

# FIELD NOTES

of the

Retracement of the Gila and Salt River Meridian,

along a portion of the East boundary of

Township 12 North, Range 1 West;

and

resurvey, and survey, of a portion of the subdivision lines,

completing the subdivision of

Township 12 North, Range 1 East.

Of the Gila and Salt River Meridian,

In the State of Arizona

## EXECUTED BY

Theodore Vander Meer, U.S. Transitman

Under special instructions dated April 24, 1933, which provided for the surveys included under Group No. 178, bearing the approval of the Commissioner of the General Land Office under date of May 18, 1933 and assignment instructions dated July 1, 1933.

Survey commenced July 19, 1933.

Survey completed August 2, 1933.

3985

3985

# INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

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INDEX DIAGRAM

TOWNSHIP 12 NORTH, RANGE 1 EAST

Group 170, Arizona

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TRM. R.V.V.

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Lines retraced.

Lines resurveyed.

Surveyed.

The completion of the subdivisional survey of township 12 north, range 1 east, was executed with a light-mountain solar transit, made by the Buff & Buff Co., Serial No. 9976, constructed in accordance with the standard specifications of the general Land Office. The horizontal circle has a diameter of  $4\frac{1}{2}$  ins., with two double verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes; the telescope has fixed stadia wires, ratio 1:132, with a focal constant of 1.2 lks. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc  $3\frac{1}{2}$  ins., and of the declination arc 3 ins., each with verniers reading to single minutes. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer on July 11, 1933. All the instrument adjustments were examined before making the field tests hereinafter recorded.

The directions of the lines were determined by solar transit method. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 lks. and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained with a clinometer in good adjustment; the horizontal equivalents are entered in the field note record. Except where otherwise specified all measurements are made by chaining.

The data furnished with the special instructions gives the geographical position for the SE. cor. of the Tp. as follows: latitude  $34^{\circ}22'24''$  N., and longitude  $112^{\circ}12'06''$  W.

July 17, 1933, at the railroad depot in the town of Mayer, Ariz., in the NE.  $\frac{1}{4}$  of sec. 27, at  $11^{\text{h}}59.9^{\text{m}}$  p.m., l.m.t., I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed positions, and mark the mean point with a tack in a stake driven firmly in the ground about 5 chs. S. After sunrise on July 18 I set off the azimuth of Polaris,  $1^{\circ}16'52''$ , as closely as possible on the plate of the transit and, with the instrument thus oriented, read the true bearing to a point about 5 miles north-westerly, which bearing is  $N.22^{\circ}32' W.$  I check this bearing with the angle from the peg to the point, which, by repetition, is  $156^{\circ}11'00''$ .

July 18, 1933, at 30 min. intervals from 7 to 11 a.m. and from 1 to 5 p.m., I make proper settings on the arcs of the solar attachment, and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than  $1\frac{1}{2}'$ .

I repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals during the period of the survey.

.Surveyor General

.Surveyor

Chains

Retracement of Part of the G. & S. R. Meridian  
Through Township 12 North.

Beginning at the  $\frac{1}{4}$  sec. cor. of sec. 24, only, on the E. bdy. of T. 12 N., R. 1 W., which is an iron post, 1 in. diam., projecting 12 ins. above ground, firmly set, mkd. and witnessed as described in the official record,

North, on random <sup>and true</sup> line, on E. bdy. of sec. 24 (N.  $\frac{1}{2}$ ).

14.09 Intersect the closing cor. of Tps. 11 $\frac{1}{2}$  N. and 12 N., R. 1 E., which is an iron post, 3 ins. diam., projecting 14 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

40.05 Intersect the cor. of secs. 13 and 24, only, on the E. bdy. of T. 12 N., R. 1 W., which is an iron post, 3 ins. diam., projecting 14 ins. above ground, firmly set, mkd. on brass cap and witnessed as described in the official record.

Thence

North, on random line, on E. bdy. of sec. 13 (S.  $\frac{1}{2}$ ).

40.03 Fall 2 lks. E. of the  $\frac{1}{4}$  sec. cor. of sec. 13, only, which is an iron post, 1 in. diam., projecting 14 ins. above ground, firmly set, mkd. on brass cap and witnessed as described in the official record. The course and distance of this half mile is therefore N. 0° 02' W., 40.03 chs.

RESURVEY OF PART OF SUBDIVISION LINES OF  
Township 12 North, Range 1 East

Beginning at the cor. of secs. 15, 16, 21 and 22,

N. 0° 02' W., on random line, bet. secs. 15 and 16.

40.00 Fail to find  $\frac{1}{4}$  sec. cor. Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect E. and W. line 23 lks. E. of the cor. of secs. 9, 10, 15 and 16.

Returning to the cor. of secs. 15, 16, 21 and 22, which is an iron post, 2 ins. diam., 3 ft. long, properly marked on brass cap, in fallen mound of stone. I build a mound of stone, 5 ft. base, 3 ft. high, around post.

Thence

N. 0° 12' W., on true line, bet. secs. 15 and 16.

Over rolling land; through scattering undergrowth.

Asc. 80 ft. over general SW. slope.

6.00 Power line, brs. N. 30° W. and S. 30° E.

8.70 Drain, course W.

10.00 Secondary road, brs. E. and W.

15.60 Drain, course W.

21.30 Drain, course W.

## SUBDIVISION OF T:12 N., R.1 E.

- Chains (RESURVEY)
- 38.40 Secondary road, brs. NW. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for re-established  $\frac{1}{4}$  sec. cor., with brass cap mkd.
- 816/815  
1933
- 40.70 Small wash, course SE. Asc. gently. and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.
- 66.30 Highway, brs. NW. to Prescott and SE. to Mayer.
- 67.00 Flat spur, slopes SE. Along gentle E. slope.
- 80.00 Intersect the cor. of secs. 9, 10, 15 and 16, which is an iron post, 2 ins. diam., projecting 12 ins. above the ground, firmly set, properly mkd. on brass cap, witnessed by a mound of stone W. of cor.
- Land: rolling.  
Soil: clay and granite loam, 2nd rate.  
No timber. Undergrowth: scrub oak, catclaw.
- 
- Beginning at the cor. of secs. 21, 22, 27 and 28,  
West, on random line, bet. secs. 21 and 28.
- 40.00 Fail to find  $\frac{1}{4}$  sec. cor. Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Fail to find cor. Set temp. cor. of secs. 20, 21, 28 and 29.
- 
- Returning to the cor. of secs. 21, 22, 27 and 28, which is an iron post, 2 ins. diam., projecting 8 ins. above a mound of stone, firmly set, properly mkd. on brass cap, unwitnessed,
- West, on true line, bet. secs. 21 and 28.
- Over rolling land; through dense scrub oak, 4 ft. high.  
Asc. 30 ft. over E. slope.
- 4.40 Short spur, slopes S. Desc. 30 ft. along S. slope.
- 9.20 Trail, brs. NE. and SW.
- 10.00 Same trail, brs. S. 70° E. and N. 70° W.
- 12.70 Drain, course S. Asc. 105 ft. over SE. slope, to cor.
- 20.30 Same trail, brs. N. 70° E. and S. 70° W.
- 22.30 Same trail, brs. S. 70° E. and N. 70° W.
- 30.50 Ravine, course S. 70° E.
- 31.50 Same ravine, course N. 70° E.
- 36.50 Same trail, brs. N. 70° E. and S. 70° W.

Chains

(MEASURED)

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for re-established 1/4 sec. cor., with brass cap mkd.

S21  
S28  
1933

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

A prospect hole, 8 ft. deep, brs. about 15 lks. SW.

Asc. slightly.

