East 2.67 chs. dist. Desc. 95 ft. over S. and SW slope to
39.55	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

Chains.

$\frac{1}{4}$
 S 2 | S 1
 1922

from which,

A palo verde, 12 ins. in diam., brs. S. 23° 20' E.,
15 lks. dist., marked $\frac{1}{4}$ S 1 BT.

A palo verde, 10 ins. in diam., brs. S. 31° W., 21 lks.
dist., marked $\frac{1}{4}$ S 2 BT.

Ascend 17 ft., over NW. slope.
 41.05 Descend 75 ft., over SW. slope.
 48.95 Ascend 25 ft., over NW. slope.
 53.15 Descend 25 ft., over SW. slope.
 57.55 Ascend slightly over W. slope.
 61.45 Spur, slopes SW.
 Descend 139 ft., over S. and SW. slopes.
 69.40 Telegraph line, brs. N. 85° W. and S. 85° E.
 70.05 Arizona Eastern R.R. brs. N. 85° W. and S. 85° E.
 70.55 Right edge of bed of Gila River, brs. NW. and SE. Thence
across dry sandy bed of Gila River.
 75.00 Right edge of water in Gila River, brs. NW. and SE. Thence
across water, flowing NW.
 77.75 Left edge of water in Gila River, brs. NW. and SE. Leave
Gila River.
 Ascend 56 ft., over NE. slope, to
 79.55 The cor. of secs. 1, 2, 11 and 12.
 Land, mountainous.
 Soil, rocky, 4th rate, granite formation.
 Timber, palo verde and mesquite.
 Undergrowth, catclaw, ocotillo and cactus.

 From the cor. of secs. 34 and 35, on the S. bdy. of the Tp.,
 hereinbefore described,

N. 0° 2' W., bet. secs. 34 and 35.

Over mountainous land, thru. very scattering timber and
 dense undergrowth.

Descend 64 ft., over NE. slope, to
 3.70 Head of draw, course NE.
 Ascend 16 ft., over SE. slope.
 7.00 Descend 97 ft., over NE. slope.
 13.00 Wash, 50 lks. wide, in gulch, course NW.
 Ascend 15 ft., over SW. slope.
 17.75 Descend 128 ft., over NW. slope.
 26.00 Wash, 100 lks. wide, in gulch, course NE.
 Ascend 35 ft., over SE. slope.
 29.05 Descend 35 ft., over NE. slope.
 33.00 Bend in same wash, course NE. from SE.
 Ascend 10 ft., over SE. slope.
 34.00 Descend 50 ft., over NE. slope.
 36.00 Bottom of gulch, 1.50 chs. wide, course E.
 Ascend 50 ft., over SE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
 S 34 | S 35
 1922

No bearing trees available. Raise a mound of stone, 3 ft.
 ft. base, 2 ft. high, W. of cor.
 Thence along E. slope, ascending slightly to
 44.00 Descend 185 ft., over NE. slope.
 67.50 Ripsey Wash, 70 lks. wide, in gulch, course NW.
 Ascend 75 ft., over SW. slope.
 71.60 Descend 95 ft., over steep W. slope.
 76.38 Ascend 40 ft., over SW. slope.

34 Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

79.31 Descend 17 ft., over NW. slope, to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap,

T4S	R13E
S27	S26
S34	S35
1922	

from which,

A palo verde, 6 ins. in diam., brs. N. 11° W., 102 lks. dist., marked T4S R13E S27 BT.

No other bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, palo verde and mesquite.

Undergrowth, scrub oak, ocotillo and catclaw.

40.00 S. 89° 59' E., on a random line, bet. secs. 26 and 35.
Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 25, 26, 35 and 36.

Thence,

N. 89° 57' W., on a true line, bet. secs. 26 and 35.

Over mountainous land, thru. very scattering timber and dense undergrowth.

2.95 Descend 28 ft., over NW. slope, to
Gully, course SW.

15.45 Descend 120 ft., over SW. slope, to
Bend in wash, 20 lks. wide, course N. 80° W. from N. 80° E.

Descend 167 ft., over NW. slope, to

39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 26
S 35
1922

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

43.95 Descend 19 ft., over NW. slope, to
Same wash, 20 lks. wide, course S. 70° W. Thence along S. slope.

49.95 Descend 35 ft., to
Same wash, 30 lks. wide, course N. 80° W.

Descend 187 ft., over NW. slope, to

79.94 The cor. of secs. 26, 27, 34 and 35.

Land, mountainous.

Soil, rocky, 2nd rate.

Timber, palo verde.

Undergrowth, scrub oak, ocotillo and catclaw.

N. 0° 2' W., bet. secs. 26 and 27.

Over mountainous land, thru. very scattering timber and dense undergrowth.

0.50 Descend slightly over NW. slope, to
Wash, 30 lks. wide, course W.

Ascend 85 ft., over SW. slope.

5.30 Point of spur, slopes W.

Descend 70 ft., over NW. slope.

12.00 Wash, 50 lks. wide, course W.

Ascend 45 ft., over S. slope.

17.20 Spur, slopes W.

Descend 70 ft., over N. slope.

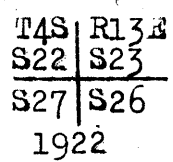
Chains.

- 23.00 Wash, 30 lks.wide, course W.
Ascend 95 ft., over S. slope.
- 28.00 Spur, slopes W.
Descend 145 ft., over N.slope.
- 39.00 Wash, 100 lks.wide, course NW.
Ascend 20 ft., over SW.slope, to
- 40.00 The true point for $\frac{1}{4}$ sec.cor. falls on slide rock, where
it cannot be permanently monumented; therefore, at
- 40.20 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins.in
the ground, for witness cor.to $\frac{1}{4}$ sec.cor., marked on
brass cap,



from which,
A palo verde, 10 ins. in diam., brs.S.49°W.,
102 lks.dist., marked WC $\frac{1}{4}$ S 27 BT.

- No other bearing trees available. Raise a mound of stone
3 ft. base, 2 ft.high, W.of cor.
Ascend 57 ft., over SW.slope.
- 51.00 Spur, slopes W. from SE.
Descend 96 ft., over N.slope, to
- 56.50 Center of wash, 5 chs.wide, course W.
Ascend 95 ft., over S.slope.
- 65.00 Ridge, brs.E. and W.
Descend 35 ft., over N.slope.
- 74.50 Gulch, 20 lks.wide, course NW.
Ascend 52 ft., over SW. slope, to
- 80.00 Spur, slopes NW. Set an iron post, 3 ft. long, 2 ins.in
diam., 26 ins.in the ground, for cor, of secs.22,23,26
and 27, marked on brass cap,



No bearing trees available. Raise a mound of stone, 3
ft.base, 2 ft.high, W.of cor.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, palo verde.
Undergrowth, scrub oak, catclaw, Spanish dagger and cactus.

-
- 40.00 S.89°57'E., on a random line, bet. secs. 23 and 26.
Set temp. $\frac{1}{4}$ sec.cor.
 - 79.90 Intersect N. and S. line, 9 lks.S. of the cor.of secs.23,
24,25 and 26.
Thence,
S.89°59'W., on a true line, bet. secs. 23 and 26.
Over mountainous land, thru. very scattering timber and
dense undergrowth.
 - 8.30 Descend 36 ft., over NW. slope.
Head of gulch, course N.
Ascend 76 ft., over E.slope.
 - 11.25 Ridge, brs.N. and S.
Descend 265 ft., over W.slope.
 - 22.90 Draw, course S., near head.
Ascend 20 ft., over SE.slope.
 - 27.90 Spur, slopes S.
Descend 95 ft., over SW.slope.
 - 34.40 Ascend 9 ft., over SE.slope.
 - 35.35 Spur, slopes SW.
Descend 135 ft., over NW.slope, to
 - 39.95 Set an iron post, 3 ft.long, 1 in. indiam., 18 ins. in
the ground, to bed rock, and raise a mound of stone

36 Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

around post for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$ S 23
S 26
1922

- No bearing trees available. Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.
 Descend 105 ft., over NW. slope.
 49.10 Head of gulch, course NW.
 Ascend 28 ft., over NE. slope.
 51.10 Point of spur, slopes NW.
 Descend 50 ft., over NW. slope, to
 54.60 Head of gulch, course NW.
 Descend 47 ft., over NW. slope.
 59.50 Center of wash, 1.50 chs. wide, course N. 20° W.
 Ascend 30 ft., over NE. slope.
 61.90 Spur, slopes NW.
 Descend 40 ft., over W. slope, to
 73.40 Head of gulch, course NW.
 Descend 10 ft., over NW. slope, to
 76.40 Head of gulch, course NW.
 Ascend 15 ft., over NE. slope, to
 79.90 The cor. of secs. 22, 23, 26 and 27.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, scrub oak, catclaw and cactus.

- N. $0^{\circ}2'$ W.; bet. secs. 22 and 23.
 Over mountainous land, thru. very scattering timber and dense undergrowth.
 Descend 60 ft., over NE. slope, to
 3.70 Gulch, course NW.
 Descend 30 ft., over NW. slope, to
 5.80 Gulch, course NW.
 Ascend 42 ft., over S. slope.
 12.00 Spur, slopes W.
 Descend 115 ft., over N. slope.
 19.62 Wash, 70 lks. wide, in gulch, course W.
 Ascend 220 ft., over S. slope.
 27.50 Spur, slopes W.
 Descend 51 ft., over N. slope.
 32.00 Head of gulch, course W.
 Ascend 120 ft., over SW. slope.
 39.00 Spur, slopes W.
 Descend 20 ft., over N. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S22 $\frac{1}{4}$ S23
1922

- No bearing trees available. Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
 Descend 170 ft., over N. slope.
 47.20 Wash, 20 lks. wide, in gulch, course NW. near head.
 Ascend 55 ft., over SW. slope.
 54.20 Ridge, hrs. N. and SE.
 Descend 175 ft., along top of ridge.
 72.00 Saddle in ridge.
 Ascend 18 ft., along top of ridge, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap,

Survey of Subdivision lines of T.4 S., R.13 E. 37

Chains.

T4S R13E
S15 S14
S22 S23
1922

from which,
A palo verde, 5 ins. in diam., brs. S. 67° W., 30
lks. dist., marked T4S R13E S22 BT.

No other bearing trees available. Raise a mound of stone
2½ ft. base, 2 ft. high, W. of cor.

Land, mountainous.
Soil, rocky, 4th rate, granite formation.
Timber, palo verde.
Undergrowth, catclaw, scrub oak, Spanish dagger and cactus.

40.00 N. 89° 59' E., on a random line, bet. secs. 14 and 23.
Set temp. ¼ sec. cor.
79.90 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 13,
14, 23 and 24.

Thence,
West, on a true line, bet. secs. 14 and 23.
Over mountainous land, thru. very scattering timber and
dense undergrowth.

17.40 Descend 275 ft., over N. and NW. slopes.
Center of wash, 100 lks. wide, course N.
Ascend 40 ft., over E. slope.

19.35 Descend 30 ft., over NW. slope.

24.30 Ascend 35 ft., over NE. slope.

34.30 Spur, slopes NW.

39.95 Descend 65 ft., over W. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap,

¼ S 14
S 23
1922

No bearing trees available. Raise a mound of stone, 2 ft.
base, 1½ ft. high, N. of cor.

40.90 Descend 5 ft., over W. slope.

48.40 Wash, 50 lks. wide, course NW.
Ascend 20 ft., over NE. slope.

53.80 Ridge, brs. NW. and SE.

61.40 Descend 61 ft., over SW. slope.

67.90 Wash, 70 lks. wide, course NW.
Ascend 52 ft., over NE. slope.

70.90 Spur, slopes NW.

75.00 Descend 100 ft., over W. slope.

76.90 Gulch, 100 lks. wide, course NW.
Ascend 20 ft., over NE. slope.

79.90 Spur, slopes N. 40° W.

Descend 65 ft., over SW. slope, to
Wash, 30 lks. wide, course N. 40° W.

76.90 Descend 15 ft., over NW. slope, to
Wash, 30 lks. wide, course N.

79.90 Ascend 85 ft., over E. slope, to
The cor. of secs. 14, 15, 22 and 23, on top of ridge, bearing
NW. and SE.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, palo verde.
Undergrowth, catclaw, scrub oak and cactus.

