

4-679  
(April 1933)

Book G

BOOK 3973

# FIELD NOTES

of the

3973

survey of a portion of the East boundary; resurvey of a portion of the West and North boundaries; and survey and resurvey of a portion of the subdivisional lines, continuing the survey of Township 12 South, Range 14 East,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

### EXECUTED BY

Dupree R. Averill, U.S. Surveyor  
and

Theodore Vander Meer, U.S. Transitman

3973

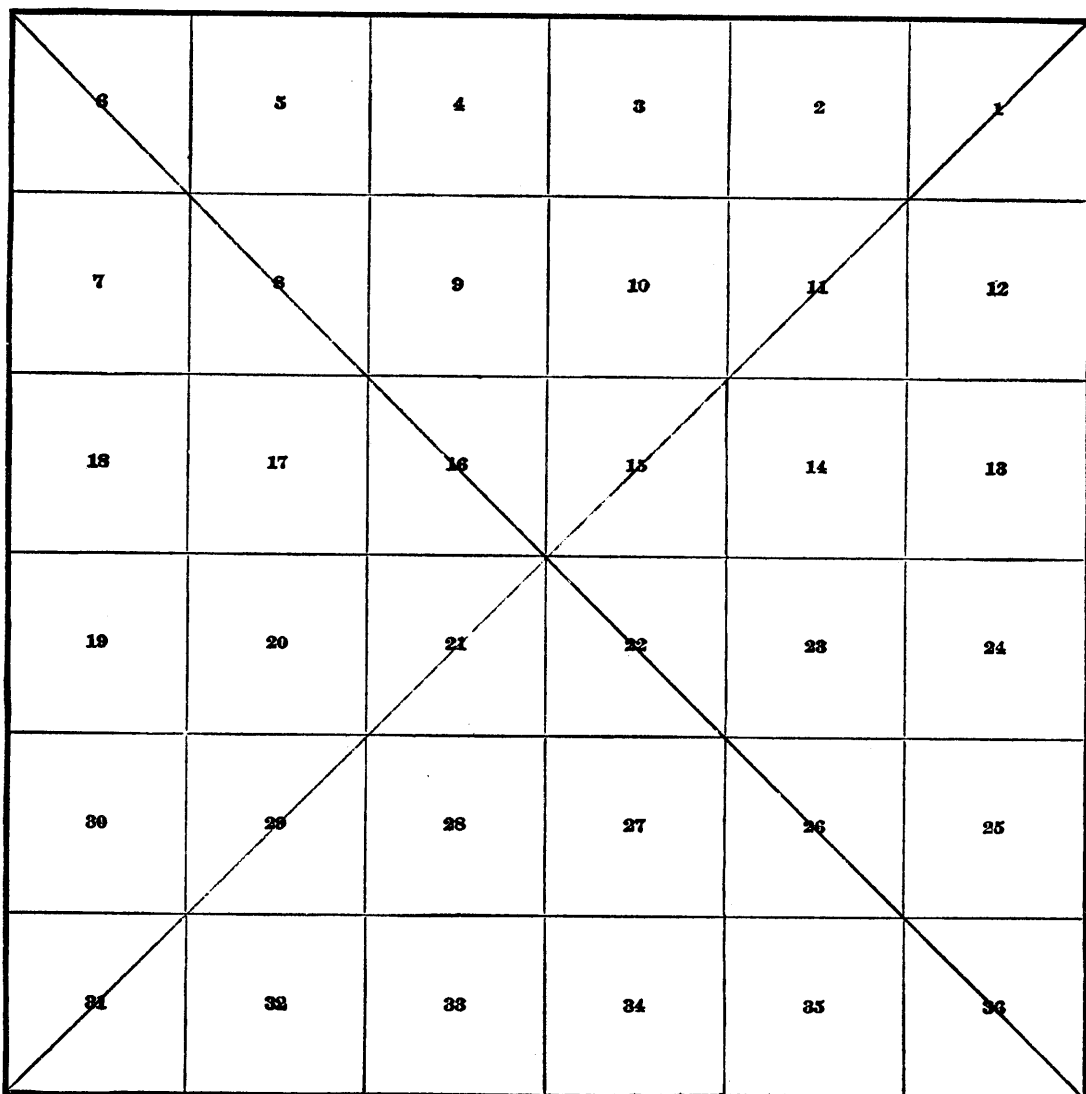
Under special instructions dated December 1, 1931, 1932, which provided for the surveys included under Group No. 172, bearing the approval of the Commissioner of the General Land Office under date of December 29, 1931, and assignment instructions dated May 11, 1932 and June 7, 1932, respectively.

Survey commenced June 1, 1932

Survey completed June 28, 1932

# INDEX DIAGRAM.

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

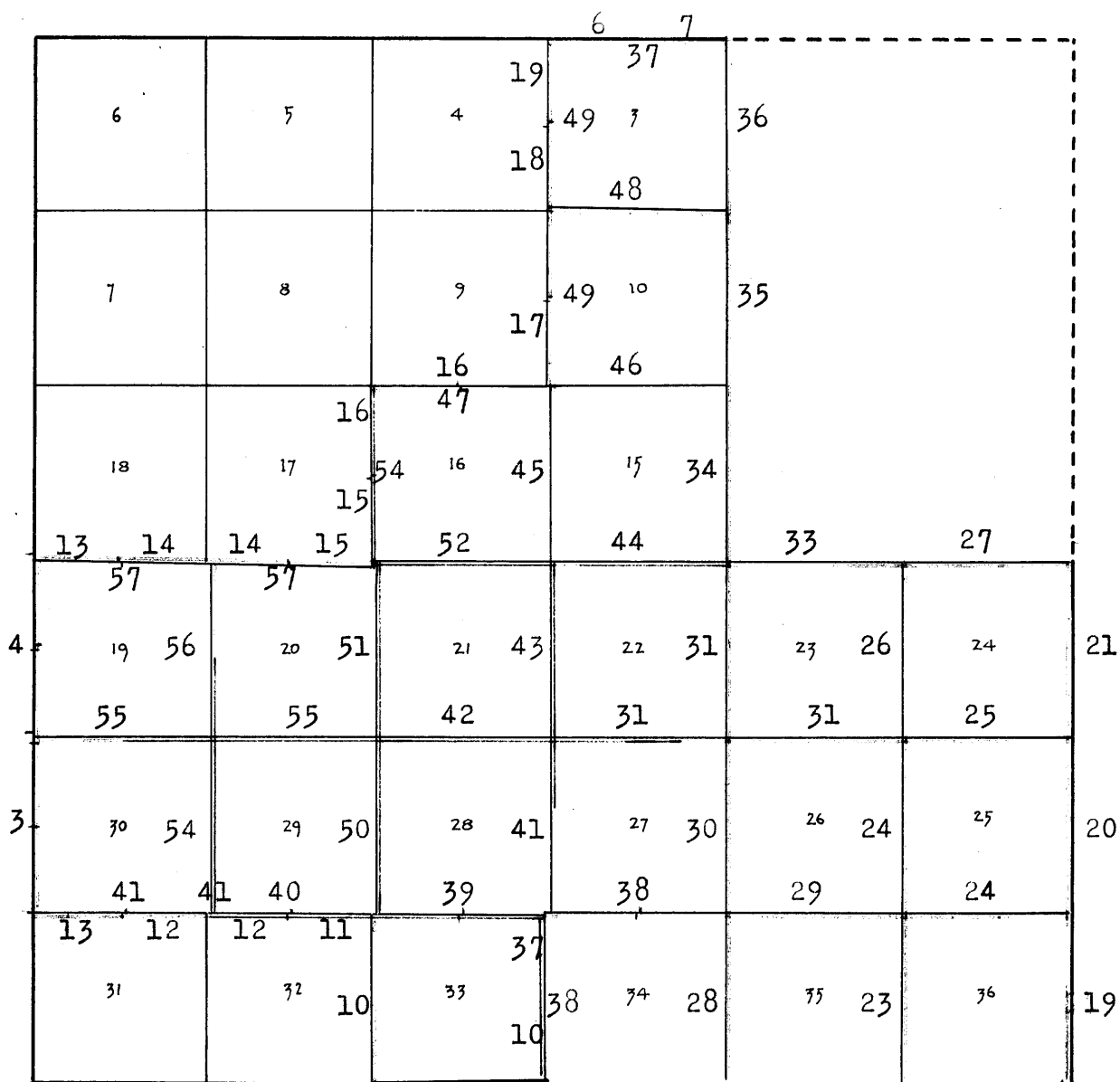


BOOK 3973

# INDEX DIAGRAM

## T. 12 S. R. 14 E.

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— Lines surveyed or resurveyed by Dupree R. Averill, U.S.S.

— Lines surveyed or resurveyed by Theodore Vander Meer, U.S.T

The survey by Dupree R. Averill, U.S.G., was executed with a light mountain solar transit, made by Buff & Buff Serial No. 17992, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of 4½ ins., with two double opposite 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 4 ins. and of the declination arc 3½ 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, was approved by the district cadastral engineer May 24, 1932. I examine all the instrumental adjustments before making the field tests hereinafter recorded.

The directions of all lines were determined by solar transit method, supplemented by direct observation upon the sun for azimuth. 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 by two clinometers in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position of the SE. cor. of the Tp. as follows: latitude 32° 20' 20" N., and longitude 110° 51' 38" W.

May 26, 1932, at camp, about 15 chs. NE. of the center of sec. 3, T.13 S., R.14 E. in latitude 32° 20' N. and longitude 110° 54' W. as shown in the data furnished with the special instructions, I make a series of observations for the determination, and verification, of time, latitude, and azimuth, to be employed on the survey, as follows:

1. An altitude observation on the sun, first setting on the suns lower and right limbs, then after reversal of the instrument, setting upon the upper and left limbs; the horizontal angles being measured from a sharply defined point upon the crest of Pusch Ridge about three miles distant from this station:

Mean watch time of observation, p.m.	6h. 38m. 47s.
Mean vertical angle	9° 13' 37"
Mean horizontal angle	52° 26' 30"
Reduced watch, fast of standard time	0m. 06s.
Reduced bearing to reference point	N. 18° 09' 00" W.

2. An hour angle observation of Polaris west of the meridian, making four readings, two each with the telescope in direct and reversed positions, and noting the deflection angle to the reference point above defined:

Mean watch time of observation, p.m.	7h. 35m. 00s.
Mean altitude of Polaris	31° 25' 22"
Mean horizontal angle, west	17° 29' 22"
Reduced bearing to reference point	N. 18° 08' 34" W.
Reduced latitude	32° 19' 48" N.

3. A meridian altitude observation upon the stars B. Corvi and Polaris, making four readings upon each, two each with the telescope in direct and reversed positions:

## Resurvey of Part of the West Boundary of T.12 S.R.14 E.

chains

B. Corvi, C. G. ...

Mean watch time of observation, p.m. 8h. 31m.  
 Mean altitude 34° 38' 36"  
 Reduced latitude 32° 19' 59"N.

Polaris

Mean watch time of observation, p.m. 9h. 43m.  
 Mean altitude 31° 16' 09"  
 Reduced latitude 32° 19' 52"N.

May 27, 1932, every hour, from 6 to 11 a.m. and 1 to 6 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' 30".

I repeat the test of the arcs daily by noon observation and verify the meridional indications at frequent intervals throughout the survey.

June 10, 1932--Transit No. 9977, used by Theodore Vander Meer, U.S.T., is tested at frequent intervals on the meridian as described and found in satisfactory adjustment.

The west boundary was originally surveyed by F.B. Jacobs in 1901, the west 4 miles of the north boundary in 1901, and a portion of the subdivisions in 1902. The south 2 miles of the west boundary was resurveyed by Hugh F. DuVal in 1911, the north 4 miles was resurveyed by Wm. H. Elliott in 1913.

No subsequent retracement or resurvey is of record.

The following notes describe a dependent resurvey of the W. bdrs. of secs. 30 and 19, and of the N. bdy. of sec. 3, reconstructing the original corners thereon, and altering their reference to conform to the survey of the subdivisions of T.12 S., R.14 E.

## Retracement for Resurvey

From the original cor. of secs. 25, 30, 31 and 36.

North on a random line bet. secs. 25 and 30, S.  $\frac{1}{2}$ .

39.71 Fall 37 lks. E. of original  $\frac{1}{4}$  sec. cor.

Thence from cor.,

North on a random line bet. secs. 25 and 30, N.  $\frac{1}{2}$ .

39.44 Fall 42 lks. W. of the reconstructed cor. of secs. 19 and 30, T.12 S., R.14 E.

Thence from cor.,

North on a random line on the W. bdy. of sec. 19, S.  $\frac{1}{2}$ .

0.98 Intersect. the closing cor. of secs. 24 and 25, T.12 S., R.13 E.

38.95 Fall 18 lks. E. of the reconstructed  $\frac{1}{4}$  sec. cor. of sec. 19.

Thence from cor.,

North on a random line on the W. bdy. of sec. 19, N.  $\frac{1}{2}$ .

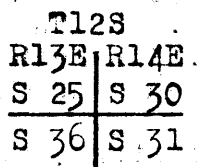
40.44 Fall 4 lks. W. of the reconstructed cor. of secs. 18 and 19, T.12 S., R.14 E.

Resurvey of Part of the West Boundary of T.12 S., R.14 E.

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The original cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp. is a granite stone, 16 x 12 x 10 ins., firmly set, marked with 1 notch on the S. and 5 notches on the N. faces. Reconstruct this cor. monument as follows:  
 In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for the cor. of secs. 25, 30, 31 and 36, with brass cap mkd.



1932

from which the one remaining original bearing tree, a paloverde, 8 ins. diam., bears S.52 $\frac{1}{2}$ °W. 85 lks. dist., marked T12S R13E S36 BT.

No other bearing trees available.

Wire fencing extends north from this cor.

Thence

N.0°32'W. on true line bet. secs. 25 and 30, S.  $\frac{1}{4}$ .

Over gently rolling mesa, through scattered timber and undergrowth.

10.00 Drain, course S.80°W.

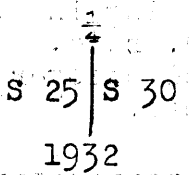
30.00 Wash, 20 lks. wide, course W.

35.20 Wash, 50 lks. wide, in ravine, course W. Asc. 40 ft. over S. slope.

38.00 Flat spur, slopes S.75°W.

39.71 The original  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, which is a granite stone 20 x 10 x 6 ins., firmly set in the ground, and in a mound of stone, marked  $\frac{1}{4}$  S on the W. face. Reconstruct this cor. monument as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., of secs. 25 and 30, with brass cap mkd.



Wire fencing extends E. and S. from this cor.

Thence

N.0°36'E. on true line bet. secs. 25 and 30, N.  $\frac{1}{2}$ .

Desc. gradual N. slope, 65 ft.

1.60 Drain, course NW.

9.75 Wash, 30 lks. wide, course N.80°W. Asc. 150 ft. over S. slope.

Resurvey of Part of the West Boundary of T.12 S., R.14 E.

chains

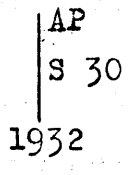
22.50 Small spur, slopes W. Desc. 30 ft. over N. slope.

24.80 Wash, 50 lks. wide, course S.60°W. Asc. 60 ft. over S. slope.

35.50 Spur, slopes S.75°W. Asc. 10 ft. over SW. slope.

39.44 The reconstructed cor. of secs. 19 and 30, which is a granite stone 16 x 12 x 10 ins. firmly set in the ground marked with 2 notches on the S. and 4 notches on the N. faces. This cor. now functions as an angle point on the W. bdy. of sec. 30; reconstruct the cor. monument, and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, to bedrock, and in a mound of stone to top, for angle point on the W. bdy. of sec. 30, with brass cap mkd.



from which

two remaining original bearing trees,

a paloverde, 4 ins. diam., bears S.49½°E. 70 lks. dist. old blaze rotted out.