42.00 Spur, slopes NE.

47.20 Head of drain, course NE.

49.10 Short spur, slopes N. 20° E.

51.80 Short spur, slopes N. Desc. 60 ft. over W. slope.

56.60 Short ravine, course N. Asc. 30 ft. over E. slope.

59.00 Short spur, slopes N. Desc. 25 ft. over W. slope.

61.40 Rocky wash, 15 lks. wide, course NE.

63.20 Ravine, course NE. Asc. 110 ft. over general E. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, with a stone mkd. + deposited beside, and in a mound of stone to top, for re-established cor. of secs. 20, 21, 28 and 29, with brass cap mkd.

T12NR1E  
S20 | S21  
S29 | S28  
1933

No suitable witness available.

Land: rolling.

Soil: granite loam, rocky, 3rd rate.

Timber: very scattering scrub cedar. Undergrowth: scrub oak, catclaw, mesquite, buckthorn.

N. 0° 02' W., on random line, bet. secs. 20 and 21.

40.00 Fail to find 1/4 sec. cor. Set temp. 1/4 sec. cor.

Returning to the cor. of secs. 20, 21, 28 and 29,

N. 0° 02' W., on true line, bet. secs. 20 and 21.

Over rolling broken land; through scattering scrub cedar and dense undergrowth.

Desc. 20 ft. over N. slope.

2.50 Ravine, course E.

SUBDIVISION OF T.12 N., R.1 E.

Chains (RESURVEY)

6.10 Low spur, slopes E.

9.40 Ravine, course E.

11.00 Low spur, slopes E.

13.90 Draw, course E.

16.00 Spur, slopes E.

21.00 Head of ravine, course E. Asc. 23 ft. over S. slope.

23.90 Spur, slopes E. Desc. 45 ft. over N. slope.

31.50 Ravine, course E. Asc. 30 ft. over SW. slope.

36.40 Spur, slopes E. Desc. 15 ft. over NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for re-established  $\frac{1}{4}$  sec. cor., with brass cap mkd. S20 | S21 1933 and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Land rolling and broken.  
Soil: granite and clay loam, 3rd rate.  
Timber: scrub cedar. Undergrowth: oak, catclaw, mesquite, buckthorn.

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Beginning at the cor. of secs. 15, 16, 21 and 22,  
West, on random line, bet. secs. 16 and 21.

40.00 Fail to find  $\frac{1}{4}$  sec. cor. Set temp.  $\frac{1}{4}$  sec. cor.

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Returning to the cor. of secs. 15, 16, 21 and 22, hereinbefore described,  
West, on true line, bet. secs. 16 and 21.

Over rolling land; through scattering creek bottom timber and scattering undergrowth.

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Desc. about 20 ft. over W. slope.

1.90 Farm road, bears N. and S.

6.00 Big Bug Creek, dry wash, 1 ch. wide, course S. 20° E. Asc.

10.30 Telephone line, parallels railroad.

11.35 Telegraph line, parallels railroad.

11.85 Railroad, brs. N. 15° W. and S. 15° E. Over flat.

21.50 Small ravine, course NE.

24.50 Ravine, course N. 70° E. Asc. 160 ft. over E. slope.

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



Chains

(RESUMED)

ground, with a stone, mkd. + deposited at base, and in a mound of stone to top, for re-established  $\frac{1}{4}$  sec. cor., with brass cap mkd.

.S16  
 $\frac{1}{4}$ S21  
 1933

No suitable witness available.

Land: rolling.

Soil: clay and adobe loam, rocky; 2nd and 3rd rates.

Timber: oak and walnut along creek. Undergrowth: oak, catclaw.

## RETRACEMENTS

Beginning at the  $\frac{1}{4}$  sec. cor. of secs. 16 and 17, which is an iron post, 1 in. diam., projecting 10 ins. above a mound of stone, firmly set, properly mkd. on brass cap, unwitnessed,

N.0°02'W., on random line, bet. secs. 16 and 17.

Over rolling land; through dense undergrowth, 4 ft. high.

Along wire fence, on line. Desc. 50 ft. over NE. slope.

3.20 Pipe line, 6 ins. diam., brs. E. and W.

5.70 Ravine, course SE. Asc. 70 ft. over SW. slope.

12.80 Spur, slopes SE. Desc. 15 ft.

15.70 Swale, slopes S.70°E.

17.00 A large mine dump and buildings, deserted, brs. 6 chs. W. Asc. 20 ft. over SE. slope.

19.00 Spur, slopes E. Desc. 130 ft. over N. slope.

28.50 An unoccupied house brs. about 6 chs. W.

29.60 Road to house and mine brs. W.; E. to Mayer.

39.92 Fall 3 lks. W. of the cor. of secs. 8, 9, 16 and 17, which is an iron post, 2 ins. diam., projecting 12 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

The course and distance of this half mile is therefore N.0°01'E., 39.92 chs.

Beginning at the cor. of secs. 9, 10, 15 and 16, hereinbefore described,

West, on random line, bet. secs. 9 and 16.

Asc. 50 ft. over gradual, open, E. slope.

7.30 Highway, brs. N.30°W. to Prescott and S.30°E. to Mayer.

7.50 Spur, slopes S.20°E. Desc. 70 ft. over NW. slope.

SUBDIVISION OF T. 12 N., R. 1 E.

Chains	(RETRACEMENTS)
15.30	Secondary road, brs. SW. and NE.
24.60	Wash, 20 lks. wide, course SW.
30.80	Power line, brs. N. and S.
40.33	Fall 1 lk. N. of the $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. diam., projecting 12 ins. above ground, firmly set, mkd. and witnessed as described in the official record. The course and distance of this half mile is therefore S. 89° 59' W., 40.33 chs. dist. Thence from cor., West, on random line, bet. secs. 9 and 16 (W. 2).
0.80	Telephone line and fence, br. N. and S.
4.50	Telegraph line, parallels railroad.
4.90	Railroad, brs. N. and S.
17.80	Big Bug Creek, small stream of water in wash, 80 lks. wide, course S. 20° E. Asc. 90 ft. over E. slope.
20.58	Intersect the closing cor. on H.E.S. No. 42, which is an iron post, 2 ins. diam., projecting 16 ins. above ground, firmly set, mkd. and witnessed as described in the official record.
33.90	Low ridge, brs. N. and S. Desc. slightly.
40.00	Fall 1 lk. N. of the cor. of secs. 8, 9, 16 and 17, herein before described. The course and distance of this half mile is therefore S. 89° 59' W., 40.00 chs. dist.

SURVEY

	Beginning at the cor. of secs. 14, 15, 22 and 23, which is an iron post, 2 ins. diam., projecting 14 ins. above ground, firmly set, mkd. on brass cap and witnessed as described in the official record, N. 89° 54' E., on random line, bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line 5 lks. N. of the cor. of secs. 13, 14, 23 and 24, which is an iron post, 2 ins. diam., projecting 14 ins. above ground, firmly set, mkd. and witnessed as described in the official record. Thence S. 89° 56' W., on true line, bet. secs. 14 and 23. Over rolling land; through moderate undergrowth. Desc. gently.
1.60	Drain, course S. Asc. 40 ft. over SE. slope.
10.60	Short spur, slopes S. Desc. 25 ft. over W. slope.
13.40	Drain, course S. Asc. 25 ft. over E. slope.