N. 0° 2' W., bet. secs. 14 and 15.
Over mountainous land, thru. very scattering timber
and dense undergrowth.

38 Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

Descend 160 ft., over NE. slope.
 22.30 Wash, 40 lks. wide, course W.
 Ascend 36 ft., over SW. slope.
 24.00 Descend 40 ft., over NW. slope, to
 28.00 Bend in same wash, course NW. from SW.
 Ascend 30 ft., over SW. slope.
 33.40 Spur, slopes NW.
 Descend 65 ft., over NE. slope.
 38.30 Wash, 20 lks. wide, course NW.
 Ascend 16 ft., over SW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \\ S15 | S14 \end{array}$$

1922

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, W. of cor.
 Ascend 15 ft., over SW. slope.
 42.00 Spur, slopes NW.
 Descend 73 ft., over NE. slope.
 47.30 Wash, 100 lks. wide, in gulch, course NW.
 Ascend 120 ft., over SW. slope.
 60.40 Ridge, brs. NW and SE.
 Descend 196 ft., over NE. slope.
 74.80 Old road, brs. E. and W.
 75.00 Wash, 40 lks. wide, course W.
 Ascend 26 ft., over W. slope, to
 79.50 Wash, 50 lks. wide, course SW. from E.
 Ascend 10 ft., over SW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the
 ground, for cor. of secs. 10, 11, 14 and 15, marked on
 brass cap,

$$\begin{array}{c} T4S R13E \\ S10 | S11 \\ \hline S15 | S14 \\ 1922 \end{array}$$

from which,

- A palo verde, 6 ins. in diam., brs. N. $48\frac{1}{2}^{\circ}$ E., 193
lks. dist., marked T4S R13E S11 BT.
- A palo verde, 6 ins. in diam., brs. S. 41° E., 112
lks. dist., marked T4S R13E S14 BT.
- A palo verde, 12 ins. in diam., brs. S. $45\frac{1}{2}^{\circ}$ W., 79
lks. dist., marked T4S R13E S15 BT.
- A palo verde, 5 ins. in diam., brs. N. $47\frac{3}{4}^{\circ}$ W., 17
lks. dist., marked T4S R13E S10 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, palo verde:

Undergrowth, catclaw, scrub oak and cactus.

 East, on a random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.82 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 11, 12
 13 and 14.
 Thence,
 S. $88^{\circ}59'$ W., on a true line, bet. secs. 11 and 14.
 Over mountainous land, thru. very scattering timber and
 dense undergrowth.
 Descend 275 ft., over N. and NW. slopes.
 14.70 Highway, brs. NE. and SW. Extends southwesterly to Flor-
 ence, northerly to Ray, and southeasterly to Winkleman.
 15.80 Wash, 100 lks. wide, course N.
 Ascend 15 ft., over N. slope, to
 20.30 Center of wash, 5 chs. wide, course NE. Old road in wash,
 brs. NE. and SW.

Survey of Subdivision lines of T. 4 S. R. 13 E. LOOK 3603

Chains.

- 39.91 Ascend 131 ft., over SE. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- $\frac{1}{4}$ S 11
S 14
1922
- from which,
A palo verde, 6 ins. in diam., brs. N. 70° E.,
19 lks. dist., marked $\frac{1}{4}$ S 11 BT.
No other bearing trees available. Raise a mound of stone,
3 ft. base, 2 ft. high, N. of cor.
- 41.50 Ascend slightly over SE. slope, to
Ridge, brs. N. and S.
Descend 88 ft., over SW. slope.
- 49.00 Highway brs. N. and S. Extends southwesterly to Florence
and northerly to Ray, and southeasterly to Winkelman.
- 56.30 Bottom of gulch, 1.50 chs. wide, course S.
Ascend 30 ft., over SE. slope.
- 62.55 Descend 25 ft., over S. slope, to
- 67.50 Descend 75 ft., over NW. slope.
- 72.70 Wash, 60 lks. wide, course SW.
Ascend 25 ft., over SE. slope.
- 76.80 Descend 45 ft., over SW. slope, to
- 79.82 The cor. of secs. 10, 11, 15 and 15.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, palo verde.
Undergrowth, catclaw, cactus, Spanish dagger and scrub
oak.
-
- N. 0° 2' W., bet. secs. 10 and 11.
Over mountainous land, thru. very scattering timber and
dense undergrowth.
- 5.00 Ascend 50 ft., over SW. slope.
Descend 15 ft., over W. slope.
- 13.00 Ascend 140 ft., over SW. slope.
- 17.00 Highway brs. E. and W. Extends southwesterly to Florence
northerly to Ray and southeasterly to Winkelman.
- 18.00 Telephone line, brs. E. and W.
- 33.75 Spur, slopes W.
Descend 36 ft., over NW. slope.
- 33.94 From this point, U.S.L.M. No. 1, Ripsey Mining District brs.
N. 83° 33' W.
- 38.20 Head of wash, course W.
Ascend 28 ft., over SW. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- $\frac{1}{4}$
S 10 | S 11
1922
- No bearing trees available. Raise a mound of stone, 2
ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 49.15 Ascend 149 ft., over SW. slope.
Spur, slopes W.
- 66.40 Descend 695 ft., over N. slope, to
Left bank of Gila river, brs. E. and W. Thence across river
bed.
- 66.90 Left edge of water, brs. E. and W. Thence across water,
flowing W.
- 68.90 Right edge of water, brs. E. and W. Leave water. Thence
across river bed.
- 72.00 Right bank of Gila river, brs. E. and W. Leave Gila river.

40 Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.	Ascend 145 ft., over S. slope to sec. cor. Arizona Eastern R.R., brs. E. and W. Telephone line, brs. N. 70° W. and S. 70° E. Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap,						
73.28							
74.73							
80.00							
	<table border="1"> <tr><td>T4S</td><td>R13E</td></tr> <tr><td>S 3</td><td>S 2</td></tr> <tr><td>S10</td><td>S11</td></tr> </table> <p>1922</p>	T4S	R13E	S 3	S 2	S10	S11
T4S	R13E						
S 3	S 2						
S10	S11						
	No bearing trees available. Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Land, mountainous. Soil, rocky, 4th rate. Timber, palo verde. Undergrowth, catclaw, cactus, scrub oak and Spanish dagger.						

	N. 89° 59' E., on a random line, bet. secs. 2 and 11.						
40.00	Set temp. ¼ sec. cor.						
80.10	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 1, 2, 11 and 12.						
	Thence, N. 89° 58' W., on a true line, bet. secs. 2 and 11. Over mountainous land, thru. very scattering timber and dense undergrowth. Ascend 15 ft., over NE. slope.						
1.40	Descend 56 ft., over N. and NW. slopes, to						
16.35	Left bank of Gila River, brs. NE. and SW. Thence across river bed.						
19.40	Left edge of water, brs. N. 32° E. & S. 32° W. Thence across water flowing SW.						
21.35	Right edge of water, brs. N. 32° E. and S. 32° W. Leave water. Thence across river bed.						
23.10	Right bank of Gila river, brs. N. 32° E. and S. 32° W. Leave Gila river.						
	Ascend 150 ft., over SE. slope.						
23.55	Arizona Eastern R.R., brs. N. 32° E. and S. 32° W.						
24.05	Telegraph line parallel to railroad.						
28.75	Spur, slopes S.						
	Descend 100 ft., over SW. slope, to						
40.05	The true point for ¼ sec. cor. falls in wash, 10 lks. wide, course S. It would be unsafe to set monument here; therefore, at						
40.20	Set an iron post, 3 ft. long, 1 in. in diam., 8 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 witness cor. to ¼ sec. cor., marked on brass cap,						
	<table border="1"> <tr><td>¼ S</td><td>2 WC</td></tr> <tr><td>S 11</td><td></td></tr> </table> <p>1922</p>	¼ S	2 WC	S 11			
¼ S	2 WC						
S 11							
	No bearing trees available. Ascend 90 ft., over E. slope.						
45.10	Spur, slopes S.						
	Descend 87 ft., over SW. slope.						
52.10	Wash, course S.						
	Ascend 220 ft., over SE. slope.						
63.00	Descend 188 ft., over S. slope, to						
80.10	The cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, rocky, 4th rate, granite formation. Timber, palo verde. Undergrowth, scrub mesquite, catclaw and cactus.						

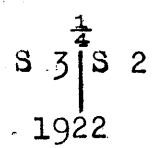
Survey of Subdivision lines of T. 4 S., R. 13 E. 41

Chains.

North, on a random line, bet. secs. 2 and 3.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.52 Fall 12 lks. W. of the original cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., established by R. J. Gill, U.S.S. in 1916, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone W. of cor. No bearing trees.

Thence,
 S. $0^{\circ}5'W.$, on a true line, bet. secs. 2 and 3.
 Over mountainous land, thru. very scattering timber and dense undergrowth.

10.80 Ascend 345 ft., over W. and NW slopes.
 Spur, slopes W.
 15.25 Descend 147 ft., over SW. slope.
 Head of gulch, course W.
 20.25 Ascend 47 ft., over N. slope.
 Spur, slopes W.
 28.90 Descend 363 ft., over S. slope.
 Gulch, course SW.
 36.15 Ascend 121 ft., over NW slope.
 Spur, slopes SW.
 39.52 Descend 145 ft., over SE slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



No bearing trees available. Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
 54.10 Descend 515 ft., over S. slope.
 Gulch, course SW.
 63.30 Ascend 157 ft., over NW slope.
 Spur, slopes W.
 75.20 Descend 365 ft., over S. slope.
 Gulch, course SW.
 78.00 Ascend 50 ft., over NW slope.
 Spur, slopes SW.
 79.52 Descend 40 ft., over S. slope, to
 The cor. of secs. 2, 3, 10 and 11.
 Land, mountainous.
 Soil, rocky, 4th rate, granite formation.
 Timber, mesquite and palo verde.
 Undergrowth, catclaw, ocotillo and cactus.

From the cor. of secs. 33 and 34 on the S. bdy. of the Tp., hereinbefore described,
 N. $0^{\circ}3'W.$, bet. secs. 33 and 34.
 Over mountainous land, thru. very scattering timber and scattering undergrowth.

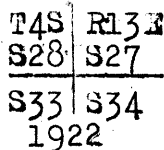
12.75 Descend 62 ft., over W. slope, to
 Spur, slopes NW.
 27.60 Descend 199 ft., over N. slope.
 Wash, 50 lks. wide, course NW.
 30.65 Ascend 15 ft., over SW. slope.
 Point of spur, slopes NW. From this point, square house
 brs. N. $57^{\circ}58'W.$
 40.00 Descend 195 ft., over N. slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



42 Survey of Subdivision lines of T. 4 S., R. 13 E.

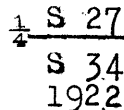
Chains.

from which,
 A mesquite, 10 ins. in diam., brs. S. 66° E., 120 lks. dist., marked $\frac{1}{4}$ S 34 BT.
 A mesquite, 6 ins. in diam., brs. N. 67° W., 73 lks. dist., marked $\frac{1}{4}$ S 33 BT.
 Descend slightly over N. slope, to
 40.20 Wash, 30 lks. wide, course NE.
 Descend gradually over NE. slope, to
 44.10 Draw, 10 lks. wide, course E.
 Ascend 20 ft., over SE. slope.
 45.88 From this point, square house brs. N. 74° 26' W.
 51.60 Spur, slopes NE.
 Descend 145 ft., over NW. slope, to
 56.40 Right edge of wash, brs. NE. and SW. Thence across wash, course NE.
 60.30 Left edge of wash, brs. NE. and SW. Leave wash.
 Ascend 130 ft., over SE. slope.
 74.10 Ridge, brs. NE. and SW.
 Descend 46 ft., over NE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, to bed rock, and raise a mound of stone around post, for cor. of secs. 27, 28, 33 and 34, marked on brass cap.



No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, mesquite and palo verde.
 Undergrowth, catclaw, scrub oak and cactus.

40.00 S. 89° 59' E., on a random line, bet. secs. 27 and 34.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Intersect the cor. of secs. 26, 27, 34 and 35.
 Thence,
 N. 89° 59' W., on a true line, bet. secs. 27 and 34.
 Over mountainous land, thru. very scattering timber and scattering undergrowth.
 Descend 90 ft., over NW. slope.
 4.45 Center of Ripsey Wash, 1.50 chs. wide in bottom of canyon, course N. 15° W.
 Ascend 200 ft., over cliffs, facing E.
 14.65 Spur, slopes N.
 Descend 153 ft. over W. slope.
 22.25 Gulch, 25 lks. wide, course N.
 Ascend 5 ft. over E. slope.
 22.90 Descend 10 ft., over W. slope.
 24.25 Gulch, 25 lks. wide, course NE.
 Ascend 85 ft., over E. slope.
 27.15 Descend 25 ft., over NW. slope.
 30.10 Ascend 66 ft., over NE. slope, to
 39.93 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Descend slightly over N. slope, to
 42.05 Draw, 10 lks. wide, course N. 70° E.
 Ascend 46 ft., over SE. slope.