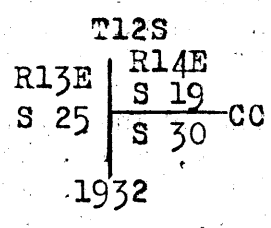
a paloverde, 6 ins. diam., bears N.23½°W. 32 lks. dist. markings on old blaze have been cut out.

Thence

N.0°16'W. on true line, on the W. bdy. of sec. 30, N.½.

0.65 A point due West of the ¼ sec. cor. of secs. 19 and 30, hereinafter described.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for closing cor. of secs. 19 and 30, with brass cap mkd.



Land, gently rolling in S. ½, broken and rolling in N. ½. Soil, rocky, 3rd. rate.

Timber, scattered paloverde; undergrowth, greasewood, catclaw and cacti.

N.0°16'W. on true line on the W. bdy. of sec. 19.

Over broken and rolling land, through scattered timber and undergrowth. Asc. gradually along W. slope.

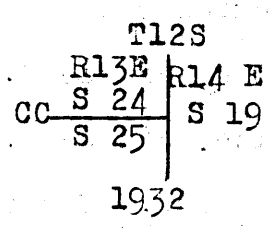
0.33 The original closing cor. of secs. 24 and 25, which is a granite stone 10 x 7 x 6 ins., firmly set in the ground, marked with 2 notches on the S. and 4 notches on the N. faces, and CC on the W. face. Reconstruct this cor. monument as follows:

Resurvey of Part of the West Boundary of T.12 S., R.14 E.

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In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, and in a mound of stone to top, for the closing cor. of secs. 24 and 25, with brass cap mkd.

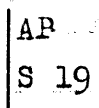


Continue gradual ascent over SW. slope.

- 2.00 Spur, slopes W. Desc. 80 ft. over N. slope.
- 6.50 Draw, course N.75°W. Asc. 20 ft. over S. slope.
- 10.20 Small spur, slopes NW. Desc. 110 ft. over NW. slope.
- 18.30 Draw, course N.80°W. Asc. 110 ft. over SW. slope.
- 23.50 Spur, slopes W. Desc. 140 ft. over N. slope.
- 30.60 Wash, 10 lks. wide, course N.75°W. Over gently rolling land.

38.30 The reconstructed  $\frac{1}{4}$  sec. cor. of sec. 19 only, which is a granite stone 18 x 10 x 8 ins. supported in a small mound of stone, marked  $\frac{1}{4}$  on the W. face. This cor. now functions as an angle point on the W. bdy. of sec. 19; reconstruct the cor monument, and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for angle point on the W. bdy. of sec. 19, with brass cap mkd.



1932

from which

the original bearing trees,

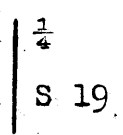
- a paloverde, 6 ins. diam., bears S.71 $\frac{1}{2}$ °W. 290 lks. dist. marked  $\frac{1}{4}$  S BT. I destroy markings on this tree.
- a dead paloverde, 12 ins. diam., bears N.32 $\frac{1}{2}$ °E. 196 lks. dist., markings illegible. I deface the old blaze.

Thence

N.0°03'E. on true line on the W. bdy. of sec. 19, S.  $\frac{1}{2}$ . continuing measurement.

39.00 Desc. 7 ft. into shallow wash, course S.75°W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 19 only, with brass cap mkd.



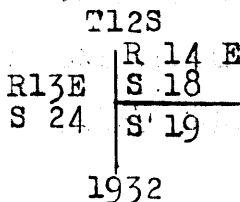
1932



Resurvey of Part of the W. Boundary of T.12 S., R.14 E.

- chains
- raise a mound of stone, 3 ft. base, 2 ft. high E. of cor.
- 43.00 Leave wash, course S.60°W. Over gently rolling land, sloping NW. Desc. gradually.
- 45.80 Old stub road, extends W.
- 62.40 Wash, 10 lks. wide, course N.75°W.
- 66.30 Wash, 20 lks. wide, course S.80°W.
- 78.74 The reconstructed cor. of secs. 18 and 19, which is a granite stone, 22 x 12 x 10 ins., firmly set in the ground, marked with 3 notches on the N. and 3 notches on the S. faces. Reconstruct this cor. monument as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 2 ins. diam, 28 ins. in the ground, for the cor. of secs. 18 and 19 only, with brass cap mkd.



from which

the remaining original bearing trees,

a paloverde, 4 ins. diam., bears S.24°E. 120 lks. dist. old markings rotted out.

a paloverde limb, 4 ins. diam., bears N.85°E. 83 lks. dist., marked T12S R14E S18 BT.

Land, broken hills and rolling mesa.  
 Soil, rocky and gravelly, 3rd. rate.  
 Timber, scattered paloverde; undergrowth, greasewood, catclaw and cacti.

Resurvey of Part of the North Boundary of T.12 S., R.14 E.

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 Retracement for Resurvey  
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- From the original cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.
- East on a random line, bet. secs. 3 and 34, W.  $\frac{1}{2}$ .
- 39.02 Fall 14 lks. N. of original  $\frac{1}{2}$  sec. cor.
- Thence from cor.,
- East on a random line bet. secs. 3 and 34, E.  $\frac{1}{2}$ .
- 39.82 Fall 14 lks. S. of original cor. of secs. 2, 3, 34 and 35.

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 Resurvey  
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The original cor. of secs. 3, 4, 33 and 34 is a granite stone, 12 x 10 x 9 ins. above ground, firmly set,

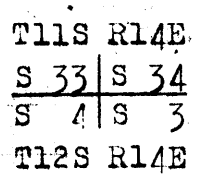
Resurvey of Part of the North Boundary of T.12 S., R.14 E.

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chains

marked with three notches on the E. and W. faces.  
Reconstruct this cor. monument as follows:

In place of the stone, which is deposited alongside,  
set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in  
the ground, for the cor. of secs. 3, 4, 33 and 34, with  
brass cap mkd.



1932

from which  
the remaining original bearing tree,  
a mesquite, 12 ins. diam., bears S. 51 $\frac{1}{2}$ ° W. 100 lks.  
dist., marks partly legible.

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

Thence

S. 89° 48' E. on true line bet. secs. 3 and 34. W.  $\frac{1}{2}$ .

Over sandy wash, through scattered mesquite and dense  
undergrowth.

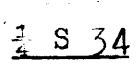
9.00 Magee's residence bears South about 3 chs. dist. Leave  
bottom land, bears N. and S., Asc. 50 ft. over steep W.  
slope.

10.50 Asc. along gradual W. slope of mesa, 150 ft.

33.75 Low hill, bears N. and S. Desc. 55 ft. over NE. slope.

39.02 The original  $\frac{1}{4}$  sec. cor. of secs. 3 and 34, which is a  
granite stone, 18 x 16 x 6 ins., marked  $\frac{1}{4}$  on the N.  
face, supported in a mound of stone and witnessed by a  
mound of stone N. Reconstruct this cor. monument, and  
alter its reference as follows:

In place of the stone, which is deposited alongside,  
set an iron post, 3 ft. long, 1 in. diam., 12 ins. in  
the ground, to bedrock, and in a mound of stone to top,  
for  $\frac{1}{4}$  sec. cor. of sec. 34 only, with brass cap mkd.



1932

Thence

N. 89° 48' E. on true line bet. secs. 3 and 34.

Desc. 30 ft. over E. slope.

2.70 Small ravine, course S. Asc. 105 ft. over SW. slope.

11.70 Spur, slopes N. 60° W. Desc. gradual NE. slope 80 ft.

19.50 Over gentle N. slope.

39.00 Drain, course NW. Asc. 35 ft. over gradual NW. slope.  
granite stone

39.82 The original cor. of secs. 2, 3, 34 and 35, which is a  
10 x 10 x 9 ins. above ground, firmly set, marked with

## Resurvey of Part of the North Boundary of T.12 S., R.14 E.

chains

2 notches on the E. and 4 notches on the W. faces.  
Reconstruct this cor. monument, and alter its reference  
as follows:

In place of the stone, which is deposited alongside,  
set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in  
the ground, to bedrock, and in a mound of stone to top,  
for the cor. of secs. 34 and 35, T.11 S., R.14 E. only,  
with brass cap mkd.

T11S R14E

S 34 | S 35

S 3

T12S

1932

Land, rolling and broken.  
Soil, sandy, gravelly and rocky, 2nd. and 3rd. rate.  
Timber, scattered mesquite and paloverde; undergrowth,  
arrowweed, mesquite, catclaw and cacti.

## Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

## Retracement for Resurvey

From the cor. of secs. 33 and 34, on the S. bdy. of Tp.  
North on a random line bet. secs. 33 and 34.

40.16 Fall 1 lk. E. of the original  $\frac{1}{4}$  sec. cor.

From the cor. of secs. 32 and 33, on the S. bdy. of Tp.  
North on a random line bet. secs. 32 and 33, S.  $\frac{1}{2}$ .

39.80 Fall 24 lks. W. of the original  $\frac{1}{4}$  sec. cor.

Thence from cor.,

North on a random line bet. secs. 32 and 33, N.  $\frac{1}{2}$ .

38.80 Fall 10 lks. W. of the original cor. of secs. 28, 29, 32  
and 33.

Thence from cor.,

West on a random line bet. secs. 29 and 32, E.  $\frac{1}{2}$ .

42.85 Fall 22 lks. S. of the original  $\frac{1}{4}$  sec. cor. of secs. 29  
and 32.

Thence from cor.,

West on a random line bet. secs. 29 and 32, W.  $\frac{1}{2}$ .

36.26 Fall 46 lks. S. of the original cor. of secs. 29, 30, 31  
and 32.

Thence from cor.,

Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

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chains	West on a random line bet.secs. 30 and 31.
40.00	Fail to find the original $\frac{1}{4}$ sec. cor.
79.89	Fall 21 lks. S. of the reconstructed cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp.
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	From the reconstructed cor. of secs. 18 and 19, on the W. bdy. of the Tp.
	East on a random line bet.secs. 18 and 19. W. $\frac{1}{2}$ .
39.40	Fall 2 lks. S. of the original $\frac{1}{4}$ sec. cor.
	Thence from cor.,
	East on a random line bet. secs. 18 and 19, E. $\frac{1}{2}$ .
39.52	Intersect the original cor. of secs. 17, 18, 19 and 20.
	-----
	Thence from cor.,
	East on a random line bet.secs. 17 and 20, W. $\frac{1}{8}$ .
40.00	Fail to find original $\frac{1}{4}$ sec. cor.
80.00	Fail to find the original cor. of secs. 16, 17, 20 and 21.
	Thence from cor.,
	North on a random line bet.secs. 16 and 17.
40.00	Fail to find original $\frac{1}{4}$ sec. cor.
79.00	Fall 121 lks. E. of the original cor. of secs. 8, 9, 16 and 17.
	-----
	Thence from cor.,
	East on a random line bet.secs. 9 and 16, W. $\frac{1}{2}$ .
39.50	Fall 38 lks. N. of the original $\frac{1}{4}$ sec. cor.
	Thence from cor.,
	East on a random line bet.secs. 9 and 16, E. $\frac{1}{2}$ .
38.42	Fall 130 lks. S. of the original cor. of secs. 9, 10, 15 and 16.
	-----
	Thence from cor.,
	North on a random line bet.secs. 9 and 10. S. $\frac{1}{2}$ .
38.22	Fall 31 lks. W. of the original $\frac{1}{4}$ sec. cor.
	Thence from cor.,
	North on a random line bet.secs. 9 and 10, N. $\frac{1}{2}$ .
39.42	Fall 112 lks. W. of the original cor. of secs. 3, 4, 9 and 10.
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Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

chains

Thence from cor.,

North on a random line bet.secs. 3 and 4, S.1/2.

40.10 Fall 56 lks. W. of the original 1/4 sec. cor.

Thence

North on a random line bet.secs. 3 and 4, N.1/2.

40.73 Fall 188 lks. W. of the reconstructed cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.

Resurvey

The reconstructed cor. of secs. 33 and 34, on the S. bdy. of the Tp. is an iron post, 2 ins. diam., 18 ins. above ground, marked and witnessed as described in the official record.

Thence

N.0°01'W. on true line bet.secs. 33 and 34.

Over rolling and broken land, through scattered timber and undergrowth. Asc. 25 ft. over S. slope.

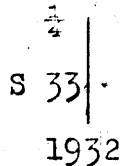
1.50 Low hill, bears E. and W. Along gradual E. slope.

11.50 Low spur, slopes S.10°W. Asc. 180 ft. over broken W. slope.

35.50 Drain, course S.60°W. Asc. 60 ft. over S. slope.

40.16 The original 1/4 sec. cor. of secs. 33 and 34, which is a granite stone, 16 x 10 x 8 ins. above ground, firmly set, marked 1/4 on the W. face. Reconstruct this cor. monument, and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, to bedrock, and in a mound of stone to top, for 1/4 sec. cor. of sec. 33 only, with brass cap mkd.



Land, rolling and broken hills. Soil, rocky, 3rd. rate. Timber, scattered paloverde; undergrowth, greasewood and cacti.

The reconstructed cor. of secs. 32 and 33, on the S. bdy of the Tp. is an iron post, 2 ins. diam., 12 ins. above ground, marked and witnessed as described in the official record.

Thence

N.0°21'E. on true line bet.secs. 32 and 33.

Over rolling and broken mesa, through scattered timber and undergrowth. Desc. 45 ft. over NW. slope, along

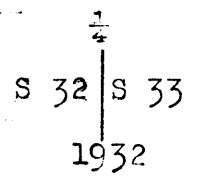
Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

BOOK 3078

- chains wire fencing.
- 4.85 Draw, course SW. Asc. 90 ft. over SE. slope.
- 12.50 Over mesa land, drains SW., asc. gradually 50 ft.
- 23.80 Gully, course SW.
- 35.00 Desc. 90 ft. over N. slope.
- 39.50 Draw, course S.75°W. Asc. 5 ft.

39.80 The original  $\frac{1}{4}$  sec. cor. of secs. 32 and 33, which is a granite stone, 16 x 10 x 6 ins. marked  $\frac{1}{4}$  on the W. face, set in a mound of stone. Reconstruct this cor. monument as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, and in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.



Thence

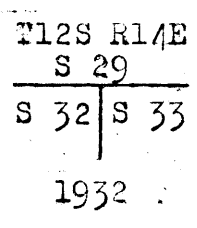
N.0°09'E on true line bet. secs. 32 and 33, N.  $\frac{1}{2}$ .

Asc. S. slope 510 ft.

- 2.35 Wire fencing, bears N.13 $\frac{1}{2}$ °W. and S.13 $\frac{1}{2}$ °E.
- 3.10 Drain, course S.20°W.
- 16.50 Rocky spur, slopes SW. Desc. 210 ft. over NW. slope.
- 24.75 Draw, course S.60°W. Asc. S. slope 585 ft.

38.80 The original cor. of secs. 28, 29, 32 and 33, which is a cross (X) on a small porphyry ledge, marked with 4 notches on the E. and 1 notch on the south. Reconstruct this cor. monument, and alter its reference as follows:

Remove point of porphyry ledge, and in place thereof, set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 32 and 33 only, with brass cap mkd.



Land, broken mesa in the S.  $\frac{1}{2}$ ; rough mountains in N.  $\frac{1}{2}$ .  
 Soil, rocky, 3rd. and 4th. rate.  
 Timber, scattered paloverde; undergrowth, greasewood, catclaw, amole and cacti.

Thence

N.89°42'W. on true line on the N. bdy. of sec. 32, E.  $\frac{1}{2}$ .

## Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

chains

Over mountainous land, through scattered undergrowth.  
Asc. 10 ft. over gradual SE. slope.