Chains

- 15.60 Spur, slopes S. Cabin brs. S. 65°W. Barn and sheds br. S. 59°W. House brs. S. 55½°W. Shed brs. S. 49°10'W. Pond N. of house brs. S. 60°W. Desc. 55 ft. over W. slope.
- 15.90 Telephone line, brs. S. 41°E. and N. 41°W.
- 23.00 Wash, 15 lks. wide, course S. Asc. 30 ft. over SE. slope.
- 30.00 Flat spur, slopes S. Desc. 10 ft. over W. slope.
- 33.20 Drain, course S. 20°E. Asc. 10 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
- $$\frac{1}{4} \frac{S14}{S23}$$
 1933
- and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
- 41.50 Drain, 5 ft. deep, course S. Asc. 30 ft. over E. slope.
- 45.40 Cabin brs. S. 10½°W. Barn and sheds br. S. 2½°W. House brs. S. 6°E. Shed brs. S. 27½°E.
- 46.00 Spur, slopes S. Desc. 65 ft. over W. slope.
- 50.20 Drain, course S. Asc. 25 ft. over SE. slope.
- 52.20 Short spur, slopes S. Desc. 95 ft. over SW. slope.
- 60.30 Gulch, course S. 20°W. Asc. 45 ft. over E. slope.
- 66.90 Short spur, slopes S. Desc. 15 ft. over SW. slope.
- 67.90 Drain, course S. 30°E. Asc. 20 ft. over SE. slope.
- 73.60 Spur, slopes S. Desc. 90 ft. over W. slope.
- 79.65 Wash, 15 lks. wide, course S. 15°W. Asc. 5 ft.
- 80.00 The cor. of secs. 14, 15, 22 and 23.

Land: rolling.  
 Soil: adobe loam, 3rd rate.  
 No timber. Undergrowth: oak, catelaw.

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 N. 0° 01' W., bet. secs. 14 and 15.

Over rolling broken land; through scattering undergrowth.

- 0.90 Wash, 15 lks. wide, course S. 20°W. Asc. 150 ft. over broken SW. slope, to cor.
- 20.00 Thompson's house brs. about 6 chs. W.
- 23.50 Short ravine, course SW.
- 25.00 Goat corral and shed brs. about 7 chs. W.
- 29.30 Short ravine, course SW.
- 38.50 Ravine, from N. 10°W., course S. 10°W.

SUBDIVISION OF T. 12 NORTH, RANGE 1 EAST

- Chains
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.
- S15/S14  
1933
- and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- Asc. 180 ft. over general E. slope.
- 55.10 Telephone line, brs. N.53°W. and S.53°45'E.
- 59.30 Rob Roy dance hall brs. N.36°18'W. Cabin and barn br. N.33°16'W.
- 60.70 Spur, slopes SW. Desc. 90 ft. over NW. slope.
- 71.10 Ravine, course W. Asc. 30 ft. over SW. slope.
- 76.70 Spur, slopes NW. Desc. 25 ft. over NW. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, with brass cap mkd.
- T12NR1E  
S10/S11  
S15/S14  
1933
- and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- Land: rolling.  
Soil: adobe loam, 3rd rate.  
No timber. Undergrowth: oak, catalaw.
- 
- N.89°56'E., on random line, bet. secs. 11 and 14.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.96 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 11, 12, 13 and 14, which is an iron post, projecting 10 ins. above a small mound of stone, firmly set, mkd. on brass cap and witnessed as described in the official record.
- Thence
- S.89°52'W., on true line, bet. secs. 11 and 14.
- Over rolling and mountainous land; through dense brush.
- Asc. 55 ft. over SE. slope.
- 7.40 Short spur, slopes S. Over general S. slope.
- 16.80 Ravine, course S.75°E.
- 19.60 Same ravine, course N.75°E. Asc. 110 ft. over SE. slope.
- 31.00 Spur, slopes NE. Over N. slope.
- 36.60 Enter ravine, course N.80°E.

- 39.60 Leave same, from SW.
- 39.98 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with a stone mkd.+ deposited at base, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.
- $\frac{1}{4}$ S11  
 $\frac{1}{4}$ S14  
 1933
- No suitable witness available.
- 40.20 Mouth of ravine from NW. brs. 15 lks. S.
- 41.00 Ravine, course SE. Asc. 115 ft. over general NE. slope.
- 53.80 Head of ravine, course NE. Asc. 290 ft. over E. slope.
- 65.20 Ridge, brs. NE. and SW. Along N. slope.
- 70.40 Short spur, slopes NW. Desc. 185 ft. over W. slope.
- 79.96 The cor. of secs. 10,11,14 and 15.
- Land: rolling E.  $\frac{1}{2}$  mountainous W.  $\frac{1}{2}$ .  
 Soil: adobe loam, rocky, 3rd rate.  
 Timber: very scattering scrub cedar. Undergrowth: catclaw, oak.
- 
- N.89°55'W., on random line, bet. secs. 10 and 15.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.50 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 9,10,15 and 16, hereinbefore described.
- Thence
- N.89°59'E., on true line, bet. secs. 10 and 15.
- Over rolling land; through scattering undergrowth.
- Desc. gently.
- 2.70 Wash, 25 lks. wide, course S.20°E. Asc. 90 ft. over gradual W. slope.
- 17.80 Spur, slopes SSE. Desc. 115 ft. over E. slope.
- 40.25 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.
- $\frac{1}{4}$ S10  
 $\frac{1}{4}$ S15  
 1933
- and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
- 40.70 Wash, 20 lks. wide, 3 ft. deep, course S. Asc. 85 ft. over W. slope.
- 43.40 Rob Roy dance hall brs. N.23°52'W. Cabin brs. N.20°W.
- 45.20 Short spur, slopes SW. Along S. slope.

11  
12

## Subdivision of T.12 N., R.1 E.

- Chains  
53.90 Drain, Course S. Asc. 25 ft. over SW. slope.
- 58.20 Short spur, slopes S.
- 59.10 Telephone line, brs. S.  $33\frac{1}{2}^{\circ}$ E. and N.  $33\frac{1}{2}^{\circ}$ W.
- 63.00 Short spur, slopes S. Desc. 15 ft. over SE. slope.
- 65.50 Drain, course S.
- 66.20 Ravine, course SW. Asc. 65 ft. over NW. slope.
- 75.00 Short spur, slopes NW. Along N. slope.
- 80.50 The cor. of secs. 10, 11, 14 and 15.  
Land: rolling.  
Soil: clay and silt loam, 3rd rate.  
Timber: none. Undergrowth: oak, catelaw.
- 
- N.  $0^{\circ}01'$ W., on random line, bet. secs. 10 and 11.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.15 Intersect E. and W. line 32 lks. E. of the cor. of secs. 2, 3, 10 and 11.
- Returning to the cor. of secs. 10, 11, 14 and 15,  
N.  $0^{\circ}15'$ W., on true line, bet. secs. 10 and 11.  
Over rolling broken land; through moderate undergrowth.
- Along broken W. slope.
- 8.40 Short spur, slopes N.  $70^{\circ}$ W. Desc. 15 ft.
- 9.90 Drain, course W. Asc. 15 ft.
- 12.90 Spur, slopes W. Desc. 15 ft.
- 15.00 Ravine, course W. Asc. 75 ft. over SW. slope.
- 29.00 Spur, slopes W. Desc. 35 ft. over NW. slope.
- 34.50 Drain, course W. Asc. 15 ft. over SW. slope.
- 36.50 Short spur, slopes W. Desc. 20 ft. over NW. slope.
- 38.10 Drain, course W. Asc. 15 ft. over SW. slope.
- 39.53 Telephone line, brs. N.  $80^{\circ}$ W. and S.  $80^{\circ}$ E.
- 40.07 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, with a stone, mkd. + deposited at base, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

S10 | S11

1933

Chains

No suitable witness available.

Asc. 35 ft. over SW. slope.