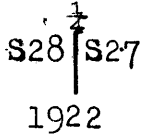
Survey of Subdivision lines of Township 4 South, Range 13 East, 43

Chains.

- 47.00 Spur, slopes NE.
Descend 85 ft., over NW. slope.
- 55.55 Wash, 100 lks. wide, course N. 10° E.
Ascend 150 ft., over E. slope.
- 67.55 Ridge, brs. NE and SW.
Descend 40 ft., over NW. slope.
- 76.15 Head of draw, course N.
Ascend 30 ft., over NE. slope, to
- 79.86 The cor. of secs. 27, 28, 33 and 34.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, palo verde and mesquite.
Undergrowth, scrub oak, catclaw and cactus.

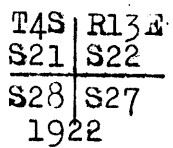
N. 0° 3' W., bet. secs. 27 and 28.
Over mountainous land, thru. very scattering timber and scattering undergrowth.

- 6.30 Descend 70 ft. over E. slope, to Spur, slopes N. 20° E.
Descend 150 ft., over NW. slope.
- 21.60 Right edge of wash, brs. NE. and SW. Thence across wash, course NE.
Descend 20 ft.
- 27.70 Road, brs. NE and SW. to Wooley mine.
- 30.70 Left edge of wash, brs. NE and SW. Leave wash.
Ascend 16 ft., over S. slope.
- 33.70 Descend 15 ft., over E. slope.
- 35.40 Ascend 65 ft., over SE. slope.
- 39.80 Spur, slopes NE.
Descend slightly over N. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,



No bearing trees available. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

- 44.80 Descend 115 ft., over N. slope.
Gulch, 50 lks. wide, course E.
Ascend 110 ft., over SE. slope.
- 52.10 Spur, slopes N. 70° E.
Descend 68 ft., over N. slope.
- 56.90 Gulch, 15 lks. wide, course E.
Ascend 65 ft., over SE. slope.
- 58.90 Point of spur, slopes E.
Descend 50 ft., over NE. slope.
- 61.10 Gulch, 10 lks. wide, course SE.
Ascend 70 ft., over SE. slope.
- 66.30 Spur, slopes NE.
Descend 125 ft., over NW. slope.
- 79.10 Wash, 50 lks. wide, course E. from SW.
Ascend slightly over E. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap,



from which,
 A palo verde, 6 ins. in diam., brs. N. 14° E.,
 205 lks. dist., marked T4S R13E S22 BT.
 A palo verde, 6 ins. in diam., brs. S. 74° E.,
 133 lks. dist., marked T4S R13E S27 BT.

44 Survey of Subdivision lines of Township 4 South, Range 13 East.

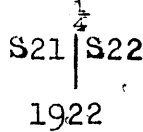
Chains.

	<p>A palo verde, 6 ins. in diam., brs.S.68°W., 120 lks.dist., marked T4S R13E S28 BT. A palo verde, 4 ins. in diam., brs.N.61°W., 21 lks.dist., marked BT.</p> <p>Land, mountainous. Soil, rocky, 4th rate. Timber, palo verde and mesquite. Undergrowth, scrub oak, catclaw and cactus.</p>
40.00	S.89°59'E., on a random line, bet. secs.22 and 27. Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line, 9 lks.N.of the cor. of secs.22,23, 26 and 27.
	Thence, N.89°55'W., on a true line, bet. secs.22 and 27. Over mountainous land, thru. very scattering timber and scattering undergrowth.
6.70	Descend 87 ft., over SW. slope. Gulch, 20 lks.wide, course NW. Ascend 55 ft., over NE.slope.
9.10	Spur, slopes NW. Descend 30 ft., over SW.slope.
12.90	Wash, 30 lks.wide, course NW. Ascend 22 ft., over NE.slope.
18.70	Spur, slopes N. Descend 70 ft., over W.slope.
25.65	Wash, 20 lks.wide, course N. Ascend 12 ft. over E.slope.
26.60	Point of spur, slopes N. Descend 90 ft., over W.slope, to
30.00	Right edge of Ripsey Wash, brs.N. and S. Thence across said wash, course N.
35.00	Left edge of Ripsey wash, brs.N. and S. Leave wash. Ascend 60 ft., over E.slope.
37.20	Top of N. end of sandstone cliff, 50 ft.high, bearing N. and S., facing E. From this point, natural gateway between cliffs brs.North 50 lks.dist
37.60	Descend 50 ft., over NW.slope, to Right edge of bottom of gulch, brs.NE. and SW. Thence across bottom of gulch, course NE.
40.00	Left edge of bottom of gulch, brs.NE. and SW. Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, <div style="text-align: center;"> $\frac{1}{4}$ S 22 $\frac{1}{4}$ S 27 1922 </div>
	from which, A palo verde, 6 ins. in diam., brs.N.74 $\frac{1}{2}$ °E., 95 lks.dist., marked $\frac{1}{4}$ S 22 BT. A palo verde, 8 ins. in diam., brs.S.74°E., 116 lks.dist., marked $\frac{1}{4}$ S 27 BT.
56.60	Leave bottom of gulch. Ascend 218 ft., over E. slope. Spur, slopes N. 25°E.
63.30	Descend 50 ft., over NW. slope. Wash, 20 lks.wide in gulch, course NE. Ascend 95 ft., over SE. slope.
67.40	Spur, slopes NE. Descend 60 ft., over NW. slope.
78.00	Wash, 50 lks.wide, course NE. Ascend gradually over E.slope, to
80.00	The cor. of secs.21, 22, 27 and 28. Land, mountainous. Soil, rocky, 4th rate. Timber, mesquite and palo verde. Undergrowth, scrub oak, catclaw and cactus.

Survey of Subdivision lines of Township 4 South, Range 13 E. 45

Chains.

N.0°3'W., bet. secs. 21 and 22.
 Over rolling, broken and mountainous land, thru. scattering timber and undergrowth.
 Descend 15 ft., over NE. slope, to
 3.00 Wash, 40 lks. wide, course NE.
 Ascend 40 ft., over SE. slope.
 11.19 Spur, slopes E. from SW.
 Descend 97 ft., over N. slope.
 24.80 Wash, 70 lks. wide, course NE.
 Ascend 92 ft., over SE. slope.
 34.33 Spur, slopes NE.
 Descend 85 ft., over NW. slope.
 39.16 Wash, 10 lks. wide, course NE.
 Ascend 5 ft., over SE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

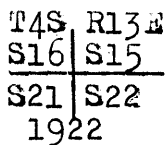


from which,

- A palo verde, 6 ins. in diam., brs. N.3°E., 74 lks. dist., marked $\frac{1}{4}$ S 22 BT.
- A palo verde, 6 ins. in diam., brs. S.11°W., 47 lks. dist., marked $\frac{1}{4}$ S 21 BT.

Ascend 6 ft., over SE. slope.

41.00 Spur, slopes NE.
 Descend 75 ft., over NW. slope.
 50.60 Draw, 10 lks. wide, course NE.
 Ascend 40 ft., over SE. slope.
 58.11 Spur, slopes NE.
 Descend 90 ft., over NW. slope.
 64.20 Wash, 100 lks. wide, course NE.
 Ascend 17 ft., over SE. slope.
 66.50 Descend 25 ft., over NW. slope.
 72.50 Wash, 30 lks. wide, course NE.
 Descend 20 ft., over E. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap,



from which,

- A palo verde, 6 ins. in diam., brs. N.31°E., 105 lks. dist., marked T4S R13E S15 BT.
- A palo verde, 6 ins. in diam., brs. S.78°E., 74 lks. dist., marked T4S R13E S22 BT.
- A palo verde, 6 ins. in diam., brs. S.35°W., 49 lks. dist., marked T4S R13E S21 BT.
- A palo verde, 6 ins. in diam., brs. N.54°W., 79 lks. dist., marked T4S R13E S16 BT.

Land, rolling, broken and mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde and mesquite.
 Undergrowth, scrub oak, catclaw and cactus.

 S.89°55'E., on a random line, bet. secs. 15 and 22.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 14, 15, 22 and 23.

Thence,
 (faded text)
 (faded text)

46 Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

West, on a true line, bet. secs. 15 and 22.
 Over mountainous land, thru. scattering timber and undergrowth.

5.60 Descend 120 ft., over W. slope.
 Gulch, 20 lks. wide, course NW.
 Ascend 65 ft., over NE. slope.

9.35 Descend 30 ft., over NW. slope.

11.60 Ascend gradually over N. slope.

26.60 Descend 140 ft., over NW. and W. slopes to

39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 15
 S 22
 1922

from which,
 A palo verde, 6 ins. in diam., brs. N. 72° E.,
 49 lks. dist., marked $\frac{1}{4}$ S 15 BT.
 A palo verde, 6 ins. in diam., brs. S. 24° E.,
 47 lks. dist., marked $\frac{1}{4}$ S 22 BT.

40.45 Descend 10 ft., over W. slope, to
 Right edge of Ripsey wash, brs. NW. and SE. Thence across said wash, course NW.

42.30 Left edge of Ripsey Wash, brs. NW. and SE. Leave wash.
 Ascend 110 ft., over NE. slope.

47.00 Point of spur, slopes N.
 Descend 100 ft., over NW. slope.

51.65 Wash, 30 lks. wide, course NE.
 Ascend 167 ft., over E. slope.

57.30 Point of spur, slopes NE.
 Descend 66 ft., over NW. slope.

58.70 Gulch, 20 lks. wide, course NE.
 Ascend 265 ft., over E. slope.

73.35 Ridge, brs. N. and S.
 Descend 112 ft., over W. slope.

78.85 Wash, 30 lks. wide, course N.
 Ascend 8 ft., over E. slope, to

79.96 The cor. of secs. 15, 16, 21 and 22.
 Land, mountainous.
 Soil, gravelly, 4th rate.
 Timber, palo verde.
 Undergrowth, catclaw, scrub palo verde and ocotillo.

N. 0° 3' W., bet. secs. 15 and 16.
 Over rolling and mountainous land, thru. very scattering timber and dense undergrowth.

23.50 Descend 70 ft., over E. slope, to
 Spur, slopes NE.

24.50 Descend 65 ft., over NW. slope.
 Highway brs. NE and SW. Extends southwesterly to Florence,
 northerly to Ray and southeasterly to Winkleman.

28.40 Right edge of Zellweger wash, brs. NE and SW. Thence
 across said wash, course NE.

32.40 Left edge of Zellweger wash, brs. NE and SW. Leave wash.
 Ascend 30 ft., over SE. slope.

33.40 Point of spur, slopes E.
 Descend 36 ft., over NE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 15
 S 16
 1922

from which,

Chains.

- A palo verde, 5 ins. in diam., brs.N.10 $\frac{1}{2}$ °E., 67 lks.dist., marked $\frac{1}{4}$ S. 15 BT.
- No other bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.
- 59.80 Descend 150 ft., over NE.slope.
- Wash, 70 lks.wide, course E.
- 64.00 Ascend 215 ft., over SE.slope, to
- 69.40 From this point, mine shaft brs.E. 100 lks.dist.
- Point of spur, slopes E.
- 80.00 Descend 265 ft., over NE.slope, to
- Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, and raise a mound of stone around post, for cor.of secs. 9,10,15 and 16, marked on brass cap,

T4S R13E
 S 9 S10
 S16 S15
 1922

from which,

- A palo verde, 6 ins. in diam., brs.N.35 $\frac{1}{2}$ °E., 28 lks.dist., marked T4S R13E S10 BT.
- A palo verde, 6 ins.in diam., brs.S.6 $\frac{1}{2}$ °E., 79 lks.dist., marked T4S R13E S15 BT.
- No other bearing trees available. Raise a mound of stone 2 $\frac{1}{2}$ ft. base, 2 ft. high, W.of cor.
- Land, rolling and mountainous.
- Soil, rocky, 4th rate.
- Timber, palo verde and mesquite.
- Undergrowth, catclaw, scrub oak, ocotillo and cactus.