- 1.60 Sharp spur, slopes SW. Desc. 355 ft. over W. slope.  
12.35 Draw, course SW. Asc. 45 ft. over broken S. slope.  
23.10 Spur, slopes SW. Desc. 430 ft. over W. slope.  
42.85 The original  $\frac{1}{4}$  sec. cor. of secs. 29 and 32, which is a granite stone, 14 x 6 x 4 ins. above ground, firmly set, marked  $\frac{1}{4}$  on the N. face, and witnessed by a mound of stone N. Reconstruct this cor. monument, and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 32 only, with brass cap mkd.

          
 $\frac{1}{4}$  S 32

1932

Thence

N.89°16'W. on true line on the N. bdy. of sec. 32, W. $\frac{1}{2}$ .

Desc. 10 ft. over W. slope.

- 1.10 Old road, abandoned, bears NW. and S. Thence over nearly level mesa, descending gradually, 100 ft.  
13.35 Drain, course S.10°E.  
18.65 Enter Pima Canyon wash, course SW. Trail bears NE. and SW. Thence through dense mesquite and undergrowth.  
36.26 The original cor. of secs. 29, 30, 31 and 32, which is a granite stone, 12 x 12 x 12 ins. above ground, firmly set, marked with 5 notches on the E. and 1 notch on the S. faces. Reconstruct this cor. monument, and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for the cor. of secs. 31 and 32 only, with brass cap mkd.

T12S R14E

S 30

S 31 | S 32

1932

Land, rough mountains in the E. $\frac{1}{2}$ ; rolling and broken mesa in the W. $\frac{1}{2}$ .

Soil, rocky, and gravelly, 3rd. rate.

Timber, scattered paloverde and mesquite; undergrowth, greasewood, catclaw, amole, cacti, scrub oak.

Thence

N.89°51'W. on true line on the N. bdy. of sec. 31.

Over broken land, through dense mesquite and undergrowth.  
Across Pima Canyon wash, course SW.

Resurvey of Part of the Subdivisions of T.12.S., R.14 E.

BOOK 3978

- chains Desc. gradually over SW. slope.
- 22.00 Leave wash, course S.20°W. Thence over gently rolling mesa.
- 30.35 Road, bears N. and S.
- 31.75 Water tank, bears South about 15 lks. dist.
- 33.50 Arizona Desert School, bears S.51°E. 7.00 chs. dist.,
- 39.30 Old road, bears NE. and S.75°W.
- 39.99 Proportionate dist., Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for the reestablished  $\frac{1}{4}$  cor. of sec. 31 only; with brass cap mkd.

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

1932

raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$  ft. high, S. of cor.

- Desc. gradually over rolling SW. slope, 125 ft.
- 42.00 Drain, course SW.
- 45.75 Trail, bears NW. and SE.
- 74.00 Wash, 10 lks. wide, course S.30°W.
- 79.50 Corner of fencing, bearing South and West.
- 79.89 The reconstructed cor. of secs. 25, 30, 31 and 36, hereinbefore described.

Land, broken and gently rolling mesa.  
 Soil, gravelly and rocky, 3rd. rate.  
 Timber, mesquite and paloverde; undergrowth, greasewood, catclaw, cacti.

From the reconstructed cor. of secs. 18 and 19, on the W. bdy. of the Tp., hereinbefore described.

N.89°58'E. on true line bet. secs. 18 and 19.

Over gently rolling mesa, through scattered timber and undergrowth. Asc. 135 ft. over gradual slope, draining NW.

- 17.00 Wash, 10 lks. wide, course N.
- 24.25 Wash, 10 lks. wide, course N.
- 31.00 Low point of spur, slopes NW. Desc. 20 ft. over N. slope.
- 32.70 Small draw, course NW.
- 39.40 The original  $\frac{1}{4}$  sec. cor. of secs. 18 and 19, which is a granite stone, unmarked, 12 x 12 x 10 ins. above ground, firmly set. Reconstruct this cor. monument, and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 18 only, with brass cap mkd.



## Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

chains

1/4 S 18

1932

from which

the original bearing trees.

A paloverde, 4 ins. diam., bears S.55°W. 115 lks. dist. faintly marked. Deface this tree.

A paloverde, 5 ins. diam., bears N.23½°E. 109 lks. dist. marked 1/4 S 18 BT.

Thence

East on true line on the S. bdy. of sec. 18.

Over N. slope.

- 0.60 Wire fencing, bears N.30°W. and S.30°E.
- 1.50 Gully, course N.60°W. Asc. W. slope 120 ft.
- 10.00 Change of slope to NW., asc. gradually 200 ft.
- 26.00 Gulch, course N.30°W.
- 33.00 Gulch, course N.20°W.
- 36.75 Gulch, course N.20°W.
- 39.52 The original cor. of secs. 17, 18, 19 and 20, which is a granite stone, 14 x 10 x 8 ins. above ground, firmly set, marked with 5 notches on the E. and 3 notches on the S. faces, and witnessed by a mound of stone W. Reconstruct this cor., monument and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 2 ins. diam. 30 ins. in the ground, for the cor. of secs. 17 and 18 only, with brass cap mkd.

T12S R14E

S 18 | S 17

S 19

1932

from which

the original bearing tree,

A paloverde limb, 5 ins. diam., bears N.65½°W. 27 lks. dist., marked T12S R14E S18 BT.

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

Land, rolling and broken mesa.

Soil, rocky, 3rd. rate.

Timber, scattered paloverde; undergrowth, greasewood, catclaw, amole and cacti.

Thence

S.89°17'E. on true line on the S. bdy. of sec. 17.

Over broken land, through scattered timber and undergrowth.

Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

BOOK 3973

chains

Asc. 170 ft. over broken N. and NW. slopes.

10.30 Gully, course N.20°W.

11.75 Gulch, course N.10°W.

18.00 Change of slope to N., Desc. 60 ft.

32.70 Gulch, 50 lks. wide, 15 ft. deep, course N.30°W.  
Asc. 130 ft. over NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for reestablished  $\frac{1}{4}$  sec. cor. of sec. 17, only, with brass cap mkd.

S 17

1932

40.35 Desc. 30 ft. over broken bluff slope of gulch.

42.30 Gulch, course N.30°W. Asc. 420 ft. over NW. slope.

63.00 Gully, course N.80°W. Asc. 800 ft. over increasing W. slope.

75.25 Sharp rocky spur, slopes N.20°W. Desc. 200 ft. over precipitous NE. slope.

80.01 The true point for the reestablishment of the missing cor of secs. 16, 17, 20 and 21 to maintain record distance in departure from the original cor. of secs. 17, 18, 19 and 20 and record distance in latitude from the original cor of secs. 8, 9, 16 and 17. Reestablish this cor. monument, and alter its reference as follows:

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, with a stone marked X deposited alongside, and in a mound of stone to top, for the SE. cor. of sec. 17 only, with brass cap mkd.

T12S R14E

S 17

S 20

Land, rolling and broken in the W.  $\frac{1}{2}$ ; rough and mountainous in the E.  $\frac{1}{2}$ .

Soil, rocky, 4th rate.

Timber, scattered paloverde, laurel and oak; undergrowth, greasewood, catclaw, amole and cacti.

Thence

N.0°52'W. on true line on the E. bdy. of sec. 17.

Over rough mountainous land, through scattered timber and undergrowth. Desc. 500 ft. over precipitous N. slope

12.00 Draw, course N.30°W. Desc. 400 ft. along steep NW. slope.

40.01 Midpoint; Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the reestablished  $\frac{1}{4}$  sec. cor. of sec. 17 only, with brass cap mkd.

S 17

1932

Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

chains

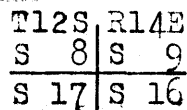
Desc. 600 ft. over decreasing NW. slope.

55.00 Point of spur, slopes NW. Change of slope to N.

75.00 Wash, 50 lks. wide, course NW. Desc. over gradual NW. slope.

80.02 The original cor. of secs. 8, 9, 16 and 17, which is a granite stone 12 x 10 x 8 ins. above ground, firmly set, marked with 4 notches on the S. and 4 notches on the E. faces. Reconstruct this cor. monument as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, and in a mound of stone to top, for the cor. of secs. 8, 9, 16 and 17, with brass cap mkd.



1932

Land, rough mountains in S.  $\frac{1}{2}$ , broken and rolling in N.  $\frac{1}{2}$ . Soil, rocky, 4th. rate.

Timber, scattered oak and paloverde; undergrowth, scrub-oak, greasewood, amole, catclaw and cacti.

Thence

S. 89° 27' E. on true line bet. secs. 9 and 16.

Over mountainous land, through scattered timber and undergrowth. Asc. 45 ft. over gradual NW. slope.

6.00 Drain, course NW. Asc. increasing W. slope 700 ft.

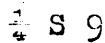
25.00 Change of slope to NW. Continue ascent.

32.00 Change of slope to N., Asc. gradually.

38.00 Head of gully, course N. 20° W. Asc. W. slope 50 ft.

39.50 The original  $\frac{1}{4}$  sec. cor. of secs. 9 and 16, which is a cross X on the N. face of small granite ledge, marked  $\frac{1}{4}$  on N. side thereof. Reconstruct this cor. monument, and alter its reference as follows:

On N. side of ledge, and adjacent thereto, set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 9 only, with brass cap mkd.



1932

Thence

N. 88° 02' E. on true line bet. secs. 9 and 16:

Asc. W. slope 50 ft.

0.90 Granite reef, on spur, slopes N. Desc. 140 ft. over NE. slope.

4.75 Small gully, course N. 30° E. Desc. 100 ft. over decreasing NE. slope.

Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

BOOK 3973

chains

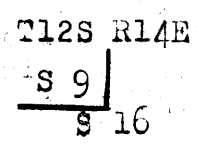
11.00 Gully, course N.10°E.

18.50 Draw, course N., Asc. 215 ft. over NW. slope.

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

38.44 The original cor. of secs. 9, 10, 15 and 16, which is a granite stone, 14 x 8 x 6 ins. above ground, firmly set, marked with 3 notches on the E. and 4 notches on the S. faces. Reconstruct this cor. monument, and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, to bedrock, and in a mound of stone to top, for the SE. cor. of sec. 9 only, with brass cap mkd.



from which two remaining original bearing trees,

A white oak, 9 ins. diam., bears N.20°E. 76 lks. dist. old blaze overgrown.

A white oak, 16 ins. diam., bears S.48½°E. 124 lks. dist. old blaze overgrown.

Land, broken and rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, scattered paloverde and oak; undergrowth, grease-wood, amole, catclaw and cacti.

-----  
Thence

N.0°28'E on true line on the E. bdy. of sec. 9.

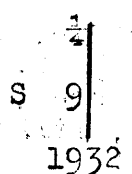
Over mountainous land, through scattered timber and undergrowth. Desc. N. slope 350 ft.

11.50 Draw, course N.50°W. Asc. 245 ft. over SW. slope.

30.50 Spur, slopes NW. Desc. 275 ft. over N. slope.

38.22 The original ¼ sec. cor. of secs. 9 and 10, which is a cross on small outcrop of surface rock, with ¼ S marked adjacent thereto on the W. Reconstruct this cor. monument, and alter its reference as follows:

Over cross set an iron post, 3 ft. long, 1 in. diam., in a mound of stone to top, for ¼ sec. cor. of sec. 9 only, with brass cap mkd.



from which an original bearing tree,

A white oak, 20 ins. diam., bears N.36½°W. 52 lks. dist., old blaze overgrown.

## Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

chains

Thence

N.1°38'E. on true line on the E. bdy. of sec. 9, N.½.

Desc. 525 ft.

20.00 Gully, course NW. Change of slope to NW., continue a gradual descent.

28.25 Wash, 50 lks. wide, course NW. Pools of water in rocky basin bears SE. about 100 lks. dist. Along W. slope.

33.00 Small rocky spur, slopes NW. Desc. 65 ft. over gradual N. slope.

39.43 The original cor. of secs. 3, 4, 9 and 10; which is a granite stone 10 x 10 x 9 ins. above ground, firmly set marked with 3 notches on the W. and 5 notches on the S faces. Reconstruct this cor. monument, and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, to bedrock, and in a mound of stone to top, for the cor. of secs. 4 and 9 only, with brass cap mkd.

T12S R14E

S	4		S	10
S	9			

1932

from which

an original bearing tree,

A mesquite, 12 ins. diam., bears N.34°W. 46 lks. dist. illegibly marked.

Land, mountainous.

Soil, rocky; 3rd. rate.

Timber, scattered oak, paloverde and mesquite; undergrowth, greasewood, amole, catclaw and cacti.

Thence

N.0°48'E. on true line on the E. bdy. of sec. 4.

Over gently sloping mesa, through scattered timber and undergrowth. Desc. 135 ft. over gradual N. slope.

40.10 The original ¼ sec. cor. of secs. 3 and 4, which is a granite stone, 8 x 7 x 6 ins. above ground, firmly set, marked ¼ on the W. face. Reconstruct this cor. monument and alter its reference as follows:

In place of the stone, which is deposited alongside, set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to bedrock, and in a mound of stone to top, for ¼ sec. cor. of sec. 4 only, with brass cap mkd.

S	4		
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1932

from which

Resurvey of Part of the Subdivisions of T.12 S., R.14 E.

BOOK 3978

chains

the remains of the original bearing trees,

A mesquite stump, 6 ins. diam., bears S.60°W. 44 lks. dist.

A mesquite stump, 6 ins. diam., bears N.43°E. 46 lks. dist.

Thence

N.2°39'E. on true line on the E. bdy. of sec. 4, N.1/2.

Desc. 65 ft. over gentle NE. slope.

29.00 Desc. 55 ft. over N. slope.

33.00 Enter wash, course W.

36.60 Wire fencing, extends N. and S.70°E.

38.50 Wire fencing, bears E. and W. and S.

39.55 Road, bears E. and W.

40.77 The reconstructed cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., hereinbefore described.

Land, gently rolling mesa, and sand wash.

Soil, rocky, and sandy, 3rd. rate.

Timber, mesquite and paloverde; undergrowth, greasewood, catclaw and cacti.

Survey of Part of the East Boundary of T.12 S. R.14 E.

The true point for the reestablished cor. of Ts.12 and 13 S., R.14 E., on the W. bdy. of sec. 6, T.13 S., R.15 E., is witnessed by an iron post, 3 ins. diam., West 20 lks. dist., firmly set, marked and witnessed as described in the official record. North thereof 3.08 chs. dist. is the true point for the cor. of Ts.12 and 13 S., R.15 E. which is witnessed by an iron post, 3 ins. diam., South 40 lks. dist., firmly set, marked and witnessed as described in the official record.

Thence from the true point for cor. of Ts.12 and 13 S., R.15 E.

North on true line, on the E. bdy. of sec. 36, continuing measurement from true point for cor. of Ts.12 & 13 S., R.14 E.

Over broken mountainous land, through scattered undergrowth. Asc. 325 ft. over SE. slope, near crest of spur sloping S.

20.75 Over broken bluffs, facing NE. Desc. 100 ft.

25.00 Change of slope to SE. Asc. 335 ft.

34.45 Small rocky spur, slopes SE. Desc. 90 ft. over NE. slope.

39.80 Rocky gulch, course S.65°E. Asc. 10 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the sec. cor. of sec. 36 only, with brass cap mkd.

## East Boundary of T.12 S., R.14 E.

chains

S 36

1932

Asc. 95 ft. over SE. slope.

46.00 Flat rocky spur, slopes S.60°E. Desc. 130 ft. over NE. slope.

57.00 Gulch, course S.75°E. Asc. 110 ft. over S. slope.

59.00 Sharp spur, slopes E. Desc. 140 ft. over precipitous NE. slope.

67.00 Draw, course S.60°E. Asc. 400 ft. over S. slope.

76.00 Flat spur, extends S.75°E. Along E. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 25 and 36 only, with brass cap mkd.

T12S

R14E R15E

S 25

S 36

1932

Land, broken and rough mountains.

Soil, rocky, 3rd. and 4th. rate.