42.20 Power line, steel towers, hrs. N.80°W. and S.80°E.

44.30 Spur, slopes W. Desc. 25 ft. over NW. slope.

47.00 Draw, course NW. Asc. 15 ft. over SW. slope.

49.50 Short spur, slopes W. Desc. 15 ft. over NW. slope.

53.70 Ravine, course SW. Asc. 35 ft. over S. slope.

59.00 Spur, slopes SW. Desc. 20 ft. over NW. slope.

63.50 Ravine, course SW. Asc. 260 ft. over S. slope.

77.60 Ridge, hrs. N.70°W. and S.70°E. Desc. 30 ft. over NE. slope.

80.15 Intersect the cor. of secs. 2,3,10 and 11, which is an iron post, 2 ins. diam., projecting 14 ins. above the ground, firmly set, mkd. on brass cap and witnessed as described in the official record.

Land: rolling and broken.

Soil: adobe loam, rocky, 3rd rate.

No timber. Undergrowth: oak, catclaw, mesquite.

-----  
Beginning at the cor. of secs. 20,21,28 and 29,

S.0°02'E., on random line, bet. secs. 28 and 29.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.02 Intersect E. and W. line 5 lks. W. of the cor. of secs. 28,29,32 and 33, which is a properly-marked iron post, 2 ins. diam., projecting 24 ins. above ground, witnessed by a mound of stone W. of cor. I raise a mound of stone, 4 ft. base, to top of post.

Thence

N.0°04'W., on true line, bet. secs. 28 and 29.

Over rolling land; through dense undergrowth.

Along wire fence, on line. Asc. 20 ft. over SW. slope.

0.70 Gate in fence; dim road, hrs. NW. and SE.

3.40 Spur, slopes W. Desc. 15 ft.

6.90 Drain, course W. Asc. 135 ft. over general SW. slope, to  $\frac{1}{4}$  sec. cor.

20.40 Wash, 20 lks. wide, from NW., course SW.

37.40 3 unused mine buildings br about 6 chs. W.

39.85 Corner of fences, br. N., S., and E.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the

14

## SUBDIVISION OF T.12 N., R.1 E.

Chains

ground, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.
$$\frac{1}{4}$$

$$S29|S28$$

1933

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

Asc. gently over SW. slope. On E. side of N.-S. fence.

46.00 Flat divide, hrs. NW. and SE., slopes W. Desc. gently.

50.50 Wash, course NE. Asc. over broken SE. slope.

54.90 Spur, slopes E.

59.60 Spur, slopes E.

64.40 Spur, slopes E.

69.40 Spur, slopes E. Desc. 70 ft. over general N. slope.

74.00 Ravine, course E.

80.02 Intersect the cor. of secs. 20, 21, 28 and 29, hereinbefore  
described.

Land: rolling and broken.

Soil: adobe loam, rocky, 3rd rate.

Timber: very scattering scrub cedar. Undergrowth: oak,  
buckthorn, catclaw.Beginning at the  $\frac{1}{4}$  sec. cor. of secs. 20 and 21,

N.0°02'W., on random line, bet. secs. 20 and 21.

40.00 Set temp. cor. of secs. 16, 17, 20 and 21.

Thence from cor.,

N.0°02'W., on random line, bet. secs. 16 and 17.

39.96 Fall 72 lks. E. of the  $\frac{1}{4}$  sec. cor. of secs. 16 and 17.Beginning at the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21.

West, on random line, bet. secs. 16 and 21.

39.89 Intersect N. and S. line 12 lks. N. of temp. cor. of secs.  
16, 17, 20 and 21.Returning to the  $\frac{1}{4}$  sec. cor. of secs. 20 and 21, herein-  
before described,

N.0°33'W., on true line, bet. secs. 20 and 21.

Over rolling land; through dense undergrowth.

Desc. 20 ft. over N. slope.

2.50 Ravine, course E. Asc. 65 ft. over SE. slope.

12.00 Short spur, slopes E. Desc. 60 ft. over NE. slope.



Chains

- 19.90 Drain, course E. Asc. 15 ft. over SE. slope.
- 22.20 Short spur, slopes E. Desc. 35 ft, over NE. slope.
- 26.80 Ravine, course E.
- 29.50 Short spur, slopes E, Desc. 50 ft. over N. slope.
- 38.40 Drain, course E. Asc. gently.
- 40.12 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 16,17,20 and 21, with brass cap mkd.

T12NR1E  
 S17|S16  
 S20|S21  
 1933

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

Land: rolling.  
 Soil: adobe loam, 3rd rate.  
 Timber: very scattering scrub cedar. Undergrowth: oak, buckthorn, catclaw, manzanita, mahogany.

Beginning at the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21, hereinbefore described,

West, on true line, bet. secs. 16 and 21 (W.  $\frac{1}{4}$ ).

Over rolling land; through dense undergrowth.

Asc. 10 ft. over E. slope.

- 0.90 Spur, slopes NE. Desc. slightly.
- 3.80 Head of ravine, course NE. Asc. 35 ft. over NE. slope.
- 7.00 Spur, slopes NE. Asc. 20 ft. over top of spur.
- 10.20 Spur, from NW., slopes E. Desc. 40 ft. over SW. slope.
- 17.40 Trail, brs. N. and S.
- 20.10 Ravine, course NE. Asc. 20 ft. over E. slope.
- 25.70 Spur, slopes SE. Over general SE. slope.
- 28.90 Draw, course SE.
- 39.20 Drain, course SE.
- 40.25 Intersect the cor. of secs. 16,17,20 and 21, hereinbefore described.

Land: rolling.  
 Soil: adobe loam, 3rd rate.  
 No timber. Undergrowth: oak, catclaw, manzanita.

N.0°33'W., bet. secs. 16 and 17.

Over rolling land; through dense undergrowth.

Chains

- Desc. slightly.
- 1.10 Drain, course SE: Asc. 40 ft. over SE. slope.
- 7.00 Spur, slopes NE. Desc. 200 ft. over NW. slope.
- 11.50 A new mine shaft brs. 1 ch. E.
- 22.20 Wash, 30 lks. wide, course N.60°E.
- 22.80 Road, brs. NE. and SW: Asc. 95 ft. over S. slope.
- 32.50 Short spur, slopes E. Desc. 40 ft. over N. slope.
- 36.20 Ravine, course E. Asc. 35 ft. over S. slope.
- 39.70 Short spur, slopes E.
- 39.84 Intersect the 1/4 sec. cor., hereinbefore described.

Land: rolling.  
 Soil: adobe loam, 3rd rate.  
 Timber: scrub cedar. Undergrowth: oak, buckthorn, catclaw,  
 manzanita, mahogany.

Beginning at the cor. of secs. 19 and 20 of T.11 1/2 N. and of secs. 31 and 32 of this Tp., which is an iron post, 3 ins. diam., projecting 12 ins. above ground, firmly set, mkd. on brass cap and witnessed as described in the official record,

N.0°03'W., on true line, bet. secs. 31 and 32.

Over rolling broken land; through dense undergrowth.

Desc. slightly.

- 4.00 Ravine, course SE.
- 5.90 Same ravine, course SW. Asc. 90 ft. over SE. slope.
- 20.40 Short spur, slopes E. Along E. slope.
- 30.40 Short ravine, course E. Asc. 20 ft. over SW. slope.
- 32.80 Short spur, slopes E. Desc. 50 ft. over NE. slope.
- 39.20 Ravine, course E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, with a stone, mkd. + deposited at base, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

S31|S32

1933

No suitable witness available.

Over rolling E. slope.

