

3949

Book "G"

ORIGINAL

4-679

BOOK 3949

# FIELD NOTES

## OF RESURVEY OF

Part of the South Boundary of

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

## AND OF THE SURVEY OF

East Boundary, North Boundary

and

Subdivision Lines of

Fractional Township 12 $\frac{1}{2}$  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

In the capacity of U. S. Surveyor, under <sup>Supplemental</sup> Special Instructions dated May 7, 1932, issued by the District Cadastral Engineer to govern surveys included in Group No. 163, Arizona, which were approved by the Commissioner of the General Land Office, May 19, 1932, and Assignment Instructions dated May 11, 1932.

Resurvey and Survey commenced May 28, 1932.

Resurvey and Survey completed May 28, 1932.

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3949

# INDEX DIAGRAM.

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

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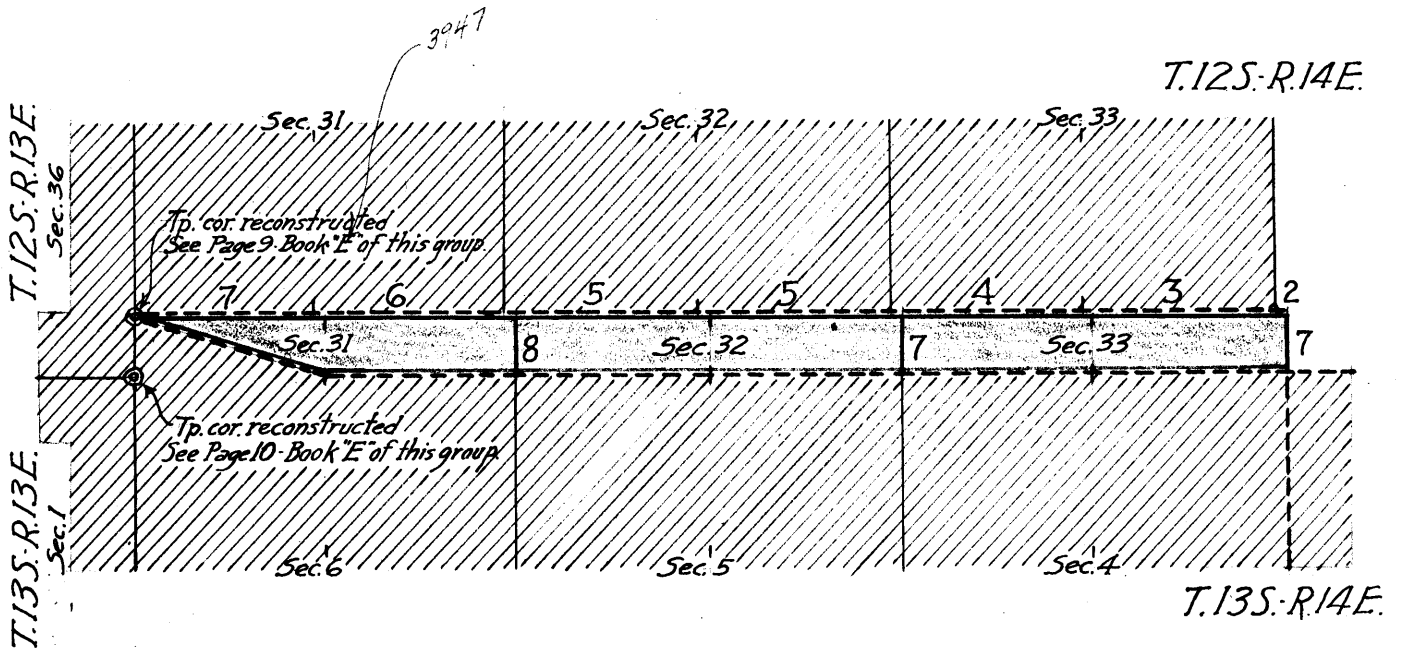
Book "G"