-
- 40.00 East, on a random line, bet. secs. 10 and 15.
 - 80.02 Set temp. $\frac{1}{4}$ sec.cor.
 - Intersect N. and S. line, 7 lks.S. of the cor.of secs.10, 11,14 and 15.
 - Thence,
 - S.89°57'W., on a true line. bet. secs.10 and 15.
 - Over mountainous and rolling land, thru. scattering timber and dense undergrowth.
 - Descend 70 ft., over SW. slope.
 - 9.00 Old road, brs. NW. and SE.
 - 11.65 Center of wash, 2 chs.wide, course NW.
 - Ascend 12 ft., over NE.slope.
 - 16.60 Point of spur, slopes NW.
 - Descend 45 ft., over W.slope.
 - 20.90 Center of wash, 2.50 chs.wide, course NW.
 - Ascend 45 ft., over NE.slope.
 - 23.00 Point of spur, slopes NW.
 - Descend 66 ft., over NW. slope, to
 - 30.40 Right edge of wash, brs.NW. and SE. Thence across wash, course NW. at mouth of same.
 - 32.90 Right edge of Ripsey wash, brs.N.and S. Thence across said wash, course N.
 - 38.00 Left edge of Ripsey wash, brs.N. and S. Leave wash.
 - Ascend 20 ft., over NE.slope, to
 - 40.01 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$ S 10
 S 15
 1922

from which,

- A mesquite, 5 ins.in diam., brs.N.35 $\frac{1}{2}$ °E., 43 lks.dist., marked $\frac{1}{4}$ S 10 BT.
- A mesquite, 6 ins.in diam., brs.S.34°W., 16 lks.dist., marked $\frac{1}{4}$ S 15 BT.

Chains.

- Ascend 152 ft., over NE. slope.
 49.20 Old road, brs. N and S.
 62.65 Ridge, brs. NW. and SE. Highway along top of ridge, brs. N. 20° W. and S. 20° E. Extends southwesterly to Florence, northerly to Ray and southeasterly to Winkleman.
 Descend 50 ft., over SW. slope, to
 68.00 Right edge of Zellweger wash, brs. N. 20° E. and S. 20° W. Thence across said wash, course N. 20° E.
 74.20 Left edge of Zellweger wash, brs. N. 20° E. and S. 20° W. Leave wash.
 Ascend 82 ft., over NE. slope, to
 80.02 The cor. of secs. 9, 10, 15 and 16.
 Land, mountainous and rolling.
 Soil, rocky, granite formation, 4th rate.
 Timber, palo verde and mesquite.
 Undergrowth, catclaw, cactus and ocotillo.
-
- N. 0° 3' W., bet. secs. 9 and 10.
 Over mountainous and rolling land, thru. scattering timber and dense undergrowth.
 Descend 212 ft., over NE. slope.
 19.34 From this point, U.S.L.M. No. 1, Ripsey Mining District, brs. N. 31½° W.
 24.23 Left edge of Zellweger wash, brs. NW. and SE. Thence in said wash, course N. from S. 20° E.
 Descend 55 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
- $\frac{1}{4}$
 S 9 | S 100
 1922
- from which,
 A mesquite, 8 ins. in diam., brs. S. 85° E., 50 lks. dist., marked ¼ S 10 BT.
 A mesquite, 6 ins. in diam., brs. S. 27½° W., 65 lks. dist., marked ¼ S 9 BT.
- Continue in Zellweger wash, about 5 chs. wide, course N.
 Descend 18 ft., in wash.
 41.10 Telephone line, brs. E. and W.
 45.00 Right edge of Zellweger wash, brs. N. 10° W. and S. 10° E. Leave said wash.
 Descend 70 ft., over W. and NW. slopes.
 51.00 Telegraph line, brs. N. 81° 20' W.
 51.54 Arizona Eastern R.R. brs. N. 81° 20' W., and S. 81° 20' E. From this point, U.S.L.M. No. 1, Ripsey Mining District, brs. S. 66° W.
 52.50 From this point, Hall's house brs. East about 6.00 chs. dist.
 56.94 Left bank of Gila River, 6 ft. high, brs. E. and W. Thence across river bed.
 63.60 Left edge of water in Gila River, brs. E. and W. Thence across water flowing W.
 64.70 Right edge of water and right bank of river, brs. E. and W. Leave Gila river.
 Ascend 175 ft., over steep S. slope.
 71.09 From this point, J. E. Johnson's house brs. S. 41½° E.
 72.00 Ridge, brs. E. and W. near W. end of same.
 Descend 130 ft., over N. slope.
 78.77 Wash, 50 lks. wide, course W.
 Ascend 20 ft., over S. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap.

Chains.

T4S	R13E
S 4	S 3
S 9	S10

1922

from which,

A palo verde, 8 ins. in diam., brs. N. 14° E., 63 lks. dist., marked T4S R13E S3 BT.

A palo verde, 10 ins. in diam., brs. N. 77° W., 35 lks. dist., marked T4S R13E S4 BT.

No other bearing trees available. Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous and rolling,

Soil, rocky, 4th rate.

Timber, palo verde and mesquite.

Undergrowth, catclaw, ocotillo, scrub oak and cactus.

N. 89° 57' E., on a random line, bet. secs. 3 and 10.

40.00 Set temp. ¼ sec. cor.

80.02 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Thence,

S. 89° 56' W., on a true line, bet. secs. 3 and 10.

Over mountainous and rolling land, thru. scattering timber and dense undergrowth.

10.66 Descend 150 ft., over SW. slope, to

Wash, course SW. Telegraph line, brs. NW. and SE.

14.74 Descend 23 ft., over SW. slope, to

Top of right bank of Gila river, 20 ft. high, brs. NW. and SE.

Same telegraph line brs. NE. and SW. Railroad bridge brs.

South about 3 chs. dist. Thence across bed of river in bend from SE. to SW. Running water about 100 lks. wide, flows W. and SW. about 1 ch. S. of line.

32.00 Leave nearly level river bed.

Ascend 24 ft., over SE. slope, to

35.20 Top of right bank of Gila River, brs. NE. and SW. Leave Gila river.

Ascend 15 ft., over S. slope.

37.50 Descend slightly over SW. slope.

39.00 Wash, 70 lks. wide, course S.

Ascend gradually over SE. slope.

40.01 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

¼ S	3
S	10

1922

from which,

A mesquite, 6 ins. in diam., brs. N. 19° 22' W., 25 lks. dist., marked ¼ S 3 BT.

A mesquite, 10 ins. in diam., brs. S. 34° 35' E., 41 lks. dist., marked ¼ S 10 BT.

Ascend gradually over SE. slope, to

60.00 From this point, Wooley Station on A. E. R. R. brs. South about 35 chs. dist.

Ascend 110 ft., over SE. slope of ridge.

67.14 From this point, J. E. Johnson's house brs. S. 16° W.

67.30 Ridge, brs. NE. and SW.

Descend 57 ft., over NW. slope.

71.68 Wash, 20 lks. wide, course SW.

Ascend 11 ft., over SE. slope.

76.50 Descend 45 ft., over S. slope, to

80.02 The cor. of secs. 3, 4, 9 and 10.

Land, mountainous and rolling.

Soil, rocky, granite formation, 4th rate.

Timber, mesquite and palo verde.

Undergrowth, catclaw, scrub oak, ocotillo and cactus.

50 Survey of Subdivision lines of T.4 S., R. 13 E.

Chains.

- N.0°4'E., on a random line, bet. secs. 3 and 4.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.47 Fall 19 lks. W. of the original cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., established by R. J. Gill, U.S. S. in 1916, which is an iron post, 2 ins. in diam., projecting 24 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap, and witnessed by a mound of stone, W. of cor. No bearing trees.
- Thence,
 S.0°12'W., on a true line, bet. secs. 3 and 4.
 Over mountainous land, thru. very scattering timber and dense undergrowth.
 25.45 Descend 183 ft., over S. slope, to
 Enter wash, course S. from NE.
 39.47 Descend 35 ft. in wash to
 The true point for $\frac{1}{4}$ sec. cor., falls in bend of same wash, course SW. from N. This point being an unsafe place to set monument, establish witness cor. at 50 lks. S.0°12'W. Leave wash.
 39.97 Ascend 9 ft., over NW. slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,
- $\frac{1}{4}$
 W | C
 S 4 | S 3
 1922
- No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 40.45 Ascend 15 ft., over NW. slope.
 From this point, Mrs. C. C. Buell's house brs. West 100 lks. dist.
 44.45 Spur, slopes W.
 51.70 Descend 45 ft., over SW. slope.
 Wash, 50 lks. wide, course W.
 59.20 Ascend 115 ft., over NW. slope.
 Spur, slopes W. From this point, Zellweger ranch house brs. N. 82°W.
 68.45 Descend 80 ft., over SW. slope.
 74.45 Ascend 40 ft., over NW. slope.
 Spur, slopes W.
 79.47 Descend 75 ft., over S. slope, to
 The cor. of secs. 3, 4, 9 and 10:
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde and mesquite.
 Undergrowth, catclaw, scrub oak, ocotilla and cactus.

-
- From the cor. of secs. 32 and 33, on the S. bdy. of the Tp. hereinbefore described,
 N.0°3'W., bet. secs. 32 and 33.
 Over rolling and mountainous land, thru. scattering timber and undergrowth.
 1.67 Descend 34 ft., over N. slope.
 Wash, 20 lks. wide, course NE.
 17.70 Descend 40 ft., over NE. slope, to
 Wash, 5 lks. wide, course NE.
 19.80 Ascend 40 ft., over SE. slope.
 Spur, slopes NE.
 29.30 Descend 33 ft., over N. slope.
 32.10 Ascend 12 ft., over SE. slope.
 40.00 Descend 54 ft., over NE. slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
 S 32 | S 33
 1922

Survey of the S. bdivision lines of T. 4 S., R. 13 E. 51

Chains.

from which,
 A palo verde, 6 ins. in diam., brs. N. 89° E., 190
 lks. dist., marked $\frac{1}{4}$ S 33 BT.
 A mesquite, 5 ins. in diam., brs. N. 20° W., 80 lks.
 dist., marked $\frac{1}{4}$ S 32 BT.
 Descend 5 ft., over NE. slope.
 40.50 Wash, 30 $\frac{1}{2}$ lks. wide, course NE.
 Ascend 95 ft., over SE. slope.
 59.20 Round knoll in ridge, bearing NE. and SW.
 Descend 145 ft., over N. and NW. slopes.
 72.15 Wash, 30 lks. wide, course NE.
 Descend 20 ft., over NE. slope, to
 77.30 Same wash, 30 lks. wide, course NW.
 Descend 10 ft., over NW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground, for cor. of secs. 28, 29, 32 and 33, marked
 on brass cap,

T4S	R13E
S29	S28
S32	S33
1922	

from which,
 A palo verde, 6 ins. in diam., brs. N. 18° E., 148
 lks. dist., marked T4S R13E S28 BT.
 A palo verde, 6 ins. in diam., brs. S. 9 $\frac{1}{2}$ ° E., 180
 lks. dist., marked T4S R13E S33 BT.
 A palo verde, 6 ins. in diam., brs. S. 57 $\frac{1}{2}$ ° W., 158
 lks. dist., marked T4S R13E S32 BT.
 A palo verde, 6 ins. in diam., brs. N. 72° W., 77
 lks. dist., marked T4S R13E S29 BT.
 Land, rolling and mountainous.
 Soil, gravelly, 4th rate.
 Timber, palo verde and mesquite.
 Undergrowth, catclaw, scrub oak and cactus.

 East, on a random line, bet. secs. 28 and 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 27,
 28, 33 and 34.
 Thence,
 S. 89° 58' W., on a true line, bet. secs. 28 and 33.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Ascend 37 ft., over E. slope.
 1.80 Spur, slopes N.
 Descend 77 ft., over W. slope.
 5.40 Gulch, 10 lks. wide, course N., containing water in pools.
 Ascend 230 ft., over NE. slope.
 25.30 Spur, slopes NW.
 Descend 92 ft., over SW. slope.
 29.30 Gulch, 10 lks. wide, course NW.
 Ascend 35 ft., over NE. slope.
 31.20 Point of spur, slopes N.
 Descend 82 ft., over N. and NW. slopes, to
 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 28
S 33
1922

from which,
 A catclaw, 6 ins. in diam., brs. N. 53 $\frac{1}{2}$ ° W., 109
 lks. dist., marked $\frac{1}{4}$ S 28 BT.
 A catclaw, 6 ins. in diam., brs. S. 60° W., 119
 lks. dist., marked $\frac{1}{4}$ S 33 BT.
 Descend slightly over NW. slope, to

52 Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

40.20 Wash, 60 lks. wide, course N. Old road, brs. N. and S.
Ascend 150 ft., over E. slope.

54.45 From this point, large square house at Wooley mine, brs.
S. $25^{\circ}41'E$, 24.21 chs. dist.

54.70 Spur, slopes N.
Descend 25 ft., over W. slope.

57.25 Draw, 10 lks. wide, course NE.
Ascend 87 ft., over SE. slope.

58.50 Old road, brs. NE, and SW.

69.70 Saddle in ridge, brs. NE. and SW.
Descend 12 ft., over NW. slope.

69.85 From this point, mill at Wooley mine, brs. S. $64^{\circ}10'E$, 34.58
chs. dist.

74.90 Wash, 10 lks. wide, course NW. near head.
Descend gradually over NW. slope, to

79.90 The cor. of secs. 28, 29, 32 and 33.
Land, mountainous.
Soil, gravelly, 4th rate.
Timber, mesquite and palo verde.
Undergrowth, catclaw, scrub oak, ocotillo and cactus.