Chains

- 50.00 Draw, course E.
- 70.40 Draw, course E.
- 71.60 Short spur, slopes E. Desc. 15 ft.
- 72.70 Ravine, course S. 70° E. Asc. 95 ft. over SE. slope.
- 79.00 Spur, slopes SE. Along E. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap mkd.

T12NR1E  
 S30|S29  
 S31|S32  
 1933

and raise a mound  
of stone, 3 ft. base, 3 ft. high, W. of cor.

Land: rolling.  
 Soil: adobe loam, 3rd rate.  
 Timber: very scattering juniper. Undergrowth: oak, catclaw, manzanita, buckthorn.

-----  
 East, on random line, bet. secs. 29 and 32.

- 40.00 Set temp. 1/4 sec. cor.
- 80.28 Intersect N. and S. line, 33 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence

S. 89° 46' W., on true line, bet. secs. 29 and 32.

Over rolling land; through dense undergrowth.

- 0.03 Wire fence, brs. N. and S. Desc. slightly.
- 1.30 Enter rocky wash, 15 lks. wide, 2 ft. deep, from W., course S.
- 2.50 Leave same, from N. Asc. 150 ft. over gradual E. slope.
- 35.20 Slope changes; asc. 85 ft. over SE. slope.
- 40.14 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, with a stone mkd. + deposited at base, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

S29  
 S32  
 1933

No suitable witness available.

Asc. 185 ft. over general E. slope.

- 47.50 Spur, slopes S. Desc. 20 ft. over SW. slope.
- 50.40 Head of ravine, course S. Asc. 25 ft. over SE. slope.

55.00	Prominent porphyry dyke on spur, slopes S. Desc. 170 ft. over SW. slope.
62.20	Ravine, course S.
63.50	Ravine, course S. Asc. 80 ft. over SE. slope.
68.30	Drain, course SE. Asc. 120 ft. over E. slope.
80.28	The cor. of secs. 29, 30, 31 and 32.
	Land: rolling.
	Soil: adobe and clay loam, 3rd rate.
	Timber: very scattering scrub cedar. Undergrowth: oak, catclaw, manzanita, buckthorn.
	-----
	West, on true line, bet. secs. 30 and 31.
	Over mountainous land; through dense undergrowth.
	Asc. 15 ft. over E. slope.
4.00	Spur, slopes SE. Asc. 55 ft. along S. slope.
12.80	Gulch, course S. 60° E. Asc. 530 ft. over E. slope.
32.20	Spur, slopes S. Top of hill brs. 4 chs. S. Desc. 525 ft. over W. slope, to 51.20 chs.
37.50	Trail, brs. NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with a stone, mkd. + deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{830}{4831}$ 1933
	No suitable witness available:
51.20	Gulch, course S. Asc. 135 ft. over E. slope.
56.00	Short spur, slopes S. Desc. 15 ft. over SW. slope.
61.90	Short ravine, course S. Asc. 25 ft. over SE. slope.
67.00	Spur, slopes S. Desc. 45 ft. over W. slope.
71.30	Ravine, course S. Asc. 20 ft. over E. slope.
73.00	Short spur, slopes S. Desc. 15 ft. over W. slope.
74.30	Short ravine, course S. Asc. 15 ft. over E. slope.
77.00	Short spur, slopes S. Desc. 15 ft.
79.00	Drain, course S. Asc. 15 ft. over E. slope.
80.00	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with a stone, mkd. + deposited at base, and in a mound of stone to top, for cor. of lots 10 and 11 of sec. 30 and of lots 2 and 3 of sec. 31, with brass cap

Chains

mkd.

S30  
10/11  
3/2  
S31  
1933

Asc. 50 ft. over E. slope.

83.70 Spur, slopes S. Over broken S. slope.

86.30 Drain, course S.

88.80 Spur, slopes S.

93.00 Short spur, slopes S.

94.34 (1.00 ch. E. of true point) Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, with a stone, mkd. + deposited at base, and in a mound of stone to top, for witness cor. to closing cor. of secs. 30 and 31, with brass cap mkd.

T12N  
R1E  
T12N  
S13 WC | S30  
R1W | S31 CC  
1933

No suitable witness available.

Desc. 30 ft. over SW. slope.

95.30 Enter wash, trace of water, 15 lks. wide, course S.15°E.

95.34 Intersect the G. & S.R. Meridian at a point 14.18 chs. North of the 1/4 sec. cor. of sec. 13, only, which is an iron post, 1 in. diam., projecting 14 ins. above ground, firmly set, properly mkd. on brass cap, witnessed by a mound of stone W. of cor.

Point of intersection falls in ravine of large drainage area, an unsuitable place for permanent monument.

Land: mountainous.

Soil: adobe and clay loam, 3rd and 4th rates.

Timber: very scattering scrub cedar. Undergrowth: oak, catclaw, mesquite, manzanita, mahogany, buckthorn.

Beginning at the cor. of secs. 29, 30, 31 and 32,

N.0°03'W., on true line, bet. secs. 29 and 30.

Over mountainous land; through dense undergrowth.

Along E. slope.

8.10 Trail, brs. NW. and SE.

9.30 Ravine, course ESE. Asc. 340 ft. over S. slope.

22.50 Spur, slopes E. Desc. 60 ft. over NE. slope.

27.60 Ravine, course E. Asc. 220 ft. over SE. slope.

35.80 Spur, slopes E. Derrick and hoist house br. N.73°E. about

## Chains

70 chs. dist. Desc. 65 ft. over NE. slope.

37.70 Pipe line, 3 ins. diam., brs. E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with a stone, mkd.+ deposited at base, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S30|S29

1933

No suitable witness available.

Desc. 25 ft. along E. slope.

48.00 Ravine, course E. Asc. 70 ft. over SE. slope.

53.30 Spur., slopes E. Desc. 550 ft. over NE. slope.

78.30 Wash, 20 lks. wide, 3 ft. deep, course S.70°E. Asc. 30 ft. over S. slope.

79.60 Trail, brs. NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground and in a mound of stone to top, for cor. of secs. 19,20,29 and 30, with brass cap mkd.

T12NR1E

S19|S20

S30|S29

1933

from which

An alligator juniper, 24 ins. diam., brs. S.61 $\frac{1}{2}$ °E., 3.63 chs. dist., mkd. T12N R1E S29 BT.

An alligator juniper, 6 ins. diam., brs. N.11 $\frac{1}{2}$ °W., 1.30 chs. dist., mkd. T12N R1E S19 BT.

No other suitable witness available.

Land: mountainous.

Soil: adobe loam, 3rd rate.

Timber: very scattering scrub cedar and juniper. Undergrowth: oak, manzanita, buckthorn, catclaw, etc.

N.89°46'E., on random line, bet. secs. 20 and 29.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.38 Intersect N. and S. line 14 lks. N. of the cor. of secs. 20,21,28 and 29.

Thence

S.89°52'W.; on true line, bet. secs. 20 and 29.

Over mountainous land; through dense undergrowth.

Asc. 140 ft. over NE. slope.

0.57 Wire fence, brs. N. and S.

- 4.90 Spur, slopes NE. Along N. slope.
- 10.30 Head of ravine, course NE. Asc. 280 ft. over E. slope.
- 17.40 Spur, slopes SE. Asc. 70 ft. over SE. slope.
- 23.40 Spur, slopes S. Along S. slope.
- 23.50 Mine derrick and hoist house br. S. 24°40' E.
- 33.70 Spur, slopes SW. Desc. 150 ft. over W. slope.
- 40.19 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, with a stone, mkd. + deposited beside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

$\frac{1}{4}$ S20  
 $\frac{3}{4}$ S29  
 1933

No suitable witness available.