No timber; undergrowth, greasewood, amole, catclaw and cacti.

North on the E. bdy. of sec. 25.

Over broken mountainous land, through scattered timber and undergrowth, Along E. slope.

2.00 Change of slope to N. Desc. 200 ft.

6.10 Draw, at foot of falls 50 ft. high, course S.60°E. Water in pools.

Asc. 300 ft. over SE. slope, along foot of bluff, facing E.

10.00 Leave bluffs, continue ascent.

21.00 Trail, from SE. bears NE.

21.40 Spur, slopes S.25°W. Desc. 30 ft. over NW. slope.

27.30 Trail, bears N.20°W. and S.20°E., in draw, course SW. from N.30°W. Asc. 700 ft. over broken SW. slope.

32.50 Gulch, course SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor., of sec. 25 only, with brass cap mkd.

East Boundary of T.12 S., R.14 E.

BOOK 3973

chains

S 25

1932

Continue ascent 140 ft.

45.85 Spur, slopes S.25°W. Desc. 165 ft. over broken NW.slope.

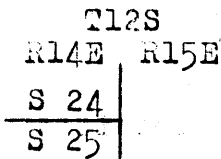
58.30 Draw, course W., Asc. S. slope 400 ft.

71.00 Base of granite bluff 200 ft. high, bearing SW. and N. Along E. slope.

72.25 Asc. 100 ft. over broken ledges, facing SE.

79.40 Draw, course S.25°E. Asc. 30 ft. over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, to bedrock, and in a mound of stone to top, for the cor. of secs. 24 and 25 only, with brass cap mkd.



1932

from which

A white oak, 18 ins. diam., bears S.59½°W. 83 lks. dist. marked T12S R14E S25 BT.

A live oak, 12 ins. diam., bears N.32°W. 132 lks. dist. marked T12S R14E S24 BT.

Land, broken and rough mountains.  
 Soil, rocky, 7th.rate.  
 Timber, scattered oak; undergrowth, greasewood, amole, catclaw and cacti.

North on the E. bdy. of sec. 24.

Over rough mountainous land, through scattered timber. Asc. 320 ft. over S. and SW. slopes.

16.00 Top of broken bluffs, 50 ft. high, facing SW.

17.50 Drain, course SW. Asc. 920 ft. over S. and SE. slopes.

20.00 Enter dense timber and undergrowth, bears SE. and NW.

32.25 Short spur, extends S.25°W. Along W. slope.

39.00 West face of bluff 100 ft. high, extending SE. Asc.40 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, to bedrock, and in a mound of stone to top, for ¼ sec. cor. of secs. 24 only, with brass cap mkd.

S 24

1932

from which



East Boundary of T.12 S., R.14 E.

chains

An oak, 8 ins. diam., bears South. 2 lks. dist.  
 marked  $\frac{1}{4}$  S 24 BT  
 An oak, 6 ins. diam., bears N.  $21^{\circ}$  W. 48 lks. dist.  
 marked  $\frac{1}{4}$  S 24 BT

Asc. 325 ft. over broken bluffs, facing SW.

46.00 Top of bluffs, bear NW. and SE. Asc. 165 ft. over precipitous SW. slope.

50.30 Top of small ledge, 30 ft. high, facing SW. Asc. 50 ft. along steep W. slope.

59.28 Base of granite dyke, 130 ft. high, about 7.50 chs. long, bearing N.  $30^{\circ}$  W. and S.  $30^{\circ}$  E.  
 An aperture through this dyke, known as the 'Window' bears S.  $70^{\circ}$  E. about 1.00 ch. dist.

Thence on traverse along base of dyke.

Bearing	Dist. chs.	Latitude		Departure	
		N.	S.	E.	W.
N. $33^{\circ}30'$ W.	3.44	2.87		1.90	
N. $20^{\circ}30'$ E.	1.11	1.04			0.39
S. $45^{\circ}00'$ E.	2.14		1.51		1.51
Totals		3.91	1.51	1.90	1.90

which gives

61.68 True line. The north base of granite dyke bears South about 1.00 ch. dist. Desc. precipitous NE. slope 815 ft.

78.60 Draw, course NE. from S.  $20^{\circ}$  E. Asc. 50 ft. over granite bluffs, facing SE.

80.00 True point for cor. of secs. 13 and 24 falls upon face of bluff projecting East. The cor. monument cannot be established at this point.

North 1.88 chs. dist, set an iron post, 3 ft. long, 2 in diam., 30 ins. in crevice of granite ledge, for witness cor. to cor. of secs. 13 and 24, with brass cap mkd.

T12S  
 R14E R15E  
 S 13  
 S 24  
 WC  
 1932

from which

A pinon, 8 ins. diam., bears S.  $11^{\circ}$  W. 54 lks. dist., marked T12S R14E S13 WC BT.  
 An oak, 8 ins. diam., bears S.  $22^{\circ}$  W. 125 lks. dist. marked T12S R14E S13 WC BT.

Land, rough mountains.  
 Soil, rocky, 3rd. and 4th. rate.  
 Timber, oak, cedar and pine; undergrowth, oak, manzanita, amole, catclaw and cacti.

Subdivisions of T.12 S., R.14 E.

BOOK 3973

chains

The cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp. is an iron post, 2 ins. diam., 18 ins. above ground, firmly set, marked and witnessed as described in the official record.

Thence

N.0°01'W. bet. secs. 35 and 36.

Over mountainous land, through scattered undergrowth. Asc. 500 ft. over S. slope.

11.60 Change of slope to SW. Asc. 550 ft.

28.00 Sharp rocky spur, slopes S.10°E. Asc. 50 ft. along crest of spur.

35.00 Change of slope to S. Asc. 100 ft.

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

S 35 | S 36  
1932

from which

A mahogany, 10 ins. diam., bears S.87°E. 204 lks. dist. marked  $\frac{1}{4}$  S 36 BT.

A live oak, 10 ins. diam., bears N.59°W. 124 lks. dist. marked  $\frac{1}{4}$  S 35 BT.

Asc. S. slope 420 ft. through scattered timber.

52.20 Change of slope to SW. Asc. 480 ft.

74.50 Change of slope to NW., flat spur, slopes W. Desc. 85 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 25, 26, 35, and 36, with brass cap mkd.

T12S R14E  
S 26 | S 25  
S 35 | S 36

1932

from which

An oak, 6 ins. diam., bears N.56°E. 33 lks. dist., marked T12S R14E S25 BT.

A juniper, 7 ins. diam., bears S.3°E. 44 lks. dist., marked T12S R14E S36 BT.

An oak, 8 ins. diam., bears S.45°W. 67 lks. dist., marked T12S R14E S35 BT.

An oak, 6 ins. diam., bears N.35°W. 46 lks. dist., marked T12S R14E S26 BT.

Land, rolling mountains.

Soil, rocky, 3rd. rate.

Timber, none in S.  $\frac{1}{2}$ , scattered oak, juniper and pinon in N.  $\frac{1}{2}$ ; undergrowth, amole, greasewood, catclaw and cacti.

## Subdivision of T.12 S., R.14 E.

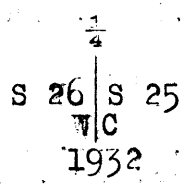
chains	East on a random line bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect the E. bdy. of the Tp. 1/4 lks. N. of the cor. of secs. 25 and 36.
	Thence
	N. $89^{\circ}54'$ W., on true line bet. secs. 25 and 36.
	Over rough mountainous land, through scattered timber and undergrowth. Asc. 1145 ft. over broken E. slope.
35.20	Spur, slopes S. $30^{\circ}$ E. Desc. 35 ft. over broken SW. slope.
37.00	Head of gully, course S. Along S. slope.
39.90	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 25 S 36
	1932
	from which
	An oak, 10 ins. diam., bears North 54 lks. dist., marked $\frac{1}{4}$ S 25 BT.
	An oak, 10 ins. diam., bears S. $19^{\circ}$ W. 20 lks. dist., marked $\frac{1}{4}$ S 36 BT.
	Along broken S. slope; desc. 60 ft.
50.20	Culch, course S. Desc. SW. slope 220 ft.
65.25	Draw, course SE. Asc. E. slope 470 ft.
73.60	Ridge, bears S. $10^{\circ}$ W. to peak, N. $10^{\circ}$ E. to shallow saddle. Desc. 185 ft. over NW. slope.
79.80	The cor. of secs. 25, 26, 35, and 36.
	Land, rough mountains. Soil, rocky, 3rd. and 4th. rate. Timber, scattered oak; undergrowth, amole, catclaw, oak, greasewood and cacti.
	N. $0^{\circ}01'$ W. bet. secs. 25 and 26.
	Over broken mountainous land, through scattered timber and undergrowth.
	Desc. 80 ft. over NW. slope.
6.70	Ravine, course S. $60^{\circ}$ W. Asc. 140 ft. over S. slope.
11.30	Spur, slopes SW. Ascend gradually, 60 ft. over W. slope.
21.70	Small spur, slopes W. Desc. 55 ft. over NW. slope.
29.90	Ravine, course SW. Asc. 425 ft. over precipitous SW. slope.
40.00	True point for $\frac{1}{4}$ sec. cor. falls upon face of bluff, 50 ft. high,
40.30	Top of bluff, bears N. $20^{\circ}$ W. and S. $20^{\circ}$ E., about 4 chs. long.

Subdivision of T.12 S., R.14 E.

BOOK 3973

chains

41.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to bedrock, and in a mound of stone to top, for witness  $\frac{1}{4}$  sec. cor. with brass cap mkd.



from which

A juniper, 9 ins. diam., bears N.16°E. 34 lks. dist., marked  $\frac{1}{4}$  S 25 WC BT.

A pinon, 10 ins. diam., bears N.79°W. 43 lks. dist., marked  $\frac{1}{4}$  S 26 WC BT.

Asc. 350 ft. over SW. slope.

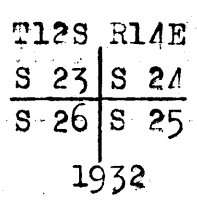
55.00 Change of slope to S. Asc. 420 ft.

66.70 Spur, slopes S.30°E. Asc. 95 ft. over SE. slope.

71.00 Crest of spur, slopes S.10°W. Asc. 85 ft. along spur.

76.00 Change of slope to SW. Asc. gradually.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, and in a mound of stone to top, for the cor. of secs. 23, 24, 25, and 26, with brass cap mkd.



from which

An oak, 10 ins. diam., bears N.53°E. 29 lks. dist., marked T12S R14E S24 BT.

A yellow pine, 9 ins. diam., bears S.2°E. 84 lks. dist., marked T12S R14E S25 BT.

A yellow pine, 14 ins. diam., bears S.34°W. 165 lks. dist., marked T12S R14E S26 BT.

An oak, 9 ins. diam., bears N.58°W. 6 lks. dist., marked T12S R14E S23 BT.

Land, rough mountains.

Soil, rocky, 3rd. and 4th. rate.

Timber, oak, juniper, pinon, pine; undergrowth, oak, manzanita, mahogany, amole, catclaw, cacti.

S.89°54'E., on a random line bet. secs. 24 and 25.

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

79.70 Intersect the E. bdy. of the Tp. 10 lks. N. of the cor. of secs. 24 and 25.

Thence

N.89°50'W., on true line bet. secs. 24 and 25.

Over rough mountains, through scattered timber and undergrowth.

0.30 Draw, course S.30°E. Asc. over precipitous granite bluffs 425 ft. high.

Subdivisions of T.12 S., R.14 E.

chains

- 5.40 Sharp granite spur, extends S. Desc. 825 ft. over precipitous W. slope.
- 20.80 Canyon, course S.10°E. Asc. broken E. slope 825 ft.
- 23.70 Trail, bears N. and SE.
- 39.85 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.

$\frac{1}{4}$   $\frac{S\ 24}{S\ 25}$

1932

from which

A cedar, 14 ins. diam., bears S.14°E. 225 lks. dist., marked  $\frac{1}{4}$  S 25 BT.  
 An oak, 7 ins. diam., bears N.58°E. 49 lks. dist. marked  $\frac{1}{4}$  S 24 BT.

Asc. 1300 ft. over broken SE. slope.

- 78.30 Ridge, bears N.10°E. and S.10°W. Desc. 50 ft. over W. slope.

- 79.70 The cor. of secs. 23, 24, 25, and 26.

Land, rough mountains.  
 Soil, rocky. 3rd. and 4th. rate.  
 Timber, oak, cedar, pinon; undergrowth, oak, manzanita, amole, catclaw and cacti.

N.0°01'W., bet. secs. 23 and 24.

Over mountainous land, through heavy timber and undergrowth.

Asc. 60 ft. over SW. slope.

- 5.30 Over W. slope.
- 10.70 Asc. 45 ft. over SW. slope.
- 18.80 Ridge, bears SE. to peak, and NW. to shallow saddle. Desc. precipitous NE. slope 435 ft.
- 34.70 Gulch, course NE. Over E. 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.

$\frac{1}{4}$   
 S 23 | S 24  
 1932

from which

A yellow pine, 16 ins. diam., bears S.60°E. 43 lks. dist. marked  $\frac{1}{4}$  S 24 BT.  
 A yellow pine, 14 ins. diam., bears N.75°W. 16 lks. dist. marked  $\frac{1}{4}$  S 23 BT.

- 42.60 Gully, course E. Asc. 90 ft. over SE. slope.
- 58.70 Spur. slopes E. Desc. 100 ft. over NE. slope.

Subdivision of T.12 S., R.14 E.

- chains
- 62.20 Ravine, course E. Asc. 15 ft. over SE. slope.
- 65.50 Small spur, slopes N.70°E. Desc. 80 ft. over N. slope.
- 68.50 Ravine, course E. Asc. 100 ft. over SE. slope.
- 76.20 Ridge, bears N.70°E. and S.70°W. Desc. 80 ft. over N. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 13, 14, 23, and 24, with brass cap mkd.

T12S	R14E
S 14	S 13
S 23	S 24

1932

- A pinon, 10 ins. diam., bears N.51 $\frac{1}{2}$ °E. 53 lks. dist., from which marked T12S R14E S13 BT.
- A yellow pine, 7 ins. diam., bears S.18 $\frac{1}{2}$ °E. 35 lks. dist., marked T12S R14 E S24 BT.
- A yellow pine, 8 ins. diam., bears S. 41°W. 32 lks. dist., marked T12S R14E S23 BT;
- A juniper, 10 ins. diam., bears N.31°W. 61 lks. dist., marked T12S R14E S14 BT.

Land, broken mountains.  
 Soil, rocky, 3rd. rate.  
 Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita, catclaw and cacti.

S.89°50'E., on a random line bet. secs. 13 and 24.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.82 Intersect the E. bdy. of the Tp. 10 lks. S. of the true point for the cor. of secs. 13 and 24.

Thence  
 N.89°54'W., on true line bet. secs. 13 and 24.  
 Over rough mountains, through scattered timber and undergrowth. Asc. precipitous E. slope. 470 ft.

- 11.30 Shoulder of spur, from divide, slopes N.30°E. Desc. 70 ft. over NW. slope.
- 16.30 Head of gulch, course N. Asc. 65 ft. over NE. slope.
- 23.00 Flat topped ridge, bears N.70°W. and S.70°E. Desc. 15 ft. over gradual S. slope.
- 27.00 Desc. precipitous SW. slope 570 ft.
- 39.91 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$ S 13
S 24

1932

from which

## Subdivision of T.12 S..R.14 E.

chains

An oak, 6 ins. diam., bears N.42°W. 60 lks. dist.,  
marked  $\frac{1}{4}$  S 13 BT.

An oak, 8 ins. diam., bears S.7°E. 40 lks. dist.,  
marked  $\frac{1}{4}$  S 24 BT.

Desc. 5 ft.