Group 163 Arizona



INDEX DIAGRAM

Fractional Township 12½ South, Range 14 East

BOOK 3949



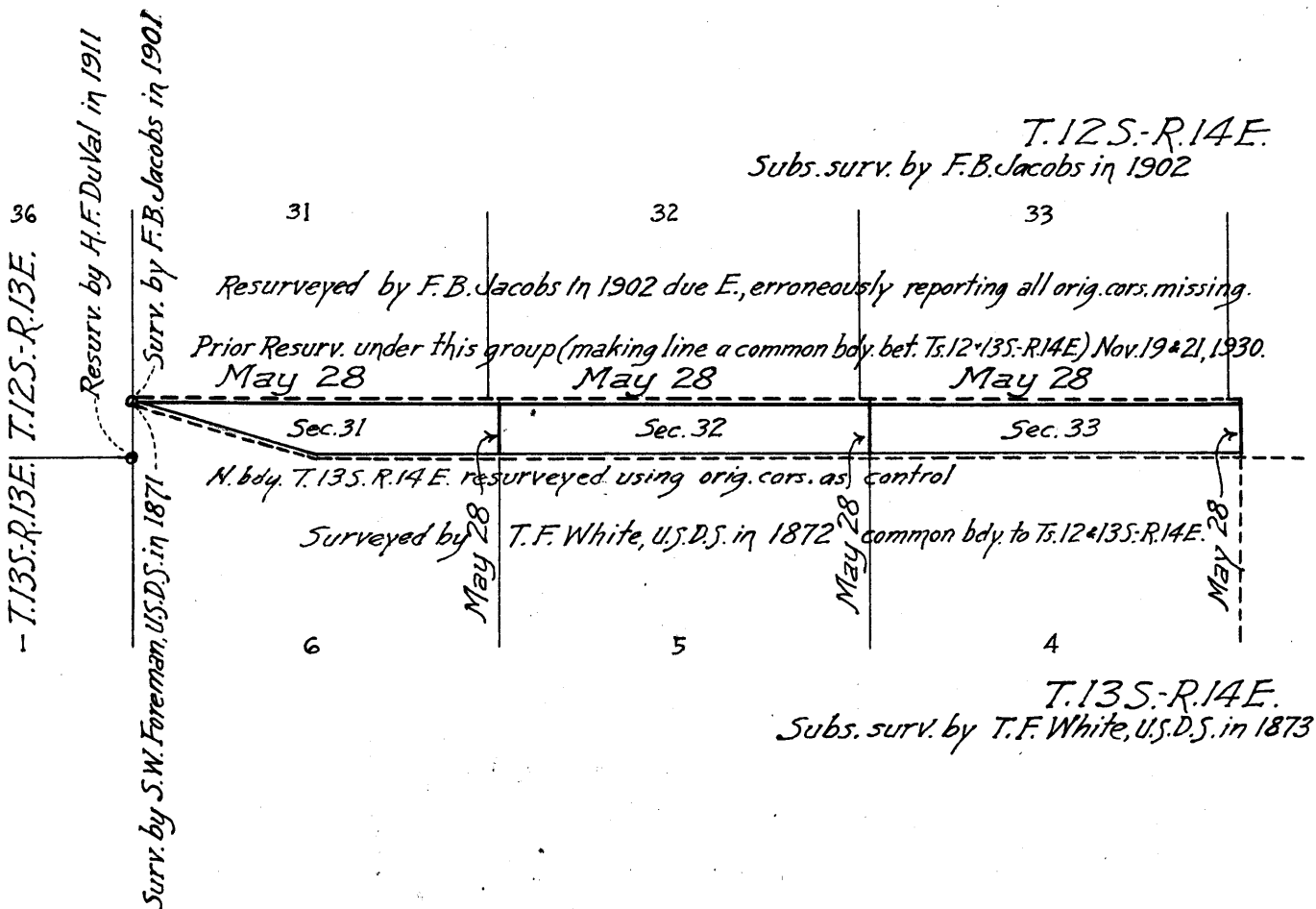
Establishment of N. ¼ sec. cor. of Sec. 33, Frac. T.12½ S., R.14 E. described on page 8.  
 Establishment of N. ¼ sec. cor. of Sec. 31, Frac. T.12½ S., R.14 E. described on page 9.  
 Establishment of N. ¼ sec. cor. of Sec. 32, Frac. T.12½ S., R.14 E. described on page 9.