- Desc. 125 ft. over W. slope.
- 51.60 Ravine, course S. Asc. 145 ft. over SE. slope.
- 60.40 Short spur, slopes S. Desc. 110 ft. over W. slope.
- 67.40 Small ravine, course S. Over general S. slope.
- 74.50 Small ravine, course S.
- 80.38 The cor. of secs. 19, 20, 29 and 30.

Land: mountainous.  
 Soil: adobe loam, 3rd rate.  
 Timber: very scattering scrub cedar and oak. Undergrowth:  
 oak, manzanita, catclaw, buckthorn.

West, on true line, bet. secs. 19 and 30.

Over mountainous land; through scattering juniper and oak and dense undergrowth.

Desc. 12 ft. along S. slope.

- 0.70 Trail, brs. NW. and SE.
- 2.60 Wash, 20 lks. wide, course SE. Over N. slope.
- 10.40 Draw, course N.
- 12.70 Small ravine, course N. Asc. 60 ft. over E. slope.
- 16.60 Short spur, slopes NE.
- 17.90 Small ravine, course NE. Asc. 160 ft. over E. slope.
- 25.00 Spur, slopes NE. Asc. 65 ft. over NE. slope.
- 28.10 Base of spur, slopes NE. Over N. slope.
- 33.00 Head of ravine, course NE. Asc. 210 ft. over NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S19  
 $\frac{1}{4}$ S30  
 1933

from which

A juniper, 5 ins. diam., brs. N.48°W., 25 lks. dist., mkd.  $\frac{1}{4}$  S19 BT.

No other suitable witness available.

Asc. 100 ft. over NE. slope.

44.00 Spur, slopes N. Desc. 70 ft. over NW. slope.

52.00 Ravine, course NNE. Asc. 55 ft. over NE. slope.

56.20 Short spur, slopes N. Along N. slope.

65.40 Head of ravine, course NE. Asc. 550 ft. over NE. slope.

79.40 Edge of malpais mesa, brs. N. and S. Over gently rolling top of same.

80.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, with a stone, mkd. + deposited at base, and in a mound of stone to top, for cor. of lots 10 and 11 of sec. 19 and of lots 2 and 3 of sec. 30, with brass cap mkd.

S19  
 10|11  
 3|2  
 S30  
 1933

from which

Large smokestack in Mayer brs. S.89°13'E.  
 Tallest stack of Humboldt smelter brs. N.31°03'E.  
 Poland Junction sub-station brs. N.26°45'E.  
 Tunnel dump brs. N.6°45'E. about 50 chs. dist.

Desc. gently.

95.34 Intersect the Gila and Salt River Meridian.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 19 and 30, with brass cap mkd.

T12N	T12N
S12	S19
R1W	S30-CC
	R1E

1933

from which

A juniper, 4 ins. diam., brs. N.16°E., 45 lks. dist., mkd. CC BT.

A juniper, 6 ins. diam., brs. S.39 $\frac{1}{2}$ °E., 89 lks. dist., mks. T12N R1E S30 CC BT.

From point of intersection the  $\frac{1}{4}$  sec. cor. on the E. bdy.



Chains

of sec. 12, T.12 N., R.1 W., brs. South, 14.05 chs. dist.; an iron post, 1 in. diam., projecting 14 ins. above ground, firmly set, mkd. on brass cap and witnessed as described in the official record.

Land: mountainous and gently rolling.  
Soil: adobe loam and adobe, 3rd rate.  
Timber: juniper. Undergrowth: oak, manzanita, buckthorn.

Beginning at the cor. of secs. 19, 20, 29 and 30,  
N.0°03'W., bet. secs. 19 and 20.

Over rolling-mountainous land; through dense undergrowth.  
Asc. 120 ft. over S. slope.

11.80 Head of ravine, course S.20°W. Asc. 160 ft. over S. slope.

21.00 Spur, slopes SE. Desc. 70 ft. over N. slope.

25.60 Head of ravine, course NE. Asc. 20 ft. over SE. slope.

29.30 Short spur, slopes E. Desc. 15 ft. over N. slope.

32.00 Ravine, course ESE. Asc. 45 ft. over S. slope.

38.30 Ridge, brs. E. and W. Desc. 25 ft. over N. slope.

39.70 Head of ravine, course NE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, with a stone, mkd. +, deposited beside, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

1/4  
S19 | S20  
1933

No suitable witness available.

Desc. 80 ft. over NE. slope.

50.00 Spur, slopes NE. Continue descent 290 ft. over NE. slope.

66.30 Ravine, course E. Asc. 25 ft. over S. slope.

67.90 Short spur, slopes E. Over gentler E. slope.

72.70 Spur, slopes E.

74.80 Ravine, course E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, with brass cap mkd.

T12NR1E  
S18 | S17  
S19 | S20  
1933

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

SUBDIVISION OF T.12 N., R.1 E.

Chains

The SW. cor. of the South Garbine mining claim, an iron post hereinafter described, brs. S.48°30'E., 1:19 chs. dist.

Land: mountainous and rolling.  
Soil: adobe loam, 3rd rate.  
Timber: very scattering scrub cedar and juniper. Undergrowth: oak, buckthorn, manzanita, mahogany, catclaw.

N.89°52'E., on random line, bet. secs. 17 and 20.

40.00 Set temp. 1/4 sec. cor.

79.88 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 16, 17, 20 and 21.

Thence

S.89°47'W., on true line, bet. secs. 17 and 20.

Over rolling-mountainous land; through dense undergrowth.

Asc. 40 ft. over E. slope.

0.37 Wire fence, brs. N. and S.

9.20 Spur, slopes NE. Desc. 95 ft. over W. slope.

13.80 An inclined shaft, 40 ft. deep, brs. 10 lks. N.

17.45 Intersect the E. side line (6-7 line) of the HACKBERRY patented mining claim, Mineral Survey No. 909, at a point 7.90 chs. N.36°04'E. of cor. No. 6, thereof, which is a slate stone, 10 x 8 x 12 ins. above ground, firmly set, mkd. H. No 6, with mound of stone beside. From point of intersection Cor. No. 7, which agrees with the description in the official record, brs. N.36°04'E., 14.10 chs. dist.

18.00 Short ravine, course NW. Continue descent 35 ft.

21.10 Rocky wash, 20 lks. wide, course NE. Asc. 70 ft. over SE. slope.

28.48 Intersect the W. side line (3-4 line) of the HACKBERRY patented mining claim, Mineral Survey No. 909, at a point 1.54 chs. N.35°43'E. of cor. No. 4, thereof, which is a slate stone, 8 x 8 x 10 ins. above ground, firmly set, mkd. H No 4, with mound of stone beside. From point of intersection Cor. No. 3, which agrees with the description in the official record, brs. N.35°43'E., 20.50 chs. dist.

32.20 Prospect shaft, 30 ft. deep, on line.

33.90 Spur, slopes NE. Desc. 25 ft. over NW. slope.

39.50 Drain, course N.

39.94 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, supported by a mound of stone, for 1/4 sec. cor., with brass cap mkd.

Chains

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

Asc. 75 ft. over NE. slope.

45.10 Short spur, slopes N. Desc. 35 ft. over NW. slope.

50.40 Ravine, course NE. Asc. 50 ft. over SE. slope.

67.10 Draw, course SE. Asc. 55 ft. over E. slope.

68.78 Intersect the E. side line (1-2 line) of the SOUTH CARBINE patented mining claim, Mineral Survey No. 3446, at a point 4.66 chs. N.22°28'E. of its cor. No. 2, which is an iron post, 1 in. diam., firmly set, projecting 14 ins. above ground, mkd. and witnessed as described in the official record.