40.00 Gulch, course S.20°W. Asc. 210 ft. over SE. slope.

49.50 Ledge of bluff, 50 ft. high, facing S. Cliffs bear NE.  
and N.70°W. Desc. 230 ft. over SW. slope.

58.40 Head of draw, course S.10°E. Low saddle in divide bears  
north about 3 chs. dist. Asc. 450 ft. over SE. slope.

58.90 Old trail, bears N. and SE.

73.30 Divide, or ridge, bears N.70°E. and S.70°W. Asc. 20 ft.  
over N. slope.

77.00 Small spur, slopes N. Desc. 20 ft. over NW. slope.

79.50 Drain, course N.

79.82 The cor. of secs. 13, 14, 23, and 24.

Land, broken mountains.

Soil, rocky, 3rd. and 4th. rate.

Timber, oak, pine, pinon and cedar; undergrowth, oak,  
manzanita, catclaw.

-----  
The cor. of secs. 34 and 35, on the S. bdy. of the Tp.  
is an iron post, 2 ins. diam., 24 ins. above ground,  
firmly set in a mound of stone, marked and witnessed as  
described in the official record.

Thence

N.0°01'W., bet. secs. 34 and 35.

Over rough mountains, through scattered timber and under-  
growth. Asc. 910 ft. over increasing S. slope.

3.60 Gully, course S.10°E.

21.00 Rocky spur, slopes S.70°W. Desc. 620 ft. over NW. slope.

24.60 Old stub trail, bears NE. and W.

38.10 Draw, course S.70°W. Asc. 60 ft. over S. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the  
ground, to bedrock, with stone marked X deposited  
alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec.  
cor., with brass cap mkd.

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

1932

Asc. 700 ft. over S. slope.

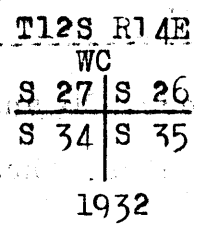
59.50 Sharp rocky spur, slopes S.60°W. Desc. 310 ft. over  
broken NW. slope.

79.95 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the

Subdivision of T.12 S..R.14 E.

chains

ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for witness cor. to true point for cor. of secs. 26,27,34, and 35, with brass cap mkd.



80.00 True point for cor. of secs. 26,27,34, and 35, falls upon sloping granite ledge 5 ft. high, facing NW., an impracticable position for a cor. monument.

Land, rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, very scattered paloverde; undergrowth, amole, catclaw and cacti.

East, on a random line bet. secs. 26 and 35.

40.00 Set temp. 1/4 sec. cor.

79.98 Intersect N. and S. line 10 lks. S. of the cor. of secs. 25,26,35, and 36.

Thence

S.89°56'W., on true line bet. secs. 26 and 35.

Over broken mountains, through scattered timber and undergrowth. Desc. 265 ft. over NW. slope.

9.70 Ravine, course SW. Along S. slope.

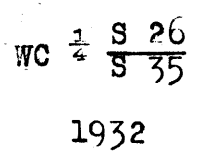
15.50 Shoulder of spur, from N.70°E. breaks abruptly to SW. Desc. 135 ft. over W. slope.

18.40 Draw, course S.20°W. Asc. 175 ft. over SE. slope.

23.25 Change of slope to S.

29.00 Change of slope to SW. Desc. 250 ft.

39.39 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, to bedrock, with stone marked with X deposited alongside, and in a mound of stone to top, for witness 1/4 sec. cor. with brass cap mkd.



39.99 True point for 1/4 sec. cor. falls upon broken bluff, about 20 ft. high, facing SW.

Desc. SW. slope 170 ft.

46.20 Ravine, course S.10°W. Asc. 300 ft. over E. slope.

57.00 Change of slope to SE.

59.50 Spur, slopes SW. Desc. 855 ft. over broken W. slope.

79.98 The true point for the cor. of secs. 26,27,34, and 35.



Subdivision of T.12 S., R.14 E.

chains

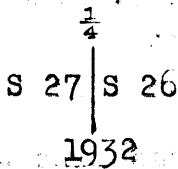
Land, rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, scattered oak in E.  $\frac{1}{2}$ , none in W.  $\frac{1}{2}$ ; undergrowth, amole, catclaw, cacti, scrub-oak, and mahogany.

N.0°01'W., bet. secs. 26 and 27.

Over rough mountains, through scattered timber and undergrowth.

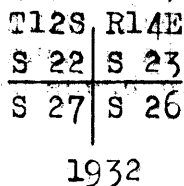
Along W. slope.

- 2.00 Draw, course S.20°W. Asc. 1320 ft. over SE. slope.
- 19.00 Top of bluff, 100 ft. high, bearing NE. and SW.
- 21.85 Top of spur, sloping SW. Desc. 660 ft. over precipitous NW. slope.
- 24.00 Top of bluff, 100 ft. high, bearing NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bedrock, with a stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.



Desc. 330 ft. over broken ledges, facing NW.

- 46.50 Draw, course SW. Asc. 1250 ft. over precipitous SE. slope.
- 71.60 Small spur, slopes S.30°E. Continue ascent over gradual slope.
- 79.80 Drain, course SE. Change of slope to S. Asc. 5 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, to bedrock, and in a mound of stone to top, for the cor. of secs. 22, 23, 26, and 27, with brass cap mkd.



from which

- An oak, 8 ins. diam., bears N.55°E. 150 lks. dist., marked T12S R14E S23 BT.
- An oak, 8 ins. diam., bears S.79°E. 245 lks. dist., marked T12S R14E S26 BT.
- An oak, 8 ins. diam., bears S.41°W. 25 lks. dist., marked T12S R14E S27 BT.

Land, rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, scattered paloverde and oak; undergrowth, amole, greasewood and cacti.

Subdivisions of T.12 S..R.14 E.

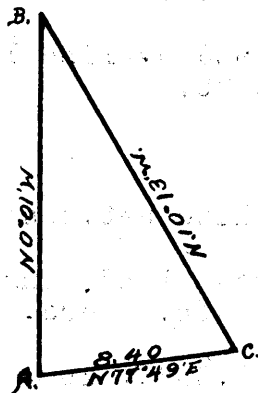
BOOK 3973

chains	N.89°56'E., on a random line bet.secs. 23 and 26.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 10 lks. N. of the cor. of secs. 23,24,25,and 26.
	Thence
	West, on true line bet.secs. 23 and 26.
	Over mountainous land, through heavy timber and scattered undergrowth. Desc. W. slope 650 ft.
19.70	Draw. course S.30°W. Asc. 70 ft. over SE.slope.
23.00	Rocky point of spur, slopes abruptly S. Desc.precipitous SW. slope 440 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam.,12 ins. in the ground, to bedrock, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.
	$\frac{1}{4} \begin{matrix} S 23 \\ S 26 \end{matrix}$
	1932
	from which
	An oak, 12 ins. diam.,bears N.20°W. 38 lks. dist., marked 1/4 S 23 BT.
	A pinon, 10 ins. diam.,bears S.19°W. 43 lks. dist., marked 1/4 S 26 BT.
40.10	Gully, course S. Asc. 280 ft. over SE. slope.
50.80	Top of bluff 75 ft. high, bears NE. and S.70°W. Desc. gradual SW. slope. 30 ft.
53.50	Top of broken bluff, bears N. and SE. Desc. 100 ft.
54.50	Gulch, course S. Asc. 80 ft. over bluffs facing E.
56.00	Rim of bluffs, bearing N. and NW. Over precipitous S. slope. Desc. 225 ft.
70.00	Leave breaks, bear NE. and SW. Along rolling SW.slope.
80.00	The cor. of secs. 22,23,26, and 27.
	Land, broken and rough mountains. Soil, rocky. 3rd. and 4th. rate. Timber, oak, pinon and pine; undergrowth, oak, manzanita amole, catclaw and cacti.
-----	
	N.0°01'W.,bet.secs. 22 and 23.
	Over mountainous land, through scattered timber and undergrowth. Asc. 245 ft. over S. slope.
7.00	Sharp ridge, slopes SW. to narrow saddle, and rises steeply NE.
7.06	Precipitous breaks to the N. prevent further direct measurement. Set a flag A at this station, and establish a flag B on line to the N. From A. flag C. bears N.77°49'E. 8.40 chs. dist.,

Subdivisions of T.12 S., R.14 E.

chains

From C. flag B. bears N.10°13'W.  
 From B. the angle of elevation to flag A. is 4°.



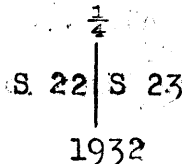
All angles by repetition; closing error balanced to 180°.

Computed distance;: 47.406

54.466 Point B.

Thence by return measurement, 14.466 chs. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.



Over broken W. slope, Desc. 50 ft.

49.40 Rocky gulch, course W. Asc. 430 ft. over precipitous S. slope.

53.40 Top of bluff, 150 ft. high, bearing E. and W. Continue ascent over S. slope.

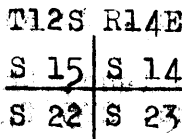
56.00 Short spur, slopes W. Desc. 40 ft. over NW. slope.

60.00 Rim of bluff, 50 ft. high, bears NE. and SW. Desc. 245 ft. over broken NW. slope.

68.10 Rocky gulch, course W. Asc. 145 ft. over SW. slope.

76.50 Sharp point of bluffs, 20 ft. high, bearing NE and SE. Rocky spur, slopes W. Desc. 110 ft. over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 14, 15, 22, and 23, with brass cap mkd.



1932

from which

A cedar, 20 ins. diam., bears N.14°E. 52 lks. dist., marked T12S R14E S14 BT.  
 A pinon, 8 ins. diam., bears S.7°E. 75 lks. dist., marked T12S R14E S23 BT.

Subdivisions of T.12 S., R.14 E.

BOOK 3973

chains

A pinon, 7 ins. diam., bears S.6°W. 71 lks. dist., marked T12S R14E S22 BT.  
A pinon, 7 ins. diam., bears N.35°W. 72 lks. dist., marked T12S R14E S15 BT.

Land, rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, oak, pinon and cedar; undergrowth, oak, manzanita, catclaw and cacti.

East, on a random line bet. secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

79.96 Intersect N. and S. line 5 lks. N. of the cor. of secs. 13, 14, 23, and 24.

Thence

N.89°58'W., on true line bet. secs. 14 and 23.

Over mountainous land, through heavy timber and scattered undergrowth. Asc. 35 ft. over NE. slope.

2.40 Short spur, slopes N. Desc. 95 ft. over NW. slope.

7.40 Ravine, course N.30°E. Asc. 125 ft. over E. slope.

12.10 Spur, slopes N.10°E. Desc. 200 ft. over W. slope.

17.60 Ravine, course N.30°W. Asc. 30 ft.

20.00 Point of spur, slopes N. Desc. 150 ft. over NW. slope.

25.50 Draw, course N.25°E. Asc. 450 ft. over E. slope.

33.00 Change of slope to NE.

36.00 Spur, slopes N. Desc. 65 ft. over NW. slope.

39.85 Ravine, course N. Asc. 5 ft.

39.98 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor. with brass cap mkd.

1/4 S 14  
S 23

1932

from which

A pinon, 8 ins. diam., bears N.28°W. 49 lks. dist., marked 1/4 S 14 BT

A pinon, 6 ins. diam., bears S.64°W. 27 lks. dist., marked 1/4 S 23 BT

Asc. 130 ft. over steep NE. slope.

45.00 Sharp ridge, bears N.60°W. and S.60°E. Desc. 280 ft. over SW. slope.

62.00 Along short spur, extending W.

67.89 Set flag A for future reference. Desc. 465 ft., over precipitous W. slope.

76.50 Draw, course N.20°W. Asc. 30 ft. over NE. slope.

78.00 Small spur, slopes N. Desc. 35 ft. over NW. slope.

Subdivisions of T.12 S., R.14 E.

chains

79.96 The cor. of secs. 14, 15, 22, and 23.

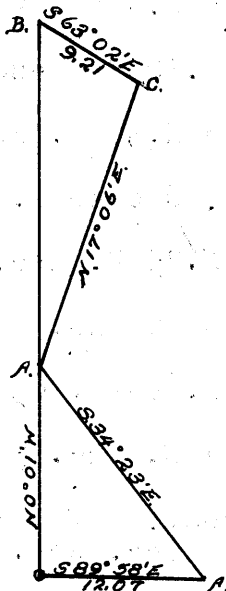
Land, rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, oak, pine and cedar; undergrowth, oak, manzanita, amole and cacti.

N.0°01'W., bet. secs. 14 and 15.

Over mountainous land, through scattered timber and undergrowth.

To determine the distance across the gorge of Pima Canyon, which courses southwesterly about 8.00 chs. N. of this station, set a flag A upon W. slope of rocky peak, on line N. of this cor. From station A, flag 'A' established S.89°58'E. 12.07 chs. dist., from the cor. of secs. 14, 15, 22, and 23, bears S.34°23'E. From this station, A. the angle of depression to the cor. of secs. 14, 15, 22, and 23 is 12°.

Direct measurement to the north is not possible; set a flag B. N.0°01'W. and a second flag C. opposite therefrom bears N.17°06'E. From B. flag C. bears S.63°02'E. 9.21 chs. dist. The angle of elevation from B. to A. is 30°.



All angles by repetition; error balanced to 180°.

Computed distances: to A. 17.61 chs. ✓  
A. to B. 30.83 chs. ✓

17.64 Point A. West top of rocky peak on Pusch Ridge, bearing E. and SW. Broken bluffs and cliffs, 200 to 500 ft. high, bear NE. and SW.

48.47 Point B.

Thence by return measurement 8.67 chs.

39.80 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness 1/4 sec. cor. with brass cap mkd.

1/4  
WC

S 15 | S 14

1932

from which

Subdivisions of T.12 S., R.14 E.

BOOK 3978

chains

A pine, 10 ins. diam., bears N.84°E. 28 lks. dist., marked 1/4 S 14 WC BT.  
A cedar, 8 ins. diam., bears N.62°W. 14 lks. dist., marked 1/4 S 15 WC BT.

Desc. 120 ft. over NE. slope.

40.00 True point for 1/4 sec. cor. falls upon granite bluff, sloping NE. an impracticable position for a cor. monument.

42.60 Draw, course N.20°W. Asc. 90 ft. over granite bluffs, facing SW.

48.50 Rocky point of spur, slopes N.60°W. Desc. 150 ft. over broken bluffs, bearing NE. and SW.

53.50 Gulch, course N.70°W. Asc. 100 ft. over SW. slope.

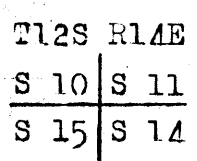
59.00 Short spur, slopes W. Desc. 450 ft. over precipitous W. slope.

70.00 Draw, course N.30°E. Along E. slope.

72.50 Point of spur, slopes NE. Desc. 50 ft. over NE. slope.

76.00 Draw, course N.30°W. Asc. 50 ft. over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, to bedrock, and in a mound of stone to top, for the cor. of secs. 10, 11, 14, and 15, with brass cap mkd.



1932

from which  
An oak, 14 ins. diam., bears S.19°E. 163 lks. dist., marked T12S R14E S14 BT.  
An oak, 10 ins. diam., bears S.14 1/2°W. 36 lks. dist., marked T12S R14E S15 BT.  
An oak, 16 ins. diam., bears N.79°W. 179 lks. dist., marked T12S R14E S10 BT.

Land, rough and precipitous mountains.  
Soil, rocky, 4th. rate.  
Timber, oak, pinon, cedar; undergrowth, oak, manzanita, greasewood, amole and cacti.

N.0°01'W., bet. secs. 10 and 11.

Over mountainous land, through scattered timber and undergrowth. Asc. 25 ft. over bluff.

0.50 Point of rocky ledge, on small spur, sloping W. Desc. 80 ft. over NW. slope.

4.00 Gulch, course W. Over broken W. slope. Desc. 260 ft.

14.00 Draw, course S.70°W. Asc. 320 ft. over S. slope.

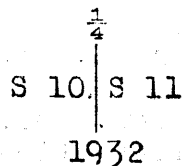
21.00 Spur, slopes S.70°W. Desc. 50 ft. over NW. slope.