- Surveyed under this group. Notes herein.
- ===== N. bdy. Frac. T.12½ S., R.14 E. surveyed, S. bdy. T.12 S., R.14 E. resurv. Notes herein. Alignment controlled by cors. reestablished by Surveyor Jacobs in 1902.
- Resurveyed under this group. Notes in Book "E."
- ===== S. bdy. Frac. T.12½ S., R.14 E. surveyed, N. bdy. T.13 S., R.14 E. resurv. Notes in Book "E." 3947 Alignment controlled by the original cors. established by Surveyor White in 1872.
- Accepted, surveyed lines. (Not resurveyed under this group.)
-  Areas surveyed as per accepted plats on file.
-  Area within Frac. T.12½ S., R.14 E. created by resurveys and surveys of this group.

Book "G"  
Group 163 Arizona.

DATE DIAGRAM  
1932

Fractional Township 12½ South, Range 14 East



- Surveyed under this group by Dupree R. Averill, U.S. Surveyor, on dates (1932) shown thereon. Notes herein.
- ==== Resurvey of S. bdy. T.12S-R.14E and Surv. of N. bdy. Frac. T.12½S-R.14E. by D.R. Averill, U.S.S. on dates (1932) shown thereon. Notes herein.
- ==== Resurvey of N. bdy. T.13S-R.14E and Surv. of S. bdy. Frac. T.12½S-R.14E. by D.R. Averill, U.S.S. Date diagram and notes in Book "E" of this group.
- - - - Resurveyed under this group by Dupree R. Averill, U.S. Surveyor. Date diagram and notes in Book "E" of this group.
- Accepted, surveyed lines (Not resurveyed under this group)

Township 12 $\frac{1}{2}$  South, Range 14 East.

The survey of T.12 $\frac{1}{2}$  S., R.14 E. was executed with a light mountain solar transit, made by Buff and Buff, Serial No.17992, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of 4 $\frac{1}{2}$  ins., with two double 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 3 $\frac{1}{2}$  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. 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 observations upon the sun. 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 NE. cor. of T.13 S., R.14 E. as follows: latitude 32°20'13" 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, 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 of the sun, first setting on the sun's 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 three miles 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 bearing to reference mark	N.18°09'00" W.
Reduced watch, fast of standard time	Om. 06s.

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 angles 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  $\beta$  Corvi and Polaris, making four readings upon each, two each with the telescope in direct and reversed positions.

chains

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

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

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

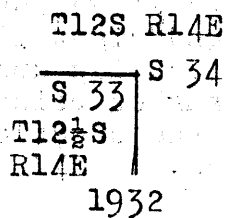
Repeat the test of the arcs daily by noon observation and verify the meridional indications at frequent intervals throughout the survey.

Resurvey of Part of the S. Bdy. of T.12 S.R.14 E.  
 ( Survey of the N. Bdy. of T.12½ S. R.14 E)

For history of earlier surveys, and retracements thereof see field notes of T.13 S.,R.14 E., surveyed under this Group.

At a point North of the reconstructed cor. of secs. 3 and 4, (White) T.13 S.,R.14 E., sec. 33, T.12½ S. R.14 E. and sec. 34, T.12 S.,R.14 E., described in Book 'E' of this Group, and East of the reestablished cor. of secs. 33 and 34 (Jacobs) T.12 S.,R.14 E., hereinafter described, establish the NE. cor. of T.12½ S.,R.14 E. as follows:

Set an iron post, 3 ft. long, 2 ins., diam., 4 ins. in the ground, to bedrock, with a stone marked X deposited alongside, and in a mound of stone to top, for cor. of sec. 33 only, with brass cap mkd.



Thence

West on true line, on S. bdy. of sec. 34, T.12 S.,R.14 E.  
 ( the N. bdy. of sec. 33, T.12½ S.,R.14 E.)

Over broken land, through scattered undergrowth.