N. $0^{\circ}3'W$., bet. secs. 28 and 29.
Over rolling and mountainous land, thru. very scattering
timber and scattering undergrowth.

Descend 15 ft., over NW. slope, to

1.50 Wash, 35 lks. wide, course NE.
Descend 25 ft., over NE. slope.

9.50 Same wash, 100 lks. wide, course NW.
Ascend 87 ft., over W. and SW. slopes.

30.00 Spur, slopes W.
Descend 75 ft., over NW. slope.

33.76 Head of gulch, course W.
Ascend 65 ft., over SW. slope.

37.20 Spur, slopes NW.
Descend 50 ft., over N. slope, to

40.00 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 $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
S29 | S28
1922

No bearing trees available.
Descend 112 ft., over N. slope.

50.50 Draw, 5 lks. wide, course NW.
Ascend 30 ft., over SW. slope.

60.60 Spur, slopes NW.
Descend 105 ft., over N. slope.

70.00 Ascend 13 ft., over SW. slope.

74.80 Descend 62 ft., over W. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
the ground, for cor. of secs. 20, 21, 28 and 29, marked on
brass cap,

T4S R13E
S20 | S21

S29 | S28
1922

from which,

A palo verde, 8 ins. in diam., brs. S. $57\frac{1}{2}^{\circ}W$., 250
lks. dist., marked T4S R13E S29 BT.

A palo verde, 8 ins. in diam., brs. N. $73\frac{1}{2}^{\circ}W$., 205
lks. dist., marked T4S R13E S20 BT.

No other bearing trees available. Raise a mound of stone
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, rolling and mountainous.
Soil, gravelly, 3rd rate.

Chains.

Timber, palo verde and mesquite.
Undergrowth, catclaw, scrub oak, scrub oak, thorn and cholla.

N. 89° 58' E., on a random line, bet. secs. 21 and 28.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.86 Intersect N. and S. line, 26 lks. S. of the cor. of secs. 21, 22, 27 and 28.

Thence,
S. 89° 47' W., on a true line, bet. secs. 21 and 28.
Over rolling and mountainous land, thru. very scattering timber and scattering undergrowth.

Ascend slightly over NE. slope, to
6.45 Wash, 20 lks. wide, course NE.
Ascend 45 ft., over NE. slope, to
17.35 Wash, 20 lks. wide, course NE.
Ascend 35 ft., over NE. slope, to
28.05 Wash, 15 lks. wide, course NE.
Ascend 70 ft., over SE. slope, to
39.93 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 21
S 28
1922

No bearing trees available.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Ascend 35 ft., over SE. slope, to
43.60 Spur, slopes NE.
Ascend 20 ft., over N. slope, to
48.60 Wash, 40 lks. wide, course NE.
Ascend 175 ft., over E. slope.
51.80 Old road, brs. NE. and SW.
66.40 Spur, slopes N.
Descend 55 ft., over W. slope.
70.80 Wash, 30 lks. wide, course N.
Ascend 35 ft., over E. slope.
74.25 Spur, slopes N.
Descend 28 ft., over W. slope, to
79.86 The cor. of secs. 20, 21, 28 and 29.
Land, rolling and mountainous.
Soil, gravelly, 3rd rate.
Timber, palo verde.
Undergrowth, cholla, ocotillo and cactus.

N. 0° 3' W., bet. secs. 20 and 21.
Over rolling land; thru. very scattering timber and scattering undergrowth.
Descend 75 ft., over W. and NW. slopes.
12.00 Right edge of Zellweger wash, brs. N. 70° E. and S. 70° W. Thence across said wash, course N. 70° E.
16.00 Left edge of Zellweger wash, brs. N. 70° E. and S. 70° W. Leave wash.
Ascend 26 ft., over S. slope.
19.56 Spur, slopes E. Highway brs. NE. and SW. Extends south-westerly to Florence, northerly to Ray and southeasterly to Winkelman.
Descend 50 ft., over N. slope.
27.00 From this point, shaft and dump bear west about 10 chs. dist.
34.40 Wash, 70 lks. wide, course NE.
Ascend 20 ft. over SE. slope, to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

54 Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

$$\frac{1}{4} \begin{array}{c} S20 \\ | \\ S21 \end{array}$$

1922

- No bearing trees available. Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
Ascend 17 ft., over SE. slope.
41.00 Spur, slopes E.
Descend 185 ft., over NE. slope, to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap,

$$\begin{array}{c} T4S \ R13E \\ S17 \ S16 \\ \hline S20 \ S21 \end{array}$$

1922

from which,

- A palo verde, 6 ins. in diam., brs. N. $13\frac{3}{4}^{\circ}$ E., 30 lks. dist., marked T4S R13E S16 BT.
A palo verde, 5 ins. in diam., brs. S. 21° E., 28 lks. dist., marked T4S R13E S21 BT.
No other bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, rolling.
Soil, granite formation, rocky, 4th rate.
Timber, palo verde and mesquite.
Undergrowth, scrub oak, cactus, catclaw and ocotillo.

- 40.00 N. $89^{\circ}47'$ E., on a random line, bet. secs. 16 and 21.
Set temp. $\frac{1}{4}$ sec. cor.
79.88 Intersect N. and S. line, 35 lks. N. of the cor. of secs. 15, 16, 21 and 22.
Thence,
N. $89^{\circ}58'$ W. on true line, bet. secs. 16 and 21.
Over rolling land, thru. very scattering timber and dense undergrowth.
Ascend 100 ft., over E. slope.
19.00 Spur, slopes NE.
Descend 40 ft., over NW. slope, to
24.20 Right edge of Zellweger wash, brs. NE. and SW. Thence across said wash, course NE.
27.90 Left edge of Zellweger wash, brs. NE. and SW. Leave wash.
Ascend 40 ft., over NE. slope.
30.40 Highway, brs. N. and S. Extends southwesterly to Florence, northerly to Ray and southeasterly to Winkleman.
Descend slightly over NW. slope.
32.40 Wash, 50 lks. wide, course N. 20° E.
Ascend 50 ft., over E. slope, to
39.94 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins., in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\frac{1}{4} \begin{array}{c} S \ 16 \\ \hline S \ 21 \end{array}$$

1922

- No bearing trees available. Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.
Ascend 165 ft., over E. and NE. slopes.
54.90 Descend 5 ft., over NW. slope.
56.90 Draw, course N.
Ascend 120 ft., over NE. slope, to
79.88 The cor. of secs. 16, 17, 20 and 21.
Land, rolling.
Soil, gravelly, 4th rate:
Timber, palo verde and mesquite.
Undergrowth, catclaw, ocotillo, cactus and scrub oak.

Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

N. 0° 3' W., bet. secs. 16 and 17.
 Over rolling and mountainous land, thru. very scattering
 timber and dense undergrowth.
 Descend 37 ft., over NE. slope.
 7.50 Wash, 30 lks. wide, course NE.
 Ascend 146 ft., over SE. slope.
 23.76 Ridge, brs. NE. and SW.
 Descend 95 ft., over NW. slope.
 30.10 Head of gulch, course W.
 Ascend 37 ft., over SW. slope.
 33.65 Descend 70 ft., over NW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$
 S17 | S16
 1922

No bearing trees available. Raise a mound of stone, 2
 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Descend 210 ft., over NW. slope.
 61.76 Gulch, course W.
 Ascend 42 ft., over S. slope.
 63.00 Spur, slopes W.
 Descend 190 ft., over NW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground, for cor. of secs. 8, 9, 16 and 17, marked on
 brass cap,
 $\frac{1}{4}$
 T4S R13E
 S 8 | S 9
 S17 | S16
 1922

No bearing trees available. Raise a mound of stone, 2 ft.
 base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling and mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, palo verde and mesquite.
 Undergrowth, catclaw, cactus and ocotillo.

S. 89° 58' E., on a random line, bet. secs. 9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 9, 10,
 15 and 16.
 Thence,
 N. 89° 57' W., on a true line, bet. secs. 9 and 16.
 Over mountainous land, thru. very scattering timber and
 dense undergrowth.
 Ascend 152 ft., over NE. slope.
 15.00 From this point, prospect hole, 15 ft. deep, brs. South 0.20
 chs. dist.
 15.25 Spur, slopes N.
 Descend 110 ft., over W. slope.
 20.00 Wash, 30 lks. wide, in gulch, course N. from SW.
 Ascend 265 ft., over E. and NE. slopes, to
 40.00 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 $\frac{1}{4}$ sec. cor., marked on brass
 cap,
 $\frac{1}{4}$
 S 9
 S 16
 1922

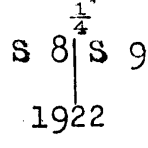
No bearing trees available.
 Descend 37 ft., over NW. slope.
 43.46 Head of gulch, course NE.

56 Survey of Subdivision lines of T. 4 S., R. 13 E.

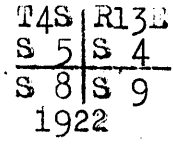
Chains.

54.50 Ascend 290 ft., over E. slope.
Ridge, brs.N. and S.
From this point, Cor.No.2 of Zellweger lode mining claim,
Mineral Survey No.3314, Riverside Mining district, brs.
N.17°35'E., 4.57 chs.dist.
67.72 Descend 365 ft., over W. and NW. slopes to sec.cor.
80.00 From this point, shaft brs.North about 5.00 chs.dist.
The cor.of secs.8,9,16 and 17.
Land, mountainous.
Soil, rocky, granite formation, 4th rate.
Timber, mesquite, and palo verde.
Undergrowth, catclaw, cactus,ocotillo and scrub oak.

N.0°3'W., bet. secs.8 and 9.
Over mountainous land, thru.very scattering timber and
dense undergrowth.
4.00 Descend 100 ft., over NW. slope.
8.70 From this point, mine shaft brs. west, about 7 chs. dist.
Center of wash, 3 chs. wide, course NE.
11.50 Ascend 17 ft.,over SE. slope.
Spur, slopes N. from SW. Thence along top of spur.
40.00 Descend 180 ft., to
Set an iron post, 3 ft.long, 1 in. in diam., 26 ins.in
the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,



from which,
A catclaw, 6 ins. in diam., brs.S.82 $\frac{1}{2}$ °E.,
70 lks.dist., marked $\frac{1}{4}$ S 9 BT.
No other bearing trees available. Raise a mound of stone
2 ft. base, 1 $\frac{1}{2}$ ft. high,W.of cor.Desc.10ft.over N.slope, to
41.00 Enter junction of two washes,one from SW. and one from SE.
Descend 15 ft.to
45.30 Leave junction of washes,forming one wash at this point
course NE.
54.00 Ascend gradually over SE. slope.
Point of spur, slopes E.
60.00 Descend 60.ft., over NE.slope, to
Enter same wash, course N.from-S.29°E.
75.00 Descend 88 ft. in wash to
Leave wash, course NW. from S.
77.25 Ascend 14 ft., over SW.slope.
80.00 Descend 28 ft.,over W.slope, to
Set an iron post, 3 ft.long, 2 ins. in diam., 12 ins. in
the ground, to bed rock,and raise a mound of stone
around post, for cor.of secs.4,5,8 and 9, marked on
brass cap,



from which,
A palo verde,10 ins. in diam., brs.N.14 $\frac{3}{4}$ °E.,
74 lks.dist., marked T4S R13E S4 BT.
A palo verde,12 ins. in diam., brs.S.32°W.,
198 lks.dist.,marked T4S R13E S8 BT.
A palo verde, 10 ins. in diam., brs.N.76°W.,
121 lks.dist., marked T4S R13E S5 BT.
No other bearing trees available. Raise a mound of stone,
3 ft. base, 2 ft.high, W.of cor.
Land, mountainous.
Soil,rocky, granite formation, 4th rate.

Survey of Subdivision lines of T.4 S., R. 13 E.

Chains.

Timber, palo verde, and mesquite.
Undergrowth, catclaw, ocotillo, scrub oak, and cactus.