24.20 Gully, course S.70°W. Asc. 210 ft. over SW. slope.

Subdivisions of T.12 S..R.14 E.

chains

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.



An oak, 8 ins. diam., bears N, 17 $\frac{1}{2}$ ° E. 149 lks. dist., from which marked  $\frac{1}{4}$  S 11 BT.

Asc. 45 ft. over SW. slope.

44.40 Spur, slopes West to saddle, about 5 chs. dist. Desc. 500 ft. over NW. slope.

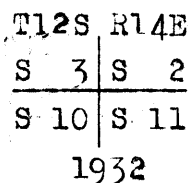
49.90 Gully, course N.20°W.

70.50 Ravine, course N.70°W. Asc. 55 ft. over SW. slope.

73.40 Small spur, slopes N.70°W. Desc. 80 ft. over NW. slope.

78.50 Gully, course W. Asc. 60 ft. over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 2, 3, 10, and 11, with brass cap mkd.



An oak, 9 ins. diam. bears N.80°E. 136 lks. dist., marked T12S R14E S2 BT.  
An oak, 12 ins. diam., bears S.10 $\frac{3}{4}$ °E. 210 lks. dist., marked T12S R14E S11 BT.  
An oak, 10 ins. diam., bears S.43°W. 188 lks. dist., marked T12S R14E S10 BT.

Land, rough and rolling mountains.  
Soil, rocky, 3rd. rate.  
Timber, scattered oak; undergrowth, amole, greasewood, catclaw and cacti.

N.0°01'W., on true line bet. secs. 2 and 3.

Over mountainous land, through scattered timber. Asc. 90 ft. over SW. slope.

9.10 Rocky spur, slopes N.50°W. Desc. 580 ft. over NW. slope.

30.65 Trail, bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

Subdivisions of T.12 S., R.14 E.

BOOK 8973

chains

$$\begin{array}{c} \frac{1}{4} \\ \hline S \ 3 \ | \ S \ 2 \\ \hline 1932 \end{array}$$

An oak, 14 ins. diam., bears N.5°E.160 lks. dist. from which ✓  
 marked  $\frac{1}{4}$  S 2 BT.

Along W. slope.

- 41.30 Spur, extends N.40°W. Desc. 575 ft. over N. slope.
- 53.90 Drain, course N.15°W.
- 63.00 Draw, water in pools, course N.65°W. Asc. 165 ft. over S. slope.
- 69.00 Small spur, slopes N.70°W. Desc. 125 ft. over N. slope.
- 73.15 Wire fencing, bears E. and W.
- 76.83 Intersect N. bdy. of Tp.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for closing cor. of secs. 2 and 3, with brass cap mkd.

$$\begin{array}{c} T11S \ R14E \\ \hline S \ 35 \\ \hline S \ 3 \ | \ S \ 2 \\ \hline T12S \ R14E \\ \hline CC \\ \hline 1932 \end{array}$$

From point of intersection the reconstructed cor. of secs. 34 and 35, T.11 S., R.14 E. hereinbefore described bears West 4.13 chs. dist.

Land, broken and rolling mountains.  
 Soil, rocky, 3rd. rate.  
 Timber, scattered oak in S.  $\frac{1}{4}$ , paloverde in N.  $\frac{1}{4}$ ; undergrowth, amole, cacti, catclaw and greasewood.

At a point 40 chs. in W. departure from the closing cor. of secs. 2 and 3, N.89°48'E. 3.95 chs. dist. from the reconstructed S.  $\frac{1}{4}$  sec. cor. of sec. 34, hereinbefore described, set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 3 only, with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \ S \ 3 \\ \hline 1932 \end{array}$$

From the reconstructed  $\frac{1}{4}$  sec. cor. on the E. bdy. of sec. 33, hereinbefore described.

N.0°01'W., on true line, on the E. bdy. of sec. 33; a projection of the resurveyed S.  $\frac{1}{2}$  of the E. bdy. of said sec., N.  $\frac{1}{2}$ .

Over mountainous land, through scattered timber and undergrowth. Asc. 800 ft. over S. and SW. slopes.

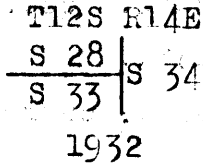
- 20.35 Rocky spur, slopes S.65°W. Desc. 345 ft. over NW. and N. slopes, through scattered oak timber.
- 36.20 Draw, course S.80°W. Asc. 95 ft. over S. slope.



chains

38.19 A point S.89°57'E. (parallel to mean S. bdy. of sec.33) 79.22 chs. dist. from the reconstructed cor. of secs. 32 and 33, hereinbefore described.

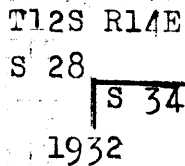
Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 28 and 33 only, with brass cap mkd.



Continue line and measurement.

39.23 A point due west of true point for cor. of secs. 26, 27, 34, and 35, 84.06 chs. dist.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for the NW. cor. of sec. 34 only, with brass cap mkd.

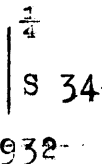


A mesquite, 8 ins. diam., bears S.1°E. 8 lks. dist., marked T12S R14E S34 BT. from which

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

Land, broken mountains.  
 Soil, rocky, 3rd. rate.  
 Timber, scattered paloverde, oak and mesquite; undergrowth, greasewood, catclaw, cacti, amole.

At a point 40 chs. in S. latitude from the NW. cor. of sec. 34, S.0°01'E. 0.77 chs. dist. from the reconstructed E. 1/4 sec. cor. of sec. 33, hereinbefore described, set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. of sec. 34 only, with brass cap mkd.



From true point for cor. of secs. 26, 27, 34, and 35.

West, on true line bet. secs. 27 and 34.

Over rough mountains, through scattered undergrowth. Desc. 20 ft. over W. slope.

0.80 Draw, course S.40°W. Asc. 405 ft. over precipitous SE. slope.

Subdivisions of T.12 S..R.14 E.

chains

20.90 Sharp spur, slopes S.50°W. Desc. 750 ft. over NW. slope.

36.00 Change of slope to W. Continue descent.

39.90 Enter draw, course S.20°W.

40.00 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.

$\frac{1}{4}$   $\frac{S\ 27}{S\ 34}$

1932

raise a mound

of stone 3 ft. base, 2 ft. high, N. of cor.

Across rocky wash, course S.20°W.

42.00 Leave draw, asc. 30 ft. over E. slope.

43.00 Point of rocky spur, slopes S. Desc. 15 ft.

44.00 Gulch, course S.30°E. Asc. precipitous E. slope 750 ft.

58.10 Top of bluff, 100 ft. high, apex of spur, slopes SW. Desc. 720 ft. over NW. slope.

76.40 Draw, course S.60°W. Thence along S. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, with stone marked X deposited alongside; and in a mound of stone to top, for the cor. of secs. 27 and 28 only, with brass cap mkd.

T12S R14E  
S 28 | S 27  
-----  
S 34

1932

Continue line and measurement, bet. secs. 28 and 34.

84.06 The NW. cor. of sec. 34, hereinbefore described.

Land, rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, scattered paloverde; undergrowth, greasewood, amole, cacti and catclaw.

-----

From the cor. of secs. 28 and 33, hereinbefore described.

N.89°57'W., on true line on N. bdy. of sec. 33, parallel to mean S. bdy. of said section.

Over rough mountainous land, through scattered timber and undergrowth.

Along broken S. slope.

6.00 Gulch, course S. Asc. 700 ft. over E. slope.

21.00 Top of bluff, 150 ft. high, bearing NE. and SW. Asc. 20 ft. over SE. slope.

24.00 Spur, slopes S.25°W. Desc. 450 ft. over broken bluffs, bearing NW. and SE.

## Subdivisions of T.12 S., R.14 E.

chains

32.50 Small spur, slopes SW. Desc. 180 ft. over SW.slope.

35.94 (40 chs. in W. departure from the cor. of secs. 27 and 28) Set an iron post, 3 ft. long, 1 in., diam., on bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 28 only, with brass cap mkd. $\frac{1}{4}$  S 28

1932

37.20 Ravine. course S.25°W. Asc. 50 ft. over SE.slope.

39.61 Mid-point; Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, to bedrock, with stone marked X deposited alongside; and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 33 only, with brass cap mkd. $\frac{1}{4}$  S 33

1932

40.00 Spur, slopes S.30°W. Desc. 205 ft. over SW. slope.

44.60 Gully. course S.

50.65 Gulch, course S. Asc. 380 ft. over E. slope.

60.10 Spur, slopes S. Desc. 180 ft. over SW, slope.

69.70 Ravine, course S. Asc. 60 ft. over rolling E. slope.

75.90 Change of slope to S. Small spur, slopes S.

75.94 (80 chs. in W. departure from the cor. of secs. 27 and 28) Set an iron post, 3 ft. long, 2 ins. diam., on bedrock, with stone marked with X deposited alongside, and in a mound of stone to top, for the cor. of secs. 28 and 29 only, with brass cap mkd.

T12S R14E

S 29 | S 28

S 33

1932

76.50 Desc. 50 ft. over SW. slope.

79.22 The reconstructed cor. of secs. 32 and 33, hereinbefore described.

Land, rough mountains.

Soil, rocky, 3rd. and 4th. rate.

Timber, scattered paloverde; undergrowth, greasewood, amole, cacti and catclaw.

-----

At a point S.89°42'E 6.10 chs. dist. from the N.  $\frac{1}{4}$  sec. cor. of sec. 32, hereinbefore described, (40 chs. in W. departure from the cor. of secs. 28 and 29) set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 29 only, with brass cap mkd.

Subdivisions of T.12 S., R.14 E.

BOOK 3973

chains

1/4 S 29

1932

At a point S.89°16'E. 2.36 chs. dist. from the reconstructed cor. of secs. 31 and 32, hereinbefore described, ( 80 chs. in W. departure from the cor. of secs. 28 and 29), set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 29 and 30 only, with brass cap mkd.

T12S R14E

S 30 | S 29

S 32

1932

At a point S.89°51'E. 2.35 chs. dist. from the reestablished N. 1/4 sec. cor. of sec. 31, hereinbefore described, ( 40 chs. in W. departure from the cor. of secs. 29 and 30) set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 30 only, with brass cap mkd.

1/4 S 30

1932

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

From the cor. of secs. 27 and 28, hereinbefore described. N.0°02'W., bet. secs. 27 and 28.

Over rough mountainous land, through scattered timber and undergrowth. Asc. 825 ft. over S. slope.

21.20 Flat spur, slopes SW. Asc. 665 ft. over increasing SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.

1/4

S 28 | S 27

1932

Continue ascent 265 ft. over SW. slope.

45.90 Bluff point of spur, from N. Ridge bears W. and N. spur slopes S.30°E. Asc. 15 ft. along ridge.

50.00 Ridge, bears NE. and S. Along Precipitous W. slope.

51.27 Top of broken bluffs, bearing NE. and SW. Desc. 1200 ft. over precipitous NW. slope.

76.00 Gully, course NW. Continue descent.

## Subdivisions of T.12 S., R.14 E.

chains

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 2 1/4 ins. in the ground, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 21, 22, 27, and 28, with brass cap mkd.

T12S R14E	
S 21	S 22
S 28	S 27

1932

Land, rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, scattered paloverde; undergrowth, amole, cacti and greasewood.

East, on a random line bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.,

80.28 Intersect N. and S. line 3 lks. N. of the cor. of secs. 22, 23, 26, and 27.

Thence

N. 89° 59' W., on true line bet. secs. 22 and 27.

Over rough mountains, through scattered timber and undergrowth. Along S. slope.

0.50 Gully, course SE. Asc. 300 ft. over E. slope.

8.00 Sharp ridge, slopes steeply NE. to saddle, and rises abruptly in a series of bluffs to peak S. 60° W.  
Asc. 350 ft. over broken bluffs and ledges, facing N. and NE.

12.00 Precipitous gulch, course N. 20° E. Change of slope to E., continue ascent over broken ledges.

22.60 Sharp granite dyke, extends N. 30° E. Over precipitous N. slope of bluff peak of ridge.

24.00 Short spur, slopes N. 50° W. Desc. 40 ft.

26.00 Top of bluffs, bearing N. and S. Desc. 850 ft. over precipitous W. slope.

40.14 Set an iron post, 3 ft. long, 1 in. diam., 1 1/4 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.

1/4	S 22
	S 27

1932

from which

A pinon, 6 ins. diam., bears N. 46° E. 25 lks. dist.,  
marked 1/4 S 22 BT  
An oak, 10 ins. diam., bears S. 81° E. 73 lks. dist.,  
marked 1/4 S 27 BT

Continue descent, 980 ft. over precipitous W. slope.

71.25 Gulch, course NW. Asc. 120 ft. over steep N.E. slope.

Subdivisions of T.12 S..R.14 E.

BOOK 3973

chains

76.00 Bluff point of spur, slopes steeply N. Desc. 100 ft. over broken bluffs.

80.00 Foot of bluff, bears N. and S.

80.28 The cor. of secs. 21,22,27, and 28.

Land, rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, pinon and oak in E. 1/2, scattered paloverde in W. 1/2.  
Undergrowth, amole, cacti, greasewood, manzanita and scruboak.

N.0°02'W., bet. secs. 21 and 22.

Over rough mountains, through scattered timber and undergrowth. Desc. 260 ft. over NW. slope.

6.75 Gulch, 15 lks. wide, course NW. Asc. 105 ft. over SW. slope.

7.75 Point of spur, slopes NW. Desc. 60 ft. over NW. slope.

8.75 Gulch, course NW. Asc. 40 ft. over SW. slope.

9.40 Short spur, slopes NW. Desc. 85 ft. over NW. slope.

17.25 Enter canyon bottom, course SW.

21.75 Wash, 60 lks. wide, course SW., Pima Canyon bed,

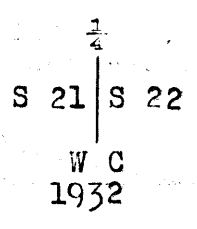
22.25 Leave draw, course SW. Asc. 145 ft. over SE. slope.

30.45 Short spur, slopes S.30°E. Desc. 15 ft.

31.00 Gully, course SE. Asc. 240 ft. over S. slope.

40.00 True point for 1/4 sec. cor. falls upon sloping granite ledge, facing S. The cor. monument cannot be permanently established at this point.

40.20 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for witness 1/4 sec. cor. with brass cap mkd.



Asc. 1780 ft. over S. slope.

61.00 Top of cliff, 60 ft. high, bearing NE. and W. Continue ascent through scattered pinon and cedar timber.

79.60 Crest of Pusch Ridge, bears NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 15,16,21, and 22, with brass cap mkd.

Subdivisions of T:12 S.:R.14 E.

chains

T12S R14E  
 S 16 | S 15  
 S 21 | S 22

1932

An oak, 4 ins. diam., bears N.42 $\frac{1}{2}$ °E. 40 lks. dist., marked BT. from which  
 A pinon, 6 ins. diam., bears S.49°W. 62 lks. dist., marked T12S R14E S21 BT.  
 A pinon, 5 ins. diam., bears N.12°W. 40 lks. dist., marked S 16 BT.  
 No other tree available.

Land, rough mountains.  
 Soil, rocky, 3rd. and 4th. rate.  
 Timber, scattered paloverde, oak, pinon and cedar.  
 Undergrowth, amole, greasewood, and cacti.

S.89°59'E., on a random line bet. secs. 15 and 22.