0.78 The reestablished cor. of secs. 3, 4, 33 and 34 (Jacobs) is a granite stone, 8 x 7 x 6 ins., above ground, firmly set, marked with 3 notches on each of E. and W. faces. Reconstruct this cor. monument and alter its reference as follows:

In place of the old stone, which is deposited alongside, 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 reestablished cor. of secs. 33 and 34 only, with brass cap mkd.

Resurvey of Part. of the S. Bdy. of T.12 S., R.14 E.  
(Survey of the N. Bdy. of T.12 S., R.14 E)

chains

T12S R14E  
S 33 | S 34  
S 33  
T12 S  
1932

from which

the original bearing trees:

- A mesquite, 6 ins. diam., bears N.76½°E. 109 lks. dist. illegibly marked.
- A paloverde stump, 6 ins. diam., bears S.41½°E. 93 lks. dist., shows portion of original blaze.
- A mesquite stump, 11 ins. diam., bears S.44°W. 65 lks. dist., shows portion of original blaze.
- A mesquite, 6 ins. diam., bears N.41°W. 22 lks. dist., illegibly marked.

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

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Thence

S.89°49'W. on true line on the S. bdy. of sec. 33, E.½.

Over broken and rolling land, through scattered timber and undergrowth. Asc. 15 ft. over SE. slope. near top of low spur.

4.00 Small spur, slopes S. Desc. 50 ft. over W. slope.

10.50 Wash, 10 lks. wide, course S. Over nearly level mesa, ascend 10 ft.

19.00 Rim of mesa, bears NW. and S., Desc. 100 ft. over SW. slope.

24.30 Gully, course S.20°E. Asc. 30 ft. over E. slope.

26.30 Spur, extends S.20°W. to low peak. Desc. 100 ft. over NW. slope.

31.45 Wire fence, bears W. and NE. Thence along fence.

32.50 Wash, in draw, course S.

33.60 Road, bears N. and S.

34.50 Cabin, bears North about 4½ chs. dist.

36.00 Fence corner, from which wire fencing extends N. and E.

37.20 Wash, 10 lks. wide, course S.10°E. Asc. 60 ft. over E. slope.

39.57 The reestablished ¼ sec. cor. of secs. 4 and 33 (Jacobs) which is a granite stone, 10 x 6 x 6 ins. above ground, firmly set, marked ¼ on N. 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., 28 ins. in the ground, for reestablished ¼ sec. cor. of sec. 33 only, with brass cap mkd.

S 33

Resurvey of Part. of the S. Bdy. of T.12 S., R.14 E.  
(Survey of the N. Bdy. of T.12 S., R.14 E.)

chains

from which

the original bearing trees:

A paloverde, 6 ins. diam., bears N.35°W. 5 lks. dist., markings illegible.

A paloverde, 6 ins. diam., bears S.44°W. 7 lks. dist., old blaze rotted out.

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

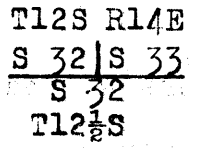
Thence

N.89°39'W. on true line on the S. bdy. of sec. 33, W.½.

Asc. E. slope 30 ft.

- 1.00 Rim of bench, or mesa, bears N. and SW. Thence over gently rolling land. Asc. 20 ft.
- 18.25 Small wash, course S.
- 27.60 Wash, 10 lks. wide, course S.10°W.
- 36.00 Spur, slopes S.20°W. The East terminus of a high tension electric transmission line, extending W. bears North about 30 lks. dist. Desc. 20 ft. over W. slope.
- 38.00 The East terminus of a newly graded highway, from the W. roadway extends S.50°W. at this point.
- 39.10 Newly constructed wire fence extends South and West.
- 39.88 The reconstructed cor. of secs. 4, 5, 32 and 33 (Jacobs), which is a granite stone 8, x 8 x 6 ins. above ground, firmly set, marked with 4 notches on the E. and 2 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., 24 ins. in the ground, to bedrock, and in a mound of stone to top, for the cor. of secs. 32 and 33 only, with brass cap mkd.



1932

from which

the original bearing trees,

A paloverde, 8 ins. diam., bears N.78°E. 67 lks. dist. illegibly marked.

A mesquite stump, 12 ins. diam., bears S.13°E. 31 lks. dist., shows part of old blaze.