78.64 Intersect the W. side line (3-4 line) of the SOUTH CARBINE patented mining claim, Mineral Survey No. 3446, at a point 87 lks. N.22°28'E. of its cor. No.3, which is an iron post, 1 in. diam., firmly set, projecting 14 ins. above ground, mkd. and witnessed as described in the official record.

79.88 The cor. of secs. 17,18,19 and 20.

Land: rolling-mountainous.

Soil: adobe loam, 3rd rate.

Timber: very scattering scrub cedar. Undergrowth: oak; manzanita, buckthorn, catclaw.

West, on true line, bet. secs. 18 and 19.

Over mountainous land; through dense undergrowth.

Asc. 20 ft.

2.20 Spur, slopes N.75°E. Over N. slope.

8.00 Head of ravine, course N.70°E. Asc. 130 ft. over E.slope.

16.20 Spur, slopes NE. Over N. slope.

22.20 Head of ravine, course NE. Asc. 460 ft. over E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, with a stone mkd. + deposited beside, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

1/4 S18  
1/4 S19  
1933

No suitable witness available.

Asc. 25 ft. over NE. slope.

42.00 Spur, slopes NNE. Desc. 210 ft. over NW. slope.

57.30 Gulch, course N. Enter scattering oak, walnut and pine timber. Asc. 25 ft. over NE. slope.

SUBDIVISION OF T.12 N., R.1 E.

- 59.50 Short spur, slopes N. Desc. 35 ft. over NW. slope.
- 64.00 Head of ravine, course NE. Asc. 160 ft. over E. slope.
- 77.20 Short spur, slopes NE. Desc. 20 ft. over NW. slope.
- 78.30 Drain, course NE. Asc. 20 ft. over SE. slope.
- 80.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for cor. of lots 10 and 11 of sec. 18 and of lots 2 and 3 of sec. 19, with brass cap mkd.

S18  
 10|11  
 ---  
 3|2  
 S19  
 1933

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

Asc. 15 ft. over E. slope.

- 81.00 Spur, slopes N. Over N. slope.
- 84.00 Ravine, course NNE. Asc. 120 ft. over E. slope, to cor.
- 91.00 Short spur, slopes N.
- 93.20 Drain, course NNE.
- 95.42 Intersect the Gila and Salt River Meridian.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor. of secs. 18 and 19, with brass cap mkd.

T12N | T12N  
S18	S18
 R1W | R1E  
 1933

from which

A walnut, 8 ins. diam., brs. S.47°E., 1.34 chs. dist., mkd. T12N R1E S19 CC BT.

A pine, 10 ins. diam., brs. N.75°E., 2.60 chs. dist., mkd. T12N R1E S18 CC BT.

And raise a mound of stone, 3 ft. base, 4 ft. high, E. of cor.

From point of intersection the sec. cor. of sec. 1, on the E. bdy. of T.12 N., R.1 W., brs. South, 14.02 chs. dist.; an iron post, 1 in. diam., projecting 12 ins. above ground, firmly set, mkd. on brass cap and witnessed as described in the official record.

Land: mountainous.  
 Soil: adobe and loam, 2nd and 3rd rates.  
 Timber: oak, pine, walnut, juniper. Undergrowth: oak, manzanita, catclaw, buckthorn, mahogany.

-----  
 Beginning at the cor. of secs. 17, 18, 19 and 20,

- Chain  
 N.0°03'W., bet. secs. 17 and 18.  
 Over rolling land; through dense undergrowth.
- 1.00 Low spur, slopes E. Desc. 15 ft. over N. slope.
  - 3.50 Drain, course E. Asc. 15 ft. over SE. slope.
  - 6.50 Short spur, slopes E.
  - 9.00 Drain, course E.
  - 11.40 Spur, slopes E.
  - 13.50 Ravine, course SE. Asc. 95 ft. over SE. slope.
  - 23.50 Spur, slopes E. Desc. 70 ft. over NE. slope.
  - 32.00 Ravine, course SE. Asc. 25 ft. over S. slope.
  - 34.50 Short spur, slopes SE.
  - 35.80 Short ravine, course SE. Asc. 50 ft. over S. slope.
  - 38.40 Pipe line, 6 ins. diam., hrs. E. and W.
  - 40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with a stone mkd. + deposited at base, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S18|S17

1933

No suitable witness available.

- Asc. 185 ft. over S. slope.
- 51.10 Spur, slopes E. Desc. 290 ft. over N. slope.
- 68.80 Ravine, course N.60°E. Asc. 135 ft. over S. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, with a stone mkd. + deposited at base, and in a mound of stone to top, for cor. of secs. 7, 8, 17 and 18, with brass cap mkd.

T12NR1E

S7|S8

S18|S17

1933

No suitable witness available.

Land: rolling.  
 Soil: adobe loam, 3rd rate.  
 No timber. Undergrowth: oak, manzanita, buckthorn, catclaw.

- N.89°47'E., on random line, bet. secs. 8 and 17.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
  - 79.54 Intersect N. and S. line, 33 lks. N. of the cor. of secs.

chains

8,9,16 and 17.

Thence

N.89°59'W., on true line, bet. secs. 8 and 17.

Over rolling land; through dense undergrowth.

- 1.10 Wash, 15 lks. wide, 3 ft. deep, course NE. Asc. gently.
- 15.40 Drain, course NE. Asc. 90 ft. over E. slope.
- 22.30 Short spur, slopes SE. Over S. slope.
- 27.00 Drain, course SE. Asc. 15 ft. over SE. slope.
- 32.00 Short spur, slopes S.
- 33.70 Drain, course SE. Asc. 30 ft. over NE. slope.
- 37.50 Spur, slopes NE. Desc. 12 ft. over NW. slope.
- 39.77 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with a stone mkd. + deposited at base, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 8  
 $\frac{1}{4}$ S 17  
 1933

No suitable witness available.

- 40.10 Drain, course N. Asc. 35 ft. over NE. slope.
- 44.20 Spur, slopes N. Desc. 40 ft. over NW. slope.
- 50.60 Ravine, course NE. Asc. 215 ft. over E. slope.
- 73.60 Spur, from N.75°W., slopes N.85°E. Asc. 25 ft. over SE. slope.
- 79.54 The cor. of secs. 7,8,17 and 18.

Land: rolling.

Soil: adobe loam, 3rd rate.

No timber. Undergrowth: oak, catchaw, manzanita, mahogany.

West, on true line, bet. secs. 7 and 18.

Over mountainous land; through dense undergrowth.

Asc. 240 ft. over SE. slope.

- 18.00 Spur, slopes N.85°E.
- 19.50 Same spur, slopes S.85°E. Desc. 30 ft. over SW. slope.
- 25.00 Saddle in spur, slopes E. Asc. 155 ft. over E. slope.
- 36.20 Spur, slopes NNE. Desc. 65 ft. over NW. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam.; 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

Chains

S 7  
4 1/4 S18

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

Desc. 325 ft. over NW. slope.

49.50 Enter growth of pine and oak timber, brs. NE. and SW.

51.50 Grapevine Creek wash, dry, 30 lks. wide, course NE. Asc. 350 ft. over SE. slope.

55.10 Old road, brs. NE. and SW.

56.00 Leave timber, brs. NE. and SW.

76.80 Spur, slopes SE. Over S. slope.

80.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, with a stone, mkd. +, deposited at base, and in a mound of stone to top, for cor. of lots 10 and 11 of sec. 7 and of lots 2 and 3 of sec. 18, with brass cap mkd.

S 7  
10 1/2  
3 1/2  
S18  
1933

81.00 Short spur, slopes S. Desc. 60 ft. over SW. slope.

84.60 Short ravine, course SE. Asc. 220 ft. over E. slope.

94.70 Spur, slopes S. 20° E.

95.32 Intersect the Gila and Salt River Meridian.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, with a stone mkd. +, deposited at base, and in a mound of stone to top, for closing cor. of secs. 7 and 18, with brass cap mkd.