7.64 Top of cliff, 200 ft. high, bearing NE. and SW. Direct measurement of this line to the E. is not possible.

The cor. of secs. 14, 15, 22, and 23 bears N.89°47'E. North 2.5 lks. dist., set a flag A on true line, N.80°48'E. 7.64 chs. dist. from the cor. of secs. 15, 16, 21, and 22. from which

Flag A, established at 7.06 chs. N.0°01'W. of the cor. of secs. 22, 23, 26 and 27 bears S.44°59'E., and flag A established at 17.64 chs. N.0°01'W. of the cor. of secs. 14, 15, 22, and 23, bears N.76°09'E.

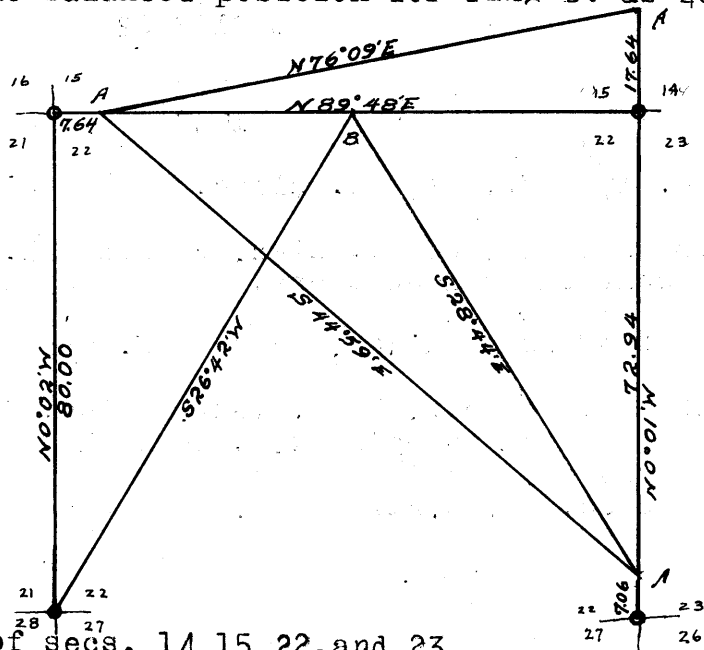
The computed distances are, respectively 72.62 and 72.58 chs., which gives for the mean: 72.60 chs., The angle of depression to the cor. of secs. 14, 15, 22, and 23 is 4 $\frac{1}{2}$ °.

On true line establish a flag B. at the estimated position for the  $\frac{1}{2}$  sec. cor.

From B. Flag A. bet. secs. 22 and 23, bears S.28°44'E. and the cor. of secs. 21, 22, 27, and 28 bears S.26°42'W.

The computed distances are, respectively 39.89 chs. and 40.35 chs., the total being 80.22 chs., which gives the balanced position for Flag B. as 40.35 chs.

40.35 Flag B.



80.24 The cor. of secs. 14, 15, 22, and 23.

chains

Thence  
 S.89°48'W., on true line bet. secs. 15 and 22.  
 Over rough mountainous land, through scattered timber and undergrowth, estimating topography.

4.00 Bluff rim of Pima Canyon, bears N.60°E. and S.60°W. Desc. 400 ft. over precipitous NW. slope.

10.50 Pima Canyon, course SW. Asc. 300 ft. along precipitous SE, slope.

26.00 Sharp rocky spur, slopes S. Desc. 300 ft. over SW. slope.

39.89 Flag B. Thence by direct measurement.

40.12 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

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

An oak, 4 ins. diam., bears N.26°W. 69 lks. dist., mkd  $\frac{1}{4}$  S 15 BT

An oak, 4 ins. diam., bears S.6°E. 27 lks. dist., marked  $\frac{1}{4}$  S 22 BT

from which

41.35 Gulch, course S.20°W. Thence estimating topography. Asc. 1100 ft. over precipitous S. and SE. slope.

47.80 Ravine, course S.30°E.

54.00 Ravine, course SE. Change of slope to E.

70.00 Foot of cliff, 200 ft. high, bears NE. and SW.

72.60 Flag A. Thence by direct measurement. Along S. slope.

77.00 Crest of Pusch Ridge, bears NE. and SW. Desc. 35 ft.

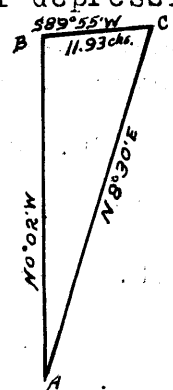
79.00 Head of gulch, course NW.

80.24 The cor. of secs. 15, 16, 21, and 22.

Land, broken and precipitous mountains.  
 Soil, rocky, 4th. rate.  
 Timber, scattered oak, pinon and cedar; undergrowth, oak, manzanita, amole, cacti and catclaw.

N.0°02'W., bet. secs. 15 and 16.  
 Over rough mountains, through scattered timber and undergrowth. Along top of bluff, upon crest of Pusch Ridge.

0.80 Rim of bluff, bearing NW. and NE. about 350 ft. high. Bluff peak on ridge, bears N.45°E. about 10 chs. dist. Continued direct measurement is not possible. Set flag A. at this station, and on line, N.0°02'W. about 80 chs. dist. set flag B. and opposite therefrom set flag C. which bears N.8°30'E. from this station. From C. flag B. bears S.89°55'W. 11.93 chs. dist. The angle of depression from A. to B. is 24\*°.





chains

The computed distance is 79.50 chs.

80.30 Flag B.

Thence by return measurement, 40.30 chs. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to bedrock, with stone marked X deposited along side, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$   
S 16 | S 15  
1932

An oak, 8 ins. diam., bears S.37°W. 5 lks. dist., marked  $\frac{1}{4}$  S 16 BT.

A ravine, course N.30°W. bears S. about 2.50 chs. dist.

Thence by direct measurement.

Desc. 770 ft. over NW. slope.

70.90 Shallow draw, course NE. Along E. slope.

77.50 Change of slope to NE. Desc. 60 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for the cor. of secs. 15 and 16 only, with brass cap mkd.

T12S R14E  
S 10  
S 16 | S 15  
1932

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

Land, rough and precipitous mountains in S.  $\frac{1}{2}$ , rolling mountains in N.  $\frac{1}{2}$ .

Soil, rocky, 4th. and 3rd. rate.

Timber, scattered oak and pinon; undergrowth, greasewood, oak, amole, catclaw and caeti.

---

N.89°48'E., on a random line on the N. bdy. of sec. 15.

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

80.26 Intersect the cor. of secs. 10, 11, 14, and 15.

Thence

S.89°48'W., on true line bet. secs. 10 and 15.

Over broken mountains, through scattered timber and undergrowth. Desc. 80 ft. over W. slope.

2.50 Draw, course N.30°W. Asc. 180 ft. over steep E. slope.

8.90 Small spur, slopes N. Desc. 20 ft. along N. slope.

13.50 Gully, course NE. Asc. 190 ft. over rolling NE. slope.

chains

26.50 Flat spur, slopes NW. Desc. 360 ft. over W. slope.

40.13 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.

1/4 S 10 / S 15

An oak, 14 ins. diam., bears S.22°W. 179 lks. dist., marked 1/4 S 15 BT. from which

Desc. 40 ft. over W. slope.

42.00 Draw, course N.60°W. Along N. slope.

46.00 Change of slope to NE. Asc. 200 ft.

60.00 Spur, extends NW, slopes SE. to shallow saddle. Change of slope to SE.

62.00 Desc. 430 ft. over an increasing SW. slope.

77.00 Draw, course NW. Asc. 70 ft. over NE. slope.

80.26 The cor. of secs. 15 and 16.

Continue line and measurement, on S. bdy. of sec. 10. Asc. 100 ft. over NE. slope.

84.00 Change of slope to N.

86.56 Intersect the E. bdy. of sec. 9.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, and in a mound of stone to top, for closing cor. of secs. 10 and 16, with brass cap mkd.

T12S R14E S 9 | S 10 CC / S 16

1932

An oak, 8 ins. diam., bears N.24°E. 56 lks. dist., marked T12S R14E S10 CC BT. from which

An oak, 12 ins. diam., bears S.34°E. 55 lks. dist., marked T12S R14E S16 CC BT.

From point of intersection the reconstructed SE. cor. of sec. 9, hereinbefore described, bears S.0°28'W, 1.12 chs. dist.,

Land, broken and rolling mountains. Soil, rocky, 3rd. rate. Timber, scattered oak, pinon and cedar; undergrowth, amole, cacti, catclaw and oak.

At a point on the S. bdy. of sec. 9, (40. chs. in W. departure from the cor. of secs. 15 and 16) N.88°02'E. 4.72 chs. dist. from the reconstructed S. 1/4 sec. cor. of sec. 9. Set an iron post, 3 ft. long, 1 in. diam. 20 ins. in the ground, to bedrock, with stone marked X

## Subdivisions of T.12 S., R.14 E.

chains

deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 16 only, with brass cap mkd.

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

from which

An oak, 8 ins. diam., bears S.69 $\frac{1}{2}$ °W. 119 lks. dist., marked  $\frac{1}{4}$  S 16 BT.

From the cor. of secs. 2, 3, 10 and 11.

S.89°48'W., on true line bet. secs. 3 and 10.

Over mountainous land, through scattered timber and undergrowth. Desc. 315 ft. over W. slope.

- 6.90 Gully, course N.60°W. Change of slope to NW.
- 12.00 Ravine, course N.20°W. Asc. 30 ft. over NE. slope.
- 16.30 Small rocky spur, slopes N.30°W. Desc. 280 ft. over broken NW. slope.
- 37.25 Sharp rocky spur, slopes NW. Desc. 100 ft. over W. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\frac{1}{4} \begin{array}{l} S 3 \\ S 10 \end{array}$$

1932

Desc. 140 ft. over W. slope.

44.50 Gully, course N.30°W. Desc. 80 ft. over NW. slope.

60.00 Over rolling mesa, sloping NW. Desc. gradually.

77.50 Desc. bluff bank of wash, 100 ft.

82.20 Wash, 20 lks. wide, course N.10°E. Asc. 15 ft. over gentle E. slope.

85.28 Intersect the E. bdy. of sec. 4.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for closing cor. of secs. 3 and 10, with brass cap mkd.

T12S R14E

$$S 4 \begin{array}{l} S 3 \\ S 10 \end{array} CC$$

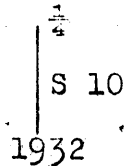
1932

From point of intersection the reconstructed cor. of secs. 4 and 9, hereinbefore described, bears S.0°48'W. 3.59 chs. dist.

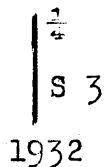
chains

Land, broken and rolling mountains.  
Soil, rocky, 3rd. rate.  
Timber, scattered oak, pinon and paloverde; undergrowth,  
greasewood, amole, catclaw and cacti.

-----  
At mid-point on the W. bdy. of sec. 10, N.1°38'E. 2.96  
chs. dist. from the reconstructed  $\frac{1}{4}$  sec. cor. of sec. 9,  
hereinbefore described, set an iron post, 3 ft. long,  
1 in. diam., 1' ins. in the ground, to bedrock, with a  
stone marked X deposited alongside, and in a mound of  
stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 10 only, with  
brass cap mkd.



-----  
At a point 40 chs. in N. latitude from the closing cor.  
of secs. 3 and 10, N.2°39'E. 3.50 chs. dist. from the  
reconstructed  $\frac{1}{4}$  sec. cor. of sec. 4, hereinbefore  
described, set an iron post, 3 ft. long, 1 in. diam.,  
27 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 3 only,  
with brass cap mkd.



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

-----  
From the cor. of secs. 21, 22, 27, and 28.

West, on a blank line bet. secs. 21 and 28.

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

80.04 A point N.0°02'W. 80.88 chs. dist. from the cor. of secs.  
28 and 29. Set temp. cor.

Thence

West, on a blank line bet. secs. 20 and 29.

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

80.10 A point N.0°03'W., 80.17 chs. dist. from the cor. of secs.  
29 and 30. Set temp. cor.

Thence

West on a blank line bet. secs. 19 and 30.

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

82.20 Intersect W. bdy. of the Tp. at the closing cor. of secs.  
19 and 30, hereinbefore described.

-----

## Subdivisions of T.12 S., R.14 E.

chains

From the cor. of secs. 28 and 29, hereinbefore described.

N.0°02'W., bet. secs. 28 and 29.

Over broken mountains, through scattered timber and undergrowth. Asc. 170 ft. over S. slope.

8.25 Short spur, slopes SW. Desc. 30 ft. over W. slope.

9.10 Head of ravine, course S.70°W. Asc. 265 ft. over broken SW. slope.

34.25 Sharp spur, slopes SW. Desc. 650 ft. over broken bluffs and ledges, facing NW.

40.00 Foot of bluffs, bear E. and SW. Continue descent of steep N. slope.

40.88 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.
$$\begin{array}{c} \frac{1}{4} \\ \text{S } 29 \mid \text{S } 28 \end{array}$$

1932

Desc. 350 ft. over NW. slope.

52.10 Gully, course NW.

53.20 Trail, course NE. and SW.

56.25 Trail, bears NE. and SW.

57.75 Pima Canyon wash, 20 lks. wide, course SW. Asc. 385 ft. over SW. slope.

80.88 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 20, 21, 28, and 29, with brass cap mkd.

T12S R14E

$$\begin{array}{c} \text{S } 20 \mid \text{S } 21 \\ \text{S } 29 \mid \text{S } 28 \end{array}$$

1932

Land, broken and rolling mountains.

Soil, rocky, 3rd. rate.

Timber, scattered paloverde; undergrowth, greasewood, amole, catclaw and cacti.

From the cor. of secs. 21, 22, 27, and 28.

West, on true line bet. secs. 21 and 28.

Over rolling mountainous land, through scattered undergrowth. Desc. 145 ft. over W. slope.

2.50 Gulch, course NW. Asc. 45 ft. over NE. slope.

4.00 Small spur, slopes N. Desc. broken NW. slope 400 ft.

13.00 Gully, course N.30°W.

chains

- 18.50 Ravine, course NW.
- 27.75 Trail. bears NE. and SW.
- 29.00 Pima Canyon wash, 20 lks. wide, course SW. Asc. 260 ft. over SE. slope.
- 40.02 Set an iron post, 3 ft. long, 1 in. diam. 1 1/4 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.

$\frac{1}{4}$     S 21  
       S 28

1932

- 40.10 Gully, course SE. Asc. 190 ft. over SE. slope.
- 44.20 Rocky spur, slopes S. Desc. 235 ft. over NW. slope.
- 54.00 Gulch, course S.30°W. Asc. 55.ft. over SE. slope.
- 56.00 Small spur, slopes S. Along S. slope.
- 66.00 Spur, slopes SW. Desc. 225 ft. over SW. slope.
- 80.04 The cor. of secs. 20,21,28, and 29.

Land, broken and rolling mountains.  
 Soil, rocky, 3rd. rate.  
 Timber, scattered paloverde; undergrowth, amole, grease-wood, cacti and catclaw.

N.0°02'W., bet. secs. 20 and 21.

Over mountainous land, through scattered undergrowth. Asc. 1000 ft. over broken SW. slope.

- 34.50 Gulch, course SW. Continue ascent.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 2 1/4 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.