A paloverde, 8 ins. diam., bears S.9½°W. 73 lks. dist. illegibly marked.

A paloverde, 8 ins. diam., bears N.23°W. 76 lks. dist. illegibly marked.

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

Wire fencing extends North from cor.

Land, broken and rolling.  
Soil, rocky and gravelly, 3rd. rate.



Resurvey of Part of the S. Bdy. of T.12 S., R.14 E.  
(Survey of the N. Bay of T.12 $\frac{1}{2}$  S., R.14 E.)

chains

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

S.89°40'W. on true line on the S. bdy. of sec.32, E. $\frac{1}{2}$ .

Over broken and rolling land, through scattered timber and undergrowth; along electric power transmission line.

Desc. 100 ft. over W. slope.

5.10 Draw, course S.20°W. Asc. 85 ft. over SE. slope.

9.30 Spur, slopes S.30°W. Desc. 115 ft. over NW. slope.

18.20 Draw, course SW. Asc. 75 ft. over E. slope.

23.50 Spur, slopes S.20°W. Desc. 90 ft. over W. slope.

36.30 Drain, course S.60°W. Desc. 10 ft. over S. slope.

39.11 The reestablished  $\frac{1}{4}$  sec. cor. of secs. 5 and 32 (Jacobs) which is a granite stone 8 x 6 x 6 ins. above ground, firmly set, marked  $\frac{1}{4}$  on N. 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., 30 ins. in the ground, for reestablished  $\frac{1}{4}$  sec. cor., of sec. 32 only, with brass cap mkd.

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

1932

from which

one of the two original bearing trees,

A paloverde, 10 ins. diam., bears S.45°E. 53 lks. dist., markings obliterated by decay.

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

Thence

S.89°59'W. on true line on the S. bdy. of sec. 32, W. $\frac{1}{2}$

Desc. 50 ft. over gradually decreasing W. slope.

3.40 Old road, bears N.20°E. and S.20°W.

12.00 Wash, 50 lks. wide, course S.20°W. Asc. 25 ft. over E. slope.

17.00 Enter newly graded road, bears W. and S.85°E. Thence along road.

30.00 Low spur, slopes S. Desc. 20 ft. over gentle W. slope.

33.85 Drain, course S. Asc. 15 ft. over E. slope.

38.40 Low spur, slopes S. Desc. 5 ft. over W. slope.

39.92 The reconstructed cor. of secs. 5, 6, 31 and 32, (Jacobs) which is a granite stone 10 x 6 x 6 ins., marked with 5 notches on the E. and 1 notch on the W. face. As recovered under retracements in 1930 the cor. was witnessed by the original accessories:

a paloverde, 8 ins. diam., N.64 $\frac{1}{2}$ °E. 77 lks. dist., marks illegible..

Resurvey of Part of the S. Bdy. of T.12 S., R.14 E.  
(Survey of the N. bdy. of T.12 $\frac{1}{2}$  S., R.14 E.)

chains

a paloverde stump, 10 ins. diam., S.78°E. 50 lks. dist.,  
no marks visible.  
a paloverde, 9 ins. diam., S.20 $\frac{1}{2}$ °W. 148 lks. dist.,  
marks illegible.  
a paloverde stump, 9 ins. diam., N.36°W. 82 lks. dist.,  
with no marks visible.

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., 42 ins. in  
the ground, for reconstructed cor. of secs. 31 and 32  
only, with brass cap mkd.

T12S R14E

S 31	S 32
------	------

S 31

T12 $\frac{1}{2}$ S  
1932

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

S.89°58'W. on true line on the S. bdy. of sec. 31, E. $\frac{1}{2}$ .

Over gently rolling land, through scattered timber and  
undergrowth; along roadway.

Desc. 20 ft. over W. slope.