- 40.00 S. 89° 57' E., on a random line, bet. secs. 4 and 9.
- 80.02 Set temp. $\frac{1}{4}$ sec. cor.
- Intersect N. and S. line, 7 lks. S. of the cor. of secs. 3, 4, 9 and 10.
- Thence,
West, on a true line, bet. secs. 4 and 9.
- Over rolling and mountainous land, thru. scattering timber and dense undergrowth.
- Ascend 42 ft. over SE. slope.
- 3.90 Descend 95 ft., over SW. slope, to
- 16.00 Right bank of Gila River, 20 ft. high, brs. N. 5° W. and S. 5° E. Thence across stream of shallow water, flowing N. 5° W.
- 22.20 Left bank of Gila river, 25 ft. high, brs. N. 5° W. and S. 5° E. Leave river.
- Ascend 130 ft., over E. slope.
- 23.40 Arizona Eastern R.R. brs. N. 5 $\frac{1}{2}$ ° W., and S. 5 $\frac{1}{2}$ ° E.
- 24.00 Telegraph line, parallel to R.R.
- 32.15 From this point, Zellweger ranch house, brs. N. 3° W.
- Descend 36 ft., over NW. slope.
- 34.15 Telephone line, brs. N. and S. Extends from Zellweger ranch to Kelvin.
- 37.20 Road brs. NW. to Zellweger ranch and SE. to Wooley Station.
- 40.01 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 4
 S 9
 1922

from which,

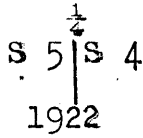
- A palo verde, 4 ins. in diam., brs. N. 5° W., 18 lks. dist., marked BT.
- A palo verde, 8 ins. in diam., brs. S. 13° W., 64 lks. dist., marked $\frac{1}{4}$ S 9 BT.

- Ascend 55 ft. over NE. slope.
- 53.75 Descend 113 ft., over NW. slope.
- 65.00 Wash, 50 lks. wide, course N.
- Ascend 65 ft., over E. slope.
- 68.15 Descend 16 ft., over NW. slope.
- 69.60 Ascend 35 ft., over E. slope.
- 74.60 Spur, slopes N.
- Descend 50 ft., over W. slope, to
- 80.02 The cor. of secs. 4, 5, 8 and 9.
- Land, rolling and mountainous.
- Soil, rocky, 4th rate, granite formation.
- Timber, palo verde and mesquite.
- Undergrowth, catclaw, cactus and scrub oak.

- 40.00 N. 0° 11' E., on a random line, bet. secs. 4 and 5.
- 79.51 Set temp. $\frac{1}{4}$ sec. cor.
- Fall 16 lks. W. of the original cor. of secs. 4, 5, 32 and 33 on the N. bdy. of the Tp., established by R. J. Gill, U.S. S. in 1916, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of cor.
- No bearing trees.
- Thence,
S. 0° 18' W., on a true line, bet. secs. 4 and 5.
- Over mountainous land, thru. scattering timber and dense undergrowth.
- 4.50 Descend 94 ft., over steep E. slope, to Head of gulch, course SE.

Chains.

- 30.50 Descend 420 ft., over E. and SE. slopes.
- 36.30 Wire fence, brs.E. and W.
- 36.30 Foot of descent. Leave mountainous, and enter nearly level bottom land, bordering Gila river, brs.N.40°W. and S.40°E.
- 39.51 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

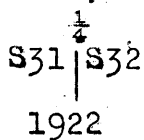


from which,

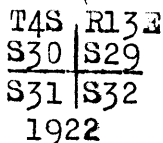
- A mesquite, 5 ins. in diam., brs.N.5°E., 32 lks.dist., marked $\frac{1}{4}$ S 4 BT.
- A mesquite, 6 ins. in diam., brs.N.56°W., 39 lks.dist., marked $\frac{1}{4}$ S 5 BT.
- 55.15 Wire fence, brs.NW. and SE.
- 55.50 From this point, windmill, brs.SE. about 4 chs. dist.
- 56.10 Right bank of Gila River, 16 ft. high, brs.N.40°W. and S.40°E. Thence across stream of shallow water in Gila river, flowing N. 40°W.
- 62.70 Left bank of Gila river, 20 ft. high, brs.N. 42°W. and S.42°E. Leave Gila river; enter mountainous land.
- 65.05 Ascend 95 ft., over NW. and W. slopes to sec.cor. Arizona Eastern railroad, brs.N.42°W. and S.42°E.
- 66.10 Telegraph line parallel to R.R.
- 79.51 The cor.of secs.4,5,8 and 9. Land, mountainous and nearly level. Soil, rocky, 4th rate. Timber, palo verde and mesquite. Undergrowth, catclaw, scrub oak, ocotillo and cactus.

From the cor.of secs.31 and 32, on the S, bdy.of the Tp., hereinbefore described,

- N.0°4'W., bet. secs. 31 and 32.
- Over gently rolling land, thru. scattering undergrowth.
- 37.80 Ascend gradually over SW. and W. slopes, to Wash, 20 lks.wide, course W.
- 40.00 Ascend slightly over S.slope, to Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,



- No bearing trees available. Raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$ ft high, W.of cor.
- Ascend 40 ft., over S.slope.
- 55.00 Small round hill.
- 62.10 Descend 20 ft. over N.slope, to Ascend gradually over SW.slope to sec.cor.
- 65.50 Old road, brs.E. and W.
- 80.00 Head of wash, course SW. Set an iron post, 3 ft.long, 2 ins. in diam., 26 ins.in the ground, for cor.of secs. 29,30, 31 and 32, marked on brass cap,



30017 3603

Survey of Subdivision lines of T. 4 S., R. 13 E.

59

Chains.

No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, gently rolling.
Soil, gravelly, granite formation, 3rd rate.
Timber, none.
Undergrowth, yucca, catclaw, cholla, buck thorn and cactus.

40.00 S. $89^{\circ}59'$ E., on a random line, bet. secs. 29 and 32.
79.88 Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 2 lks. S. of the cor. of secs. 28, 29, 32 and 33.
Thence,
West, on a true line, bet. secs. 29 and 32.
Over rolling land, thru. dense undergrowth.
Descend slightly over NW. slope, to
1.50 Wash, 30 lks. wide, course NE.
Ascend gradually over NE. slope, to
14.95 Wash, 20 lks. wide, course NE.
Ascend 110 ft., over SE. slope.
22.85 Top of ascent on S. side of hill.
Descend 70 ft., over SW. slope, to
39.94 Head of draw, course SE. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 29
S 32
1922

No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.50 Ascend 15 ft., over E. slope.
Spur, slopes NE.
49.45 Descend 46 ft., over NW. slope.
Wash, 20 lks. wide, course NE.
58.60 Ascend 65 ft., over E. slope.
Long spur, slopes NE. Highway, brs. NE. and SW. Extends southwesterly to Florence, northerly to Ray and southeasterly to Winkleman.
63.00 Descend gradually over NW. slope.
72.20 Ascend gradually over NE. slope.
Flat topped ridge, brs. NW. and SE. Old road, brs. N. and S.
79.88 Descend 20 ft., over SW. slope, to
The cor. of secs. 29, 30, 31 and 32 at head of wash, course SW.
Land, rolling.
Soil, gravelly and rocky, 3rd rate.
Timber, none.
Undergrowth, yucca, cholla, catclaw, cactus and buck brush.

40.00 N. $89^{\circ}56'$ W., on a random line, bet. secs. 30 and 31.
78.70 Set temp. $\frac{1}{4}$ sec. cor.
Fall 9 lks. N. of the cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp., hereinbefore described.
Thence,
East, on a true line, bet. secs. 30 and 31.
Over gently rolling land, thru. scattering undergrowth.
Ascend slightly over SW. slope.
0.67 Wash, 25 lks. wide, course SW.
Ascend 71 ft., over NW. slope, to
9.20 Spur, slopes SW.
Ascend 20 ft., over S. slope.
16.30 From this point, main shaft bears S. 100 lks. dist.
16.90 From this point, shop brs. S. 10 lks. dist.

60. Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

- 19.90 Wash, 30 lks. wide, course SW.
Ascend gradually over SW. slope to $\frac{1}{4}$ sec. cor.
22.70 Old road, brs. NE. and SW.
27.00 Old road, brs. NW. and SE.
38.70 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 30
S 31
1922

- No bearing trees available.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
From this cor., U.S.L.M. No. 2395, Pioneer Mining District, brs. N. $50^{\circ}38'W.$, 16.05 chs. dist.
Continue over gently rolling land, thru. dense undergrowth.
Ascend gradually over SW. slope to sec. cor.
46.37 From this point, cor. No. 1, Sunlight lode Mining Claim, Mineral Survey No. 2395, Pioneer Mining District, brs. S. 66 lks. dist.
78.70 The cor. of secs. 29, 30, 31 and 32 at head of wash, SW. Land, gently rolling.
Soil, gravelly decomposed granite formation, 3rd rate.
Timber, none.
Undergrowth, yucca, catclaw, cholla and buck thorn.

- N. $0^{\circ}4'W.$, bet. secs. 29 and 30.
Over rolling land, thru. scattering undergrowth.
Ascend 30 ft., over SW. slope, to
13.50 Old road, brs. NW. and SE. on flat top of ridge, brs. NW. and SE.
40.00 Descend 110 ft., over NE. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
S30 | S29
1922

- No bearing trees available.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Descend 10 ft., over NE. slope.
42.20 Old road, brs. NE. and SW.
45.00 Wash, 70 lks. wide, course SE.
Ascend 77 ft., over SW. slope, to
58.95 Spur, slopes SE.
Ascend 80 ft., over E. and SE. slopes, to
74.28 Ridge, brs. NE. and SW.
Descend 18 ft., over W. slope, to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap,

T4S R13E
S19 | S20
S30 | S29
1922

- No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, rolling.
Soil, rocky and gravelly, 3rd rate.
Timber, none.
Undergrowth, yucca, cholla, catclaw, cactus and buck brush.

Survey of Subdivision lines of T. 4 S., R. 13 E. 61

Chains.	
	East, on a random line, bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.76	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 20, 21, 28 and 29.
	Thence,
	S. $89^{\circ}57'W.$, on a true line, bet. secs. 20 and 29.
	Over rolling and mountainous land, thru. very scattering timber and scattering undergrowth.
	Descend 16 ft., over W. slope.
4.00	Center of wash, 100 lks. wide, course N.
	Ascend 25 ft., over NE. slope.
6.30	Descend 25 ft., over NW. slope.
10.37	Center of Zellweger wash, 1.50 chs. wide, course NE.
	Ascend 290 ft., over E. slope.
13.70	Highway brs. NE. and SW. Extends southwesterly to Florence, northerly to Ray and southeasterly to Winkleman.
39.46	Spur, slopes SE.
	Descend slightly over SW. slope, to
39.88	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 20 S 29 1922
	No bearing trees available. Raise mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
40.36	Descend 10 ft., over SW. slope.
	Gulch, 5 lks. wide, course SE.
	Ascend 207 ft., over NE. slope.
51.57	Ridge, brs. NW. and SE.
	Descend 126 ft., over SW. slope.
61.77	Gulch, 10 lks. wide, course SW.
	Ascend 65 ft., over SE. slope.
65.91	Ridge, brs. NE. and SW.
	Descend 37 ft., over NW. slope.
67.85	Ascend 48 ft., over NE. slope, to
79.76	The cor. of secs. 19, 20, 29 and 30.
	Land, rolling and mountainous.
	Soil, gravelly, 3rd rate.
	Timber, palo verde.
	Undergrowth, catclaw, buck brush, cholla, yucca, ocotillo, and cactus.

	West, on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.74	Intersect the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., hereinbefore described.
	Thence,
	East, on a true line, bet. secs. 19 and 30.
	Over gently rolling land, thru. scattering undergrowth.
	Ascend gradually over SW. slope, to
6.60	Enter wash, 10 lks. wide, course SW. from E.
	Ascend gradually in this wash.
9.00	Old road, brs. N. and S.
17.70	Leave wash, course W. from SE.
25.90	Same wash, 10 lks. wide, course SW. Leave gently rolling and enter hilly land.
	Ascend 45 ft., over W. slope, to
38.74	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 19 S 30 1922
	No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

62 Survey of Subdivision lines of T. 4 S., R. 13 E.

Chains.