$\frac{1}{4}$   
       S 20 | S 21

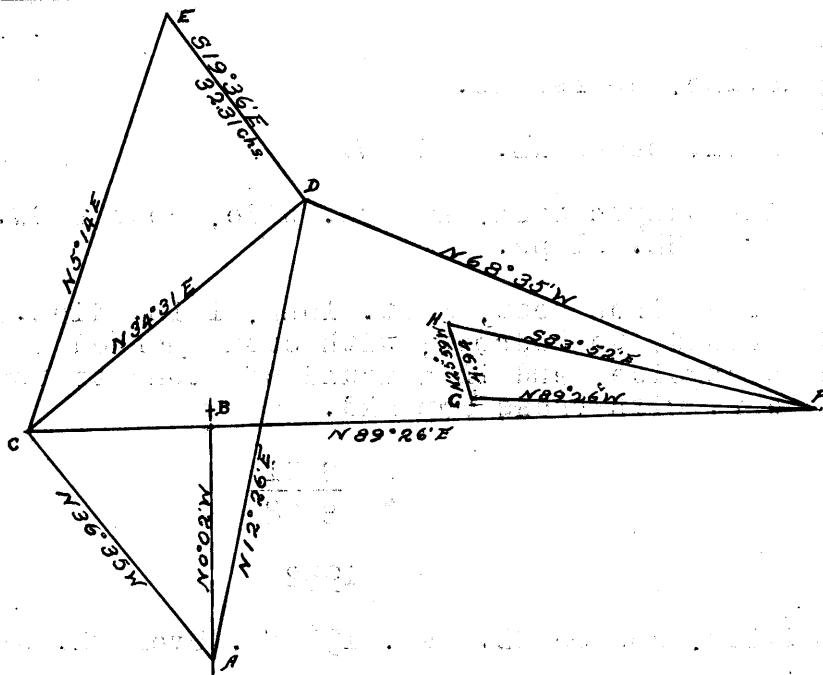
1932

Asc. 400 ft. over SW. slope, through scattered timber.

- 66.50 Crest of Pusch Ridge, bears NE. and SE. Desc. 50 ft. over broken bluffs, facing NW.
  - 68.00 Rim of bluff, about 350 ft. high, bears NE. and SW. Set flag A. at this station, and on line N.0°02'W. set flag B. Set flag C. N.36°35'W. and a flag D. N.12°26'E. The angle of depression from A. to B. is 52°; from A. to C. is 38 1/2°.
- From C. flag D. bears N.34°31'E; flag B. is not visible. Set flag E. N.5°14'E. from which flag D. bears S.19°36'E. 32.31 chs. dist.

Subdivisions of T.12 S., R.14 E.

chains



Computed distance, A. to C. is 13.82 chs. which gives:  
 latitude: 11.09 chs.  
 departure: 8.23 chs.

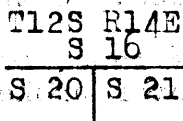
Thence from Station C.

East by direct measurement 8.22 chs. and intersect true line at

79.09 Flag B. bears N.0°02'W. about 2 chs. dist.

Thence N.0°02'W by direct measurement on true line 0.91

80.00 Chs. to Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 20 and 21 only, with brass cap mkd.



1932

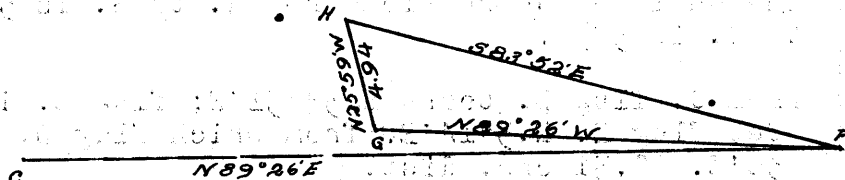
Land, broken and rough mountains.  
 Soil, rocky, 4th. rate.  
 Timber, scattered paloverde and oak; undergrowth, amole, cacti, catclaw, manzanita and oak.

Random line bet. secs. 16 and 21

Due to the rugged and precipitous nature of the country to the East direct measurement is not possible.

From station C. above noted, establish a flag F. upon crest of bluff, N.89°26'E., from which station flag D. bears N.68°35'W. The angle of elevation from C. to F. is 15°.

From station F. establish flag G. N.89°26'W. from which flag H. bears N.25°59'W. 4.94 chs. dist., From H. flag F. bears S.83°52'E.



Subdivisions of T.12 S., R.14 E.

BOOK 3973

chains	The computed positions of flags G. and F., from the cor. of secs. 20 and 21 are
	Station G. N. 89° 23' E. 20.83 chs.
	Station F. S. 89° 19' E. 63.96 chs.
	From point G.
	S. 89° 21' E. by direct measurement, 19.19 chs. to
40.00	Set temp. $\frac{1}{4}$ sec. cor., 40.00 chs. E. of the cor. of secs. 20 and 21.
	From point F.
	N. 89° 16' E. by direct measurement, 16.06 chs. to
80.02	Intersect the cor. of secs. 15, 16, 21, and 22.
	Thence
	West, on true line bet. secs. 16 and 21.
	Over rough mountains, through scattered timber and undergrowth. Along S. slope of crest of Pusch Ridge.
10.00	Ridge, extends S. 70° W.
14.00	Head of gulch, course NW.
16.06	Point F. bears S. 20 lks. dist. Rim of cliffs, about 300 ft. high, bears NE. and SW. Desc. 1480 ft. over precipitous NW. slope.
40.01	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ $\frac{S\ 16}{S\ 21}$
	1932
	Desc. 140 ft. over W. slope.
44.25	Gulch, course NW. Asc. 20 ft.
46.90	Short spur, slopes N. Desc. 60 ft. over NW. slope.
50.40	Gulch, course N. Asc. 270 ft. over E. slope.
59.19	Point G. bears N. 22 lks. dist. Asc. 450 ft. over broken cliffs, facing E.
65.00	Bluff peak of narrow spur, extends N. Desc. 700 ft. over precipitous bluffs, facing NW.
80.02	The cor. of secs. 20 and 21.
	Thence continuing line, and by direct measurement. Desc. 110 ft. over NW. slope, bet. secs. 16 and 21.
82.25	Head of draw, course N. Asc. 90 ft. over NE. slope.
83.53	Intersect the E. bdy. of sec. 17.
	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, to bedrock, with stone marked X deposited



## Subdivisions of T.12 S., R.14 E.

chains

alongside, and in a mound of stone to top, for closing cor. of secs. 16 and 21, with brass cap mkd.

T12S R14E  
S 17 | S 16  
          | S 20

1932

From point of intersection the reconstructed SE. cor. of sec. 17, hereinbefore described, bears S.0°52'E. 2.15 chs. dist.,

Land, rough mountains.

Soil, rocky. 4th. rate.

Timber, scattered oak, pinon and cedar; undergrowth, oak, manzanita, catclaw, amole and cacti.

At a point on the E. bdy. of sec. 17 (40 chs. in N. latitude from the closing cor. of secs. 16 and 20). N.0°52'W. 2.15 chs. dist. from the reestablished E.  $\frac{1}{4}$  sec. cor. of sec. 17, hereinbefore described, set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. of sec. 16 only, with brass cap mkd.

$\frac{1}{4}$

| S 16

1932

From the cor. of secs. 29 and 30.

N.0°03'W., bet. secs. 29 and 30.

Over washed land, through scattered timber and undergrowth.

7.00 Pima Canyon Wash. 50 lks. wide, course SW. Asc. 810 ft. over SW. slope.

25.00 Ravine, course SW. Change of slope to SE. Continue ascent.

35.00 Sharp spur, slopes SW. Desc. 50 ft. over NW. slope.

40.07 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for witness  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$

| WC

S 30 | S 29

1932

40.17 True point for  $\frac{1}{4}$  sec. cor. falls upon sloping granite ledge, facing NW. an insecure position for a cor. monument.

Desc. 190 ft. over NW. slope.

45.40 Drain, course W. Asc. 90 ft. over SW. slope.

- chains
- 53.00 Short spur, slopes SW. Desc. 85 ft. over NW. slope.
- 61.70 Gulch. course SW. Asc. SE. slope 290 ft.
- 68.50 Change of slope to S. Asc. 400 ft.
- 80.17 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for the cor. of secs. 19, 20, 29 and 30, with brass cap mkd.

T12S R14E  
 S 19 | S 20  
 S 30 | S 29  
 1932

Land, rolling and rough mountains.  
 Soil, rocky, 3rd. and 4th. rate.  
 Timber, scattered paloverde and mesquite; undergrowth, greasewood, cacti and catclaw.

From the cor. of secs. 20, 21, 28, and 29.  
 West, on true line bet. secs. 20 and 29.

- Overbroken mountainous land, through scattered timber and undergrowth. Desc. 75 ft. over SW. slope.
- 6.00 Gulch, course S. Asc. 1260 ft. over broken E. slope.
- 40.05 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$  S 20  
 $\frac{1}{4}$  S 29  
 1932

Asc. 45 ft. over E. slope.

- 42.30 Low peak on spur, sloping S. 30° W. Desc. 610 ft. over W. slope.
- 62.00 Gulch, course SW. Asc. 140 ft. over SE. slope.
- 71.00 Spur, slopes SW. Desc. 100 ft. over S. slope.
- 80.10 The cor. of secs. 19, 20, 29, and 30.

Land, rolling and broken mountains.  
 Soil, rocky, 3rd. and 4th. rate.  
 Timber, scattered paloverde; undergrowth, greasewood, amole and cacti.

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

- Over broken mountains, through scattered timber and undergrowth. Along broken S. and SE. slopes, Asc. 290 ft.
- 20.60 South face of broken bluff upon crest of Pusch Ridge, bearing N. 60° E. and SW. Desc. precipitous NW. slope, 1365 ft.

chains	
40.00	True point for $\frac{1}{4}$ sec. cor. falls upon broken bluff, facing NW.
40.30	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, to bedrock, with a stone marked X deposited alongside, and in a mound of stone to top, for witness $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ $\frac{S\ 19}{S\ 30}$ WC 1932
	Desc. over broken N. slope.
44.10	Small spur, slopes NW. Desc. 100 ft. over W. slope.
50.00	Gulch, course SW. Change of slope to SW. Desc. 125 ft.
81.00	Low spur, slopes S. $30^{\circ}$ W. Desc. 10 ft. over W. slope.
82.20	Intersect the closing cor. of secs. 19 and 30, hereinbefore described.
	Land, broken mountains. Soil, rocky, 3rd. and 4th. rate. Timber, scattered paloverde; undergrowth, greasewood, amole, cacti and catclaw.
	-----
	From the cor. of secs. 19, 20, 29, and 30.
	N. $0^{\circ}03'$ W., bet. secs. 19 and 20.
	Over broken mountains, through scattered timber and undergrowth. Asc. 600 ft. over S. slope.
13.90	Pusch Ridge, bears N. $60^{\circ}$ E. and S. $60^{\circ}$ W. Desc. 415 ft. over broken NW. slope.
26.70	Gulch, course NW. Asc. 115 ft. over SW. slope.
31.15	Spur, slopes NW. Over broken W. slope.
36.40	Spur, slopes N. $50^{\circ}$ W. Desc. 85 ft. over N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ S 19   S 20 1932
	Desc. 20 ft.
41.83	Rim of bluff, facing N. Desc. 200 ft. over broken cliff.
45.00	Foot of cliff, bears SE. and NW. Desc. 950 ft. over decreasing NE. slope.
73.50	Gulch, course N. $30^{\circ}$ W. Desc. 50 ft. along NW. slope.
78.52	Intersect S. bdy. of sec. 17.
	Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in

chains

the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for closing cor. of secs. 19 and 20, with brass cap mkd.

T12S R14E  
S 17.  
S 19 | S 20  
CC  
1932

From point of intersection the reconstructed cor. of secs. 17 and 18, hereinbefore described, bears N.89°17' W. 3.11 chs. dist.,

Land, broken and rough mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, scattered palo verde.  
Undergrowth, greasewood, amole cacti and catclaw.

At midpoint in departure on the N. bdy. of sec. 20, S.89°17'E. 3.31 chs. dist. from the reestablished S. 1/4 sec. cor. of sec. 17, hereinbefore described, set an iron post, 3 ft. long, 1 in. diam. 6 ins. in the ground to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. of sec. 20 only, with brass cap mkd.

1/4 S 20  
1932

At a point on the N. bdy. of sec. 19, (40 chs. in W. departure from the closing cor. of secs. 19 and 20) East 2.63 chs. dist. from the reconstructed S. 1/4 sec. cor. of sec. 18, hereinbefore described, set an iron post, 3 ft. long, 1 in. diam. 18 ins. in the ground, to bedrock, with stone marked X deposited alongside, and in a mound of stone to top, for 1/4 sec. cor. of sec. 19 only, with brass cap mkd.

1/4 S 19  
1932

Final Test of Solar Attachment.  
Buff and Buff Transits Nos. 17992 and 9977.  
June 28, 1932. At camp, about 15 chs. NE. of the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of T.11 S., R.14 E. at 6h. 00m. p.m., appt. time, set off 32°25 1/2' N. on the lat. arc, 23°18' N. on the decl. arc, and orient the instrument with the solar and noting the meridian so determined by reference to a prominent bluff of rock 3 miles south.  
June 29, 1932. At 8h. 00m. a.m. appt. time, make an altitude observation on the sun, first setting upon the suns upper and right limbs, then after reversal of the instrument, setting upon the lower and left limbs; the horizontal angles are measured from the reference point above determined.

Final Test of Solar Attachment.

Mean appt. time of observation, a.m.	8h. 00m. 00s.
Mean vertical angle	41° 08' 40"
Mean horizontal angle	93° 46' 00"
Reduced bearing to reference point	S.0°00' 15"W.

At the same hour, with proper settings on the arcs of the solar attachment, orient the instrument with the solar; the line of sight agrees with the meridian above established.

General Description.

The area covered under the foregoing surveys is of a rugged mountainous formation, comprising the westerly range of the Santa Catalina Mountains, the elevation varying from 3000 to 7750 ft. above sea level. Pusch Ridge extending westerly through the central part of the township, is a serrated granite ledge, breaking abruptly to the north.

The higher elevations of this territory are well covered with a scrub timber, varying from oak to yellow pine; none of commercial value. The foothill region supports a typical desert growth of paloverde, mesquite and undergrowth.

There is no live water; some of the major canyons carry pockets of water remaining from past rains. The few trails noted extend only into the lower canyon reaches; one trail was extended, during the progress of this survey, to the crest of the divide in section 13.

A homestead applicant, Magee, is residing in the NW. quarter of section 3; has improved his entry with a frame dwelling, a well and a small fenced pasture. An unimproved road extends westerly therefrom for a distance of two miles to join State Highway No. 89 (U.S. Route 80) in section 5, about 14 miles north of Tucson.



CERTIFICATE OF UNITED STATES SURVEYOR.

I Theodore VanderMeer, 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 1st. day of December, 1931, 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 and resurveyed a portion of the subdivisional lines, continuing the survey of Township 12 South, Range 14 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 said survey and resurvey 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 and resurvey.

Theodore VanderMeer U.S. Transitman

Phoenix, Ariz. July 5, 1932.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

, 19

The foregoing field notes of the survey of

executed by

under his special instructions dated, 19, 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. 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.

U. S. Supervisor of Surveys.

BOOK 3973

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 1st. day of December, 1931 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, ~~approved all the corners of~~ surveyed a portion of the East boundary; resurveyed a portion of the West and North boundaries; and surveyed and resurveyed a portion of the subdivisional lines, continuing the survey of Township 12 South, Range 14 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 said survey and resurvey 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 and resurvey.

Phoenix, Arizona.
July 30, 1932.

[Signature of Dupree R. Averill]
U. S. Surveyor.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,
Denver, Colorado, September 5, 1933.

The foregoing field notes of the survey of a portion of the East boundary; resurvey of a portion of the West and North boundaries; and the survey and resurvey of a portion of the subdivisional lines, continuing the survey of Township 12 South, Range 14 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Dupree R. Averill, U.S. Surveyor and Theodore Vander Meer, U.S. Transitman, their special instructions dated December 1, 1931, 19 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys they describe, are hereby approved.

[Signature of Theodore Vander Meer]
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.

U. S. Supervisor of Surveys.



4-680  
(August, 1928)

FIELD ASSISTANTS.

NAMES.	CAPACITY.
for Dupree R. Averill.	
Howard Beard	1st. chairman.
John Boggs	2nd. chairman.
A.F. Gray	Flagman.
Walter Grayum	Cornerman.
Cal Davis	Axman.
for Theodore Vander Meer.	
William Rawlins	1st. chairman.
Sam Palmer	2nd. chairman.
Benjamin Korad	Flagman.
H.W. Defty	Axman.