- 5.30 Wash, course S.  
8.80 Old road, unused, bears NE. and SW.  
11.70 Wash, 20 lks. wide, course S.20°W. Asc. 10 ft. over SE.  
slope.  
26.00 Low spur, slopes S.20°W. Desc. 40 ft. over W. slope.  
32.00 Wash, 20 lks. wide, course S.20°W. Asc. 20 ft. over SE.  
slope.  
39.90 Low spur, slopes SW.  
39.97 The reconstructed  $\frac{1}{4}$  sec. cor. of secs. 6 and 31 (Jacobs)  
which is a granite stone 8 x 6 x 6 ins., marked  $\frac{1}{4}$  on N.  
face. As recovered under retracements in 1930 this cor.  
was witnessed by the original accessories:

a paloverde stump, 10 ins. diam., N.37°W. 70 lks. dist.  
showing part of blaze.  
a paloverde stump, 8 ins. diam., S.64°E. 40 lks. dist.,  
showing part of blaze.

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., 44 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor. of sec. 31 only, with brass  
cap mkd.

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

1932

Resurvey of Part. of the S. Bdy. of T.12 S., R.14 E.  
 (Survey of the N. bdy. of T.12 $\frac{1}{2}$  S., R.14 E.) BOOK 3949

chains

Thence

N.89°49'W. on true line on the S. bdy. of sec. 31, W.1 $\frac{1}{2}$ .

Along roadway, bearing E. and W. Desc. 35 ft. over W. slope.

7.20 Drain, course S.20°W. Asc. 15 ft. over SE. slope.

15.00 Flat spur, slopes SW. Desc. 50 ft. over NW. slope.

23.00 Wash, 20 lks. wide, course SW. Leave graded roadway, bears NW and E. Asc. 35 ft. over E. slope.

30.00 Over nearly level mesa.

33.00 Desc. over bluff bank of wash, 35 ft. high, bearing NE. and SW.

37.00 Wash, 50 lks. wide, course SW. Over rocky bed of Pima Canyon wash,

39.71 The reconstructed cor. of Ts.12, 12 $\frac{1}{2}$  and 13 S., R.14 E. described in Book E of field notes of T.13 S., R.14 E., surveyed under this Group.

Land, broken and rolling mesa.

Soil, gravelly and rocky, 3rd. rate.

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

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 Survey of the East Boundary of T.12 $\frac{1}{2}$  S., R.14 E.  
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From the reconstructed cor. of secs. 3 and 4, T.13 S., R.14 E., sec. 34, T.12 S., R.14 E. (White) and sec. 33, T.12 $\frac{1}{2}$  S., R.14 E., described in Book E of field notes of T.13 S., R.14 E. surveyed under this Group.

North on true line on the E. bdy. of T.12 $\frac{1}{2}$  S., R.14 E.

Over broken land, through scattered undergrowth.

Asc. S. slope 10 ft.

0.48 The NE. cor. of T.12 $\frac{1}{2}$  S., R.14 E. hereinbefore described.

Land, broken.

Soil, rocky, 3rd. rate.

Timber, none; undergrowth, greasewood.

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 Subdivisions of T.12 $\frac{1}{2}$  S., R.14 E.  
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From the reconstructed cor. of secs. 4, 5, 32 and 33 (White) on the S. bdy. of the Tp. described in Book E. of field notes of T.13 S., R.14 E. surveyed under this Group.

N.0°01'W. bet. secs. 32 and 33.

Over rolling land, through scattered timber and undergrowth. Along wire fencing, bears N. and S.

0.90 Graded roadway, bears S.50 W. and N.50°E.

1.28 Intersect N. bdy. of Tp.

Subdivisions of T.12 $\frac{1}{2}$  S., R.14 E.

chains

Set an iron post, 3 ft. long, 2 ins. diam., 34 ins. in the ground, for closing cor. of secs. 32 and 33, with brass cap mkd.

T12S R14E  
 S 33  
 S 32 | S 33  
 T12 $\frac{1}{2}$ S R14E  
 CC  
 1932

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

From point of intersection the reconstructed cor. of secs. 32 and 33, T.12 S., R.14 E. hereinbefore described, bears N.89°39'W. 0.79 chs. dist.

From the same point the reconstructed  $\frac{1}{4}$  sec. cor. of sec. 33, T.12 S., R.14 E. hereinbefore described, bears S.89°39'E. 39.09 chs. dist.

From same point, wire fencing extends S. and W.