Continue over hilly land, and dense undergrowth.
 Ascend 30 ft., over W. slope.
 41.85 Top of hill.
 Descend 15 ft., over E. slope.
 48.12 Ascend 25 ft., over W. slope.
 53.10 Top of hill; descend 20 ft. over E. slope.
 65.20 Wash, 30 lks. wide, course SW. Thence over gently rolling
 land.
 Ascend gradually over NW. slope, to
 72.60 Draw, course NW.
 Ascend 35 ft., over W. slope, to
 78.74 The cor. of secs. 19, 20, 29 and 30.
 Land, gently rolling and hilly.
 Soil, gravelly and rocky, 3rd rate.
 Timber, none.
 Undergrowth, yucca, cholla, catclaw and cactus.

 N. 0° 4' W., bet. secs. 19 and 20.
 Over rolling land, thru. scattering undergrowth.
 Ascend 10 ft., over W. slope.
 4.00 Descend 15 ft., over NW. slope.
 12.30 Wash, 20 lks. wide, course SW. Leave rolling and enter
 mountainous land.
 Ascend 170 ft., over SW. slope.
 39.50 Ridge, brs. NW and SE.
 Descend slightly over NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
 S19 | S20
 1922

No bearing trees available. Raise a mound of stone, 2
 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Descend 57 ft., over NE. slope.
 44.92 Head of gulch, course SE.
 Ascend 45 ft., over SW. slope.
 47.54 Spur, slopes SE.
 Descend 10 ft., over NE. slope.
 48.50 Head of gulch, course E.
 Ascend 90 ft., over SE. slope.
 54.42 Spur, slopes NE.
 Descend 252 ft., over NW. slope.
 67.23 Gulch, 20 lks. wide, course NE.
 Ascend 105 ft., over SE. slope.
 74.67 Spur, slopes E.
 Descend 107 ft., over NE. slope.
 79.40 Head of draw, course NE.
 Ascend slightly over E. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.
 in the ground, for cor. of secs. 17, 18, 19 and 20, marked
 on brass cap,

T4S | R13E
 S18 | S17
 S19 | S20
 1922

No bearing trees available. Raise a mound of stone 3 ft.
 base, 2 ft. high, W. of cor.
 Land, rolling and mountainous.
 Soil, gravelly and rocky, 3rd rate.
 Timber, none.
 Undergrowth, yucca, cholla, catclaw and cactus.

Chains.

N. 89° 57' E., on a random line, bet. secs. 17 and 20.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 16, 17, 20 and 21.
 Thence,
 S. 89° 53' W., on a true line, bet. secs. 17 and 20.
 Over mountainous land, thru. very scattering timber and scattering undergrowth.
 Ascend 75 ft., over NE. slope.
 9.89 Top of ascend on N. side of knoll.
 Descend 12 ft., over NW. slope.
 15.00 Head of wash, course NE.
 Ascend 70 ft., over E. slope.
 24.83 Spur, slopes NE.
 Descend 90 ft., over NW. slope.
 28.55 Bottom of gulch, 100 lks. wide, course NE.
 Ascend 180 ft. over SE. slope to $\frac{1}{4}$ sec. cor.
 29.37 Graded trail, brs. NW. and SE.
 39.93 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 17
 S 20
 1922

No bearing trees available.. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor..
 Ascend 340 ft., over SE. slope.
 70.60 Spur, slopes NE.
 Descend 46 ft., over NW. slope.
 78.55 Draw, 5 lks. wide, course NE.
 Ascend 35 ft., over E. slope, to
 79.86 The cor. of secs. 17, 18, 19 and 20.
 Land, mountainous.
 Soil, gravelly, 3rd rate.
 Timber, palo verde.
 Undergrowth, yucca, catclaw and cactus.

 West, on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.60 Intersect the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., hereinbefore described.
 Thence,
 East, on a true line, bet. secs. 18 and 19.
 Over mountainous land, thru. scattering undergrowth.
 Descend 40 ft., over NE. slope.
 2.70 Draw, 20 lks. wide, course N.
 Ascend 55 ft., over W. slope.
 8.45 Spur, slopes N.
 Descend 15 ft., over E. slope.
 11.30 Draw, 5 lks. wide, course N.
 Ascend 35 ft. over W. slope.
 20.10 Spur, slopes N.
 Descend 17 ft., over E. slope.
 21.90 Draw, 5 lks. wide, course N.
 Ascend 57 ft., over W. slope.
 26.80 Spur, slopes N.
 Descend 46 ft., over E. slope.
 32.45 Old road, brs. N. and S. in wash, 100 lks. wide, course N.
 Ascend 12 ft., over NW. slope, to
 38.60 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 18
 S 19
 1922

No bearing trees available.

64 Survey of Subdivision lines of Township 4 S., R. 13 E.

Chains.	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Ascend 15 ft., over N. slope, to Wash, 100 lks. wide, course NW. Ascend 310 ft., over W. slope. Ridge, brs. N. and S. Descend 165 ft., over E. slope, to The cor. of secs. 17, 18, 19 and 20. Land, mountainous. Soil, gravelly, 3rd rate. Timber, none. Undergrowth, buck brush, and cactus.

	N. 9° 4' W., bet. secs. 17 and 18. Over mountainous land, thru scattering undergrowth. Descend 40 ft., over E. slope. Head of draw, course E. Ascend 10 ft., over SE. slope. Spur, slopes NE. Descend 96 ft., over NW. slope. Head of draw, course NW. Ascend 40 ft., over SW. slope. Same spur, slopes NW. From this point, T. Rutledge's house brs. N. 62½° W. North end of barn brs. N. 52½° W. Descend 187 ft. over N. slope. Graded trail, brs. NW and SE. Wash, 100 lks. wide, course NW. Descend 54 ft., over W. slope to ¼ sec. cor. From this point, Prospect hole, brs. W. 50 lks. dist. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground; for ¼ sec. cor., marked on brass cap,
48.40	
69.95	
78.60	
8.10	
10.85	
15.65	
22.03	
26.17	
30.84	
37.40	
40.00	
	$\begin{array}{c} \uparrow \\ S18 S17 \\ \downarrow \\ 1922 \end{array}$
	No bearing trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Descend 90 ft., over W. and NW. slopes. Wash, 100 lks. wide, course NE. Enter scattering timber. Ascend 100 ft., over S. and SW. slopes. From this point, T. Rutledge's house brs. S. 12¼° W., and barn brs. S. 14° W. Spur, slopes SE. Descend 40 ft., over NE. slope. Head of wash, course SE. Ascend 21 ft., over S. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,
52.60	
64.18	
70.40	
75.35	
80.00	
	$\begin{array}{c} T4S R13E \\ S 7 S 8 \\ \hline S18 S17 \\ 1922 \end{array}$
	from which, A palo verde, 6 ins. in diam., brs. N. 65° E., 110 lks. dist., marked T4S R13E S8 BT. A palo verde, 7 ins. in diam., brs. S. 87° E., 183 lks. dist., marked T4S R13E S17 BT. A palo verde, 8 ins. in diam., brs. S. 11° W., 254 lks. dist., marked T4S R13E S18 BT. A palo verde, 8 ins. in diam., brs. N. 80° W., 107 lks. dist., marked T4S R13E S7 BT. Land, mountainous. Soil, rocky and gravelly, 3rd rate.

Survey of the Subdivision lines of T. 4 S. R. 13 E. 65

Chains.

Timber, palo verde and mesquite.
Undergrowth, catclaw, scrub oak and cactus.

N. 89° 53' E., on a random line, bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.70 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 4, 5, 8 and 9.
 Thence,
 S. 89° 55' W., on a true line, bet. secs. 8 and 17.
 Over mountainous land, thru. scattering timber and undergrowth.
 4.90 Descend 45 ft., over NW. slope.
 Center of wash, 2 chs. wide, course N.
 Ascend 110 ft., over E. slope.
 15.40 Spur, slopes NE.
 Descend 25 ft., over NW. slope.
 20.40 Ascend 120 ft., over NE. slope.
 26.80 Graded trail, brs. NE. and SW.
 35.25 Descend 16 ft., over NW. slope.
 39.00 Enter bend in wash, 100 lks. wide, course N. from NW.
 39.85 The true point for $\frac{1}{4}$ sec. cor. falls in bend of wash, where it would be unsafe to set monument; therefore, at
 40.15 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 8 WC
 S 17
 1922

from which,
 A palo verde, 10 ins. in diam., brs. N. 40° E., 128 lks. dist., marked WC $\frac{1}{4}$ S 8 BT.
 A palo verde, 10 ins. in diam., brs. S. 46 $\frac{1}{2}$ ° W., 18 lks. dist., marked WC $\frac{1}{4}$ S 17 BT.

Ascend 36 ft., over N. slope, to
 44.70 Same wash, 100 lks. wide, course NE.
 Ascend 343 ft., over E. and NE. slopes, to
 73.00 Spur, slopes SE.
 Ascend gradually over S. slope, to
 79.70 The cor. of secs. 7, 8, 17 and 18.
 Land, mountainous.
 Soil, rocky, 4th rate, granite formation.
 Timber, palo verde and mesquite.
 Undergrowth, catclaw, cactus and scrub oak.

West, on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.68 Intersect the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the tp., hereinbefore described.
 Thence,
 East, on a true line, bet. secs. 7 and 18.
 Over mountainous land, thru. very scattering timber and scattering undergrowth.
 9.80 Ascend 285 ft. over SW. slope.
 Spur, slopes NW.
 17.35 Descend 52 ft., over NE. slope.
 22.30 Ascend 35 ft., over W. slope.
 Spur, slopes NW.
 28.50 Descend 80 ft., over NE. slope.
 Draw, 20 lks. wide, course NE. near head.
 38.68 Ascend 140 ft., over NW. slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

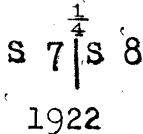
$\frac{1}{4}$ S 7
 S 18
 1922

66 Survey of subdivision lines of T. 4 S., R. 13 E.

Chains.

No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Ascend slightly over NW. slope, to
 39.35 Head of draw, course NW.
 Ascend 116 ft., over W. slope, to
 49.20 Spur, slopes NW.
 Ascend 25 ft., over N. slope.
 54.80 Descend 10 ft., over NE. slope.
 56.10 Ascend 40 ft., over NW. slope.
 61.00 Ridge, brs. NE. and SW.
 Descend 335 ft., over SE. slope, to
 78.68 The cor. of secs. 7, 8, 17 and 18.
 Land, mountainous.
 Soil, gravelly, 3rd rate.
 Timber, palo verde.
 Undergrowth, cactus, yucca, catclaw and buck brush.

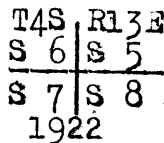
N. 0° 4' W., bet. secs. 7 and 8.
 Over mountainous land, thru. very scattering timber and
 scattering undergrowth.
 Ascend 115 ft., over S. slope, to
 6.20 Spur, slopes SE.
 Ascend 25 ft., over E. slope, to
 8.30 Descend 200 ft., over NE. slope.
 24.80 Head of wash, course SE.
 Ascend 20 ft., over SE. slope.
 31.80 Saddle in ridge, brs. NE. and SW.
 Descend 87 ft., over NW. slope.
 35.60 Draw, 20 lks. wide, course SW.
 Ascend 175 ft., over SE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in
 the ground, for ¼ sec. cor., marked on brass cap,



from which,

A palo verde, 6 ins. in diam., brs. N. 19° W., 41
 lks. dist., marked ¼ S 7 BT.

No other bearing trees available. Raise a mound of stone
 2 ft. base, 1½ ft. high, W. of cor.
 Ascend, 20 ft., over SE. slope.
 40.80 Spur, slopes SW.
 Descend 175 ft., over NW. slope.
 61.25 Ascend 117 ft., over SW. slope.
 67.30 Ridge, brs. NW. and SE.
 Descend 320 ft., over NE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
 the ground, to bed rock, deposit a horseshoe at base
 of post, and raise a mound of stone around post, for
 cor. of secs. 5, 6, 7 and 8, marked on brass cap,



No bearing trees available.
 Land, mountainous.
 Soil, gravelly and rocky, granite formation, 4th rate.
 Timber, palo verde.
 Undergrowth, ocotillo, yucca, catclaw and giant cactus.

7400 8800

Survey of the Subdivision lines of T. 4 S. R. 13 E. 67

Chains.