T12N T12N  
S7  
S36 S18 CC  
R1W R1E

1933

No suitable witness available.

From point of intersection the 1/4 sec. cor. on the E. bdy. of sec. 36, T.12 N., R.1 W., brs. South, 14.00 chs. dist., an iron post, 1 in. diam., projecting 12 ins. above a small mound of stone, firmly set, mkd. on brass cap and witnessed as described in the official record.

Land: mountainous.

Soil: adobe loam, 3rd rate.

Timber: oak, pine, juniper. Undergrowth: oak, manzanita, mahogany, catclaw, mesquite, grapevine.

Beginning at the cor. of secs. 7, 8, 17 and 18,

Chains

- N.0°03'W., on random line, bet. secs. 7 and 8.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.97 Intersect E. and W. line, 35 lks. E. of the cor. of secs. 5, 6, 7 and 8, which is an iron post, 2 ins. diam., projecting 18 ins. above ground, mkd. and witnessed as described in the official record. I raise a mound of stone around post.
- Thence
- S.0°18'E., on true line, bet. secs. 7 and 8.
- Over rolling land; through dense undergrowth.
- Over patented mining ground.
- Desc. 115 ft. over SW. slope.
- 6.20 Old road, brs. NW. and SE.
- 11.80 Ravine, course SE. Desc. 15 ft. over S. slope.
- 18.40 Drain, course SE. Asc. 10 ft. over N. slope.
- 22.00 Low spur, slopes SE. Desc. 30 ft. over S. slope.
- 25.50 Old road, brs. E. and W.
- 28.00 Ravine, course S.70°E. Asc. 20 ft. over NE. slope.
- 32.00 Spur, slopes SE. Desc. 60 ft. over S. slope.
- 32.10 Grapevine Creek road, brs. N.60°W.
- 37.84 Leave patented ground. Intersect the S. end line (3-4 line) of the GOOD LUCK No. 4 mining claim, Mineral Survey No. 3768, at a point 5.53 chs. S.58°06'E. of its cor. No. 4 which is a schist stone, 5 x 10 x 14 ins. above ground, mkd. + on top, 4GL4 on E., 3GL5 3768 on W., witnessed by a mound of stone. Cor. No. 3, mkd. and witnessed as described in the official record, brs. S.58°06'E., 3.46 chs. dist.
- 39.99 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with a stone, mkd. + deposited at base, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.
- $\frac{1}{4}$   
S7188
- 1933
- No suitable witness available.
- Desc. 40 ft. over S. slope.
- 47.70 Grapevine Creek, dry wash, 30 lks. wide, course SE. Asc. 135 ft. over NE. slope.
- 49.50 Drain, course NE.
- 64.70 Spur, slopes N.70°E. Desc. 30 ft. over SE. slope.
- 70.30 Ravine, course NE. Asc. 65 ft. over NE. slope.
- 79.20 Spur, slopes E. Over top of same.



79.97

The cor. of secs. 7,8,17 and 18.

Land: rolling.

Soil: adobe loam, 3rd rate.

No timber. Undergrowth: oak, catclaw, manzanita.

FINAL TEST OF SOLAR ATTACHMENT

Aug. 3, 1933, on the meridian described on page 2, hereof, at 1 hour intervals from 7 to 11 a.m. and from 1 to 5 p.m., I make proper settings on the arcs of the solar attachment, and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than 1 1/2'.

GENERAL DESCRIPTION

The east fraction of 5 secs. surveyed at this time lies across the divide bet. the Agua Fria and Big Bug Creeks at an elevation of 4500 to 5000 ft. above sea-level.

The land is rolling and broken with a surface, usually shallow, of an adobe or clay loam. There is a moderate growth of oak brush, catclaw and bunch grass, excellent feed for the two herds of goats now on the S. portion of the area. The ranch layouts for the herds are located in the SE. cor. of sec. 15 and the N. part of sec. 23. A large dance hall and small ranch building belonging to Rob Roy is located in the NW. cor. of sec. 10.

Water has been developed at each of the three places; no other water was observed.

A small amount of scrub cedar and juniper timber on the area has been removed for fuel and fences; none remains.

A power line and telephone line of the Arizona Power Co. runs westerly across secs. 10 and 11. A telephone line of the Mountain States T. & T. Co. runs northwesterly across the area.

The area appears to be lightly mineralized; several prospect holes were observed.

The west fraction lies entirely west of Big Bug Creek, southwesterly and northwesterly of the town of Mayer, from which it is accessible by three side roads.

The surface varies from level and rolling land along the E. side of the area to mountainous on the W. The sea-level elevations are 4500 to 6400 ft., with slope and drainage mostly easterly into Big Bug Creek. The extreme southwest part drains in that direction into Wolf Creek.

Soil is generally a clay loam, rocky or of little depth. Possibilities of agriculture are very small. The geology of the area is complicated; granite and schist appear predominant. There has been considerable prospecting, apparently with only moderate success. Mine shafts with large dumps are located in secs. 17 and 29. A lava capping covers about half of secs. 19 and 30.

There is a moderate amount of oak, pine, walnut, willow and ash timber along the main water courses, with a lesser amount of juniper and scrub cedar elsewhere. Pinon was observed on the higher elevations.

SUBDIVISION OF T. 12 N., R. 1 E.

Nearly all of the area is covered with a heavy growth of oak and buckthorn undergrowth from 3 to 8 ft. in height. There is a lesser amount of manzanita, mahogany, catclaw, mesquite and bayonet.

The only running water in the area is in Grapevine Creek in sec. 18, though live water was seen at 3 or 4 other points.

The present east boundary of the Prescott Forest Reserve runs through the area and is marked with a strong wire fence.

Two pipe lines, of 4 and 6 ins. diameter, formerly serving the Boggs smelter and the town of Mayer, run easterly through the area.

The bed of a narrow guage railroad remains in sec. 17.

There are no residents; the several mine buildings are vacant.

4-680  
 (August, 1926)

BOOK 3985

**FIELD ASSISTANTS.**  
 to

Theodore Vander Meer, U.S. Transitman

NAMES.	CAPACITY.
Ben Mollette	First Chainman
Walter Grayum	Second Chainman
Wm. Shafer	Axman
Thomas J. Kulyas	Flagman
Charles Foster	Moundsman

CERTIFICATE OF UNITED STATES SURVEYOR

I, Theodore Vander Meer, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 24th. day of April, 1933, 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 the Gila and Salt River Meridian, along a portion of the East boundary of Township 12 North, Range 1 West; and resurveyed, and surveyed, a portion of the subdivision lines, completing the subdivision of Township 12 North, Range 1 East,

of the Gila and Salt River Meridian, in the State of ARIZONA, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of resurvey and retracement said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey resurvey and retracement.

Phoenix, Arizona  
September 29, 1933

*Theodore Vander Meer*  
U.S. Transitman

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, December 26, 1933.

The foregoing field notes of the retracement of the Gila and Salt River Meridian, along a portion of the East boundary of Township 12 North, Range 1 West; and resurvey, and survey, of a portion of the subdivision lines, completing the subdivision of Township 12 North, Range 1 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Theodore Vander Meer, U.S. Transitman under his special instructions dated April 24, 1933, ~~XXXX~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys resurveys and retracements they describe, are hereby approved.

*Wm. H. Johnson*  
U. S. Supervisor of Surveys.

~~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.~~

*Wm. H. Johnson*  
U. S. Supervisor of Surveys.