Land, gently rolling.

Soil, rocky, 3rd. rate.

Timber, scattered paloverde; undergrowth, greasewood and cacti.

At mid-point on the N. bdy. of sec. 33, N.89°49'E. 0.63 chs. dist. from the reconstructed  $\frac{1}{4}$  sec. cor. of sec. 33, T.12 S., R.14 E. hereinbefore described, set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 33 only, of T.12 $\frac{1}{2}$  S., R.14 E. with brass cap mkd.

S 33

1932

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

From the reconstructed cor. of secs 5, 6, 31 and 32 (White) on S. bdy. of Tp. described in Book E. of field notes of T.13 S., R.14 E. surveyed under this Group.

N.0°01'W. bet. secs. 31 and 32.

Over rolling land, through scattered timber and undergrowth.

1.50 Intersect N. bdy. of Tp.

Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, in center of graded roadway bearing E. and W. with stone marked X deposited alongside, for closing cor. of secs. 31 and 32, with brass cap mkd.

T12S R14E  
 S.32  
 S 31 | S 32  
 T12 $\frac{1}{2}$ S R14E  
 CC  
 1932

From point of intersection the reconstructed cor. of

chains

secs. 31 and 32, T.12 S., R.14 E., hereinbefore described bears S.89°59'W. 1.23 chs. dist.

From the same point the reconstructed  $\frac{1}{4}$  sec. cor. of sec. 32, T.12 S., R.14 E., bears N.89°59'E. 38.69 chs. dist.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, scattered paloverde; undergrowth, greasewood, cacti.

At midpoint on the N. bdy. of sec. 32, N.89°40'E. 1.10 chs. dist. from the reconstructed  $\frac{1}{4}$  sec. cor. of sec. 32, T.12 S., R.14 E., hereinbefore described, set an iron post, 3 ft. long, 1 in. diam., for  $\frac{1}{4}$  sec. cor., of sec. 32 only, T.12 $\frac{1}{2}$  S., R.14 E., with brass cap mkd.

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

1932

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

At a point on the N. bdy. of sec. 31, 39.80 chs. in West departure from the closing cor. of secs. 31 and 32, and N.89°58'E. 1.40 chs. dist., from the reconstructed  $\frac{1}{4}$  sec. cor. of sec. 31, T.12 S., R.14 E., hereinbefore described, set an iron post, 3 ft. long, 1 in. diam., 44 ins. in the ground, in center of graded roadway bearing E. and W., with stone marked X deposited alongside, for  $\frac{1}{4}$  sec. cor. of sec. 31 only, T.12 $\frac{1}{2}$  S., R.14 E., with brass cap mkd.

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

1932

GENERAL DESCRIPTION

The area within this township consists of a broken and rolling mesa, the mean elevation being about 3000 ft. above sea level.

The land is sparsely covered with scattered paloverde and mesquite timber, and with greasewood, catclaw and cacti undergrowth.

A newly graded highway extends along the north boundary of the township for a distance of two miles from the west, along which is also constructed an electric power transmission line. No other improvements are noted.

There is no water, the soil is shallow and of rocky content; classed as 3rd. rate throughout.



CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance supplemental of special instructions received from the District Cadastral Engineer, for Group 163, Arizona

bearing date of the 7th day of May, 1932, 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, resurveyed all those parts or portions of

the South boundary of Township 12 South, Range 14 East

and surveyed all those parts or portions of

the North boundary, the East boundary and

Subdivision Lines of

Fractional Township 12 1/2 South, Range 14 East of the Gila and Salt

River Base and 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 resurvey

and survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the supplemental

special written instructions of the District Cadastral Engineer, for Group 163, Arizona

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such resurvey and survey.

Place: Phoenix, Arizona.

Date: July 18, 1932.

Dupree R. Averill U.S. Surveyor.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., OCT 14 1932, 193

The foregoing field notes of the resurvey of

Part of the South boundary of Township 12 South, Range 14 East

and of the survey of

the East boundary, North boundary, and Subdivision lines of

Fractional Township 12 1/2 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

under supplemental special instructions dated May 7, 1932 for Group 163, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys and 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.