N. 89°55' E., on a random line, bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.60 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 4, 5, 8 and 9.
 Thence,
 N. 89°57' W., on a true line, bet. secs. 5 and 8.
 Over mountainous land, thru. very scattering timber and scattering undergrowth.
 Descend 23 ft., over W. slope.
 1.97 Center of wash, 1.60 chs. wide, course N.
 Ascend 155 ft., over E. slope.
 13.03 Spur, slopes N.
 Descend 48 ft., over NW. slope.
 20.35 Gulch, 20 lks. wide, course NE.
 Ascend 125 ft., over SE. slope, to
 28.79 Spur, slopes NE.
 Ascend 110 ft., over NE. slope, to
 39.80 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 5
 S 8
 1922

No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Ascend 210 ft., over NE. slope.
 45.85 Descend 40 ft., over NW. slope.
 59.80 Ascend 330 ft., over E. slope.
 62.91 Spur, slopes NE.
 Descend 57 ft., over NW. slope.
 67.83 Head of gulch, course NE.
 Ascend 100 ft., over SE. slope.
 73.33 Spur, slopes NE.
 Descend 82 ft., over N. slope, to
 79.60 The cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, gravelly and rocky, granite formation, 4th rate.
 Timber, palo verde.
 Undergrowth, cactus, yucca and catclaw.

West, on a random line, bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.70 Fall 12 lks. S. of the cor. of secs. 1, 6, 7 and 12, on the W. bdy. of Tp., hereinbefore described.
 Thence,
 S. 89°55' E., on a true line, bet. secs. 6 and 7.
 Over rolling land, thru. scattering timber and undergrowth.
 Ascend gradually over NW. slope.
 8.00 Descend gradually of NE. slope.
 14.70 Wash, 100 lks. wide, course N.
 Ascend 46 ft., over W. slope.
 25.20 Spur, slopes NW.
 Descend 15 ft., over NE. slope.
 28.70 Center of wash, 1.50 chs. wide, course NW.
 Ascend 52 ft., over NW. slope, to
 38.70 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 6
 S 7
 1922

from which,
 A palo verde, 8 ins. in diam., brs. N. 5° W., 148 lks. dist., marked $\frac{1}{4}$ S 6 BT.

68 Survey of the Subdivision lines of T. 4 S., R. 13 E.

Chains.	
	A palo verde, 6 ins. in diam., brs. S. $33\frac{1}{2}^{\circ}$ E., 18 lks. dist., marked $\frac{1}{4}$ S 7 BT.
40.00	Ascend slightly over N. slope, to Wash, 20 lks. wide, course NW.
43.70	Ascend 55 ft., over SW. slope, to Foot of ridge, brs. NW. and SE. Leave rolling, and enter mountainous land.
60.20	Ascend 512 ft., over SW. slope. Ridge, brs. NW. and SE.
72.20	Descend 60 ft., over NE. slope.
78.70	Ascend 35 ft., over N. slope, to The cor. of secs. 5, 6, 7 and 8. Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, palo verde. Undergrowth, cactus, yucca and catclaw.

40.00	N. $0^{\circ}17'E.$, on a random line, bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.
79.30	Fall 40 lks. E. of the original cor. of secs. 5, 6, 31 and 32, on the N. bdy. of the Tp., established by R. J. Gill, U.S.S. in 1916, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of cor. No bearing trees.
	Thence, South, on a true line, bet. secs. 5 and 6. Over mountainous land, thru. very scattering timber and scattering undergrowth.
25.25	Descend 705 ft., over S. slope, to Right bank of Gila River, 30 ft. high, brs. E. and W. Thence across river bed.
29.00	Right edge of water, brs. E. and W. Thence across stream of water, flowing W.
30.40	Left edge of water, brs. E. and W. Leave water.
31.00	Ascend 30 ft., over N. slope, to Left bank of Gila river, brs. E. and W. Leave Gila river.
31.50	Ascend 370 ft. over N. slope to $\frac{1}{4}$ sec. cor. Arizona Eastern Railroad, brs. E. and W. From this point, culvert No. 109-C brs. E. 1.78 chs. dist.
32.20	Telegraph line, brs. E. and W.
39.30	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$S \ 6 \ \overset{1}{\uparrow} \ S \ 5$ 1922
	No bearing trees available. And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
45.00	Ascend 240 ft., over N. slope. Spur, slopes NW.
47.00	Descend 16 ft., over SW. slope.
54.70	Ascend 25 ft., over W. slope, to Draw, 20 lks. wide, course NW.
61.90	Ascend 100 ft., over NE. slope. Point of spur, slopes NE.
68.80	Descend 28 ft., over SE. slope. Draw, 10 lks. wide, course NE.
79.30	Ascend 205 ft., over N. slope, to The cor. of secs. 5, 6, 7 and 8. Land, mountainous. Soil, rocky, 4th rate. Timber, palo verde. Undergrowth, catclaw, cactus and scrub oak.

Final Test of Instruments.

March 14, 1922.

At our camp, at Wooley Station, in sec. 10, T. 4 S., R. 13 E., G. and S. R. B and M., Arizona, lat. 33° 6' N.; long. 111° 1/2' W., at 8h. 0m. a.m., l.m.t., using the meridian established, as hereinbefore described, we set off 33° 6' N. on the lat. arcs; 2° 38 1/2' S. on the decl. arcs; and determine a meridian with each solar, which we find to agree with the true meridian.

At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian with each solar; the resulting readings of the decl. arcs are 2° 35 1/2' S.

At 4h. 0m. p.m., l.m.t., with the lat. arcs unchanged, we set off 2° 31' S. on the decl. arcs; and determine a meridian with each solar, which we find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within 1' 30" of the true meridian, we conclude that the adjustments of the transits have been satisfactory during the survey of this township.

Boundaries of Township 4 South, Range 13 East.
Latitudes, departures and Closing Errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	S. 89° 50' W.	1.40				1.40
	N. 89° 58' W.	32.34	.02			32.34
	N. 89° 46' W.	39.99	.16			39.99
	West,	39.95				39.95
	N. 89° 57' W.	40.12	.03			40.12
	N. 89° 59' W.	80.23	.02			80.23
	West,	39.90				39.90
	S. 89° 59' W.	40.23			.01	40.23
	N. 89° 57' W.	40.09	.03			40.09
	West,	40.01				40.01
	N. 89° 58' W.	40.00	.02			40.00
	N. 89° 53' W.	40.03	.08			40.03
	West,	4.34				4.34
West boundary,	North,	479.32	479.32			
North boundary,	East,	479.06			479.06	
East boundary,	S. 0° 5' W.	40.10		40.10		.06
	S. 0° 12' E.	78.37		78.37		.27
	South,	361.26		361.26		
Convergency,					.47	
<u>Totals.</u>			479.68	479.74	479.53	478.96
				479.68	478.96	
Error in latitude,			0.06			
Error in departure,					0.57	

GENERAL DESCRIPTION.

The surface of this township is mountainous and rolling, draining into the Gila River, which enters the township near the southeastern cor. of sec. 1, and flows westerly thru. secs. 1, 2, 3, 4, 5, 6, 10, 11 and 12, leaving the township on the west bdy. of sec. 6.

Mineral Creek flows southerly thru. the center of sec. 1, emptying into the Gila River in sec. 12, near Kelvin.

The average elevation of the township is about 3000 ft. above sea level.

The prevailing soil, a decomposed granite gravel and rocks, is unfit for cultivation, except in a few places along the banks of the Gila River in secs. 4, 5, and 6, where sandy loam soil is found.

Copper, silver and gold are found throughout the township. Mineral deposit of copper, gold, and silver are found in secs. 1, 2, 9, 12, 30 and 31. There are patented mining claims in these sections. There are also unpatented mines as follows:

The Golden Bell mine in sec. 7.

The Wooley mine in sec. 33.

The Lawrence min in sec. 8.

In addition, there are numerous prospect holes scattered about the township.

A scattering growth of mesquite and palo verde timber, valuable for firewood only, is prevalent over most of the township.

The undergrowth consists of catchlaw and ocotillo, giant cactus, scrub mesquite, greasewood and scrub oak.

The Gila river affords water all thru. the year.

A small spring is located in sec. 26, but it probably is intermittent in flow.

There are several settlers in the Township as follows:

J. P. Zellweger in sec. 4.

J. E. Johnson in sec. 10.

Tom Hall in sec. 10.

Mrs. G. C. Buell in sec. 4.

Tom Rutledge in sec. 18.

A settler, name unknown, in sec. 6.

There are also a number of people living at Kelvin and at Ray Junction, and along Mineral Creek in sec. 1.

The industrial possibilities of this region are mainly mining and grazing. The country affords a sparse growth of grasses fit for grazing purposes. Very little farming is done in the township.

The State highway runs diagonally across the township from Kelvin in the northeastern cor. to sec. 32 in the southwestern part.

The Arizona Eastern Railroad from Phoenix to Christmas follows the Gila River, and a branch line extends north thru. sec. 1 to Ray.

Note:

A diagram of "Confidence No. 3" patented lode mining claim, Mineral Survey No. 2445 was prepared from the Mineral records of this office, showing said claim with U.S.L.M. No. 2445 thereon to be located approximately in sec. 13, T. 4 S., R. 12 E., and this diagram accompanied the special instructions of Group No. 124, for the survey of said Township.

In February, 1924, Dupree R. Averill, U.S. Surveyor, in compliance with said instructions made search for this claim and mineral monument, and found the claim to be located in the SE. $\frac{1}{4}$ of sec. 18, T. 4 S., R. 13 E., and extending into sec. 17 of same Tp. Surveyor Averill

obtained the points of intersection of the mining claim boundary with the sec. line, bet. secs. 17 and 18, and also a tie to U.S.L.M. No. 2445, and a copy of his record of such data is here given as follows:

U.S.L.M. No. 2445 brs. N. $79^{\circ}13'E.$, 64.74 chs. dist. from the cor. of secs. 13, 18, 19 and 24, T. 4 S., R. 12 and 13 E.

The sec. line bet. secs. 17 and 18, T. 4 S., R. 13 E. at a point 17.26 chs. N. $0^{\circ}4'W.$ from cor. of secs. 17, 18, 19 and 20 of said township, intersects the SE. side line (3-4) of Confidence No. 3 patented lode mining claim, Mineral Survey No. 2445 at a point 5.55 chs. S. $46^{\circ}W.$ from cor. No. 3 of said claim.

Same sec. line at a point 25.32 chs. N. $0^{\circ}4'W.$ from the cor. of secs. 17, 18, 19 and 20 intersects the NE. end line (2-3) of said claim, at a point 3.34 chs. S. $46^{\circ}E.$ from cor. No. 2 of said claim.

The segregation of said mining claim based upon the above described data, has been made upon that plat of T. 4 S., R. 13 E., which delineates the surveys described in the foregoing field notes.

Charles M. Donohoe

U.S. Surveyor General.

4-680

BOOK 3603

FIELD ASSISTANTS.
to

Quintin Campbell, U. S. Surveyor

NAMES.	CAPACITY.
Harold Morrey	First Chainman
John Boggs	Second Chainman
Leo Brock	Flagman
Roy Seelinger	Cornerman

CERTIFICATE OF UNITED STATES SURVEYOR.

1000 303

I, Quintin Campbell, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 117, Arizona, bearing date of the 31st day of January, 1922, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the West Boundary and Subdivision Lines of

TOWNSHIP 4 SOUTH, RANGE 13 EAST,

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 1 hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 117, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Hot Springs, Calif

Quintin Campbell
U. S. Surveyor.

Date: May 16-1924

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 1924

The foregoing field notes of the survey of

executed by _____ under his special instructions dated _____, 1921, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above described surveys in _____, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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BOOK 3603

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

I, William H. Thorn, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 117, Arizona, bearing date of the 31st day of January, 1922, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, retraced all those parts or portions of the North Boundary of Township 5 South, Range 13 East; resurveyed all those parts or portions of the East Boundary of Township 4 South, Range 13 East, and surveyed all those parts or portions of the South and East Boundaries and Subdivision Lines of

Township 4 South, Range 13 East

of the Gila and Salt River

Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 1 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said retracement, resurvey and survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 117, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement, resurvey and survey.

Place: Ajo Arizona
Date: May 19 1924

William H. Thorn
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 26, 1924.

The foregoing field notes of the retracement of the North Boundary of Township 5 South, Range 13 East; of the resurvey of Part of the East Boundary of Township 4 South, Range 13 East; and of the survey of the South and West Boundaries and Part (completion) of the East Boundary and all of the Subdivision lines of

Township 4 South, Range 13 East

of the Gila and Salt River Base and Meridian, in the State of Arizona.

executed by William H. Thorn, U.S. Cadastral Engineer & Quintin Campbell, U.S. Surveyor under ~~the~~ special instructions dated January 31, 1922 for Group 117, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements, resurveys and surveys they describe, are hereby approved.

Charles M. Donohoe
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above described surveys in _____, has been correctly copied from the original notes on file in this office.