

Book "A"

4-679

BOOK 4050

FIELD NOTES

OF THE RESURVEY OF

*The Second Standard Parallel South thru
Ranges 5, 6 and 7 West*

*along South boundaries of
Township 9 South, Range 5 West,
Township 9 South, Range 6 West,
and*

Township 9 South, Range 7 West

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Alex. T. Harris, U.S. Cadastral Engineer

and

Walter H. Good, U.S. Surveyor

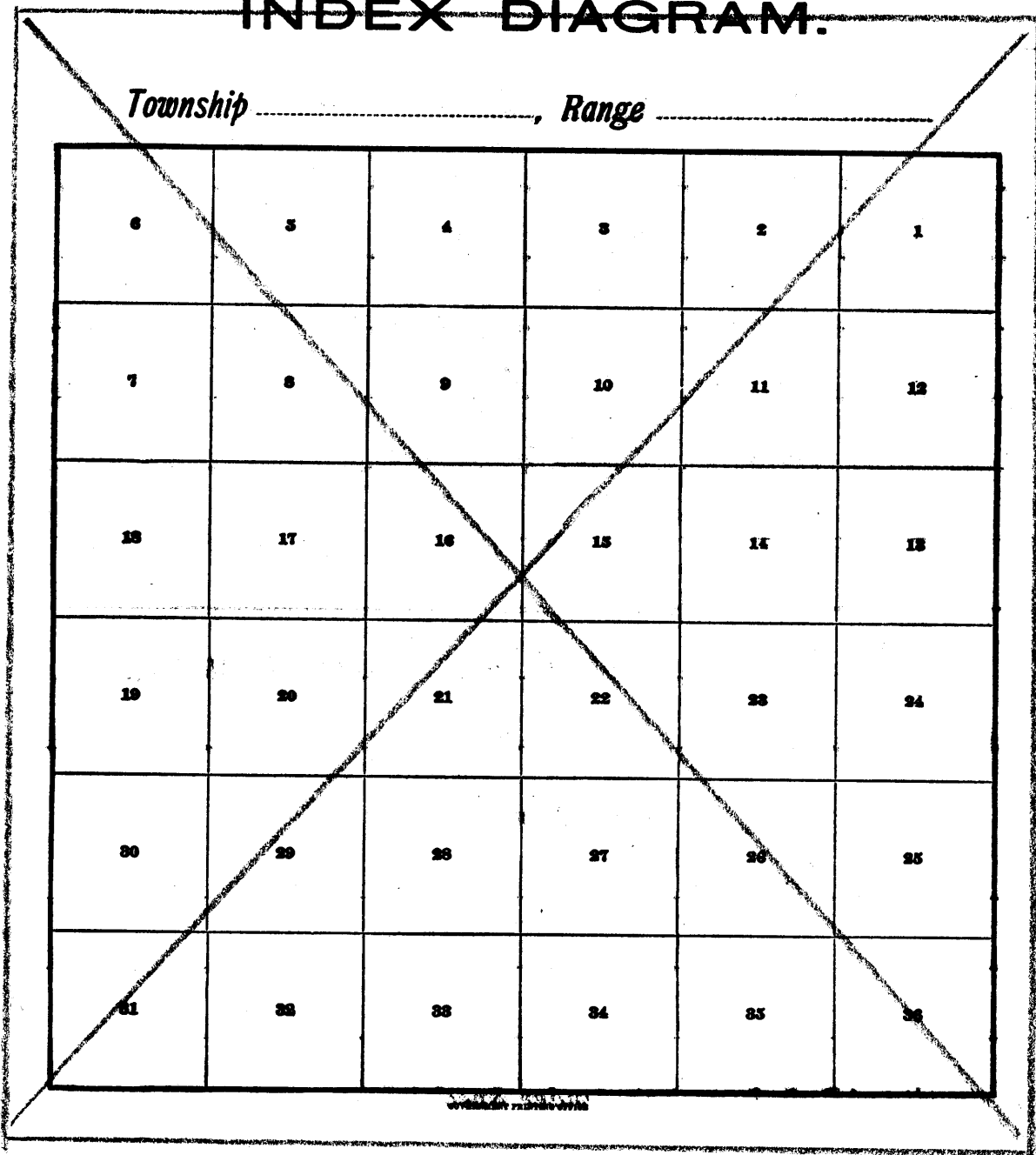
In the capacity of U. S. Surveyors, under Special Instructions dated December 12, 1933, issued by the District Cadastral Engineer to govern surveys included in Group No. 199 - Arizona, which were approved by the Commissioner of the General Land Office, February 17, 1934, and Assignment Instructions dated December 15, 1933, January 10, 1934.

Re-Survey commenced January 2, 1934

Re-Survey completed January 24, 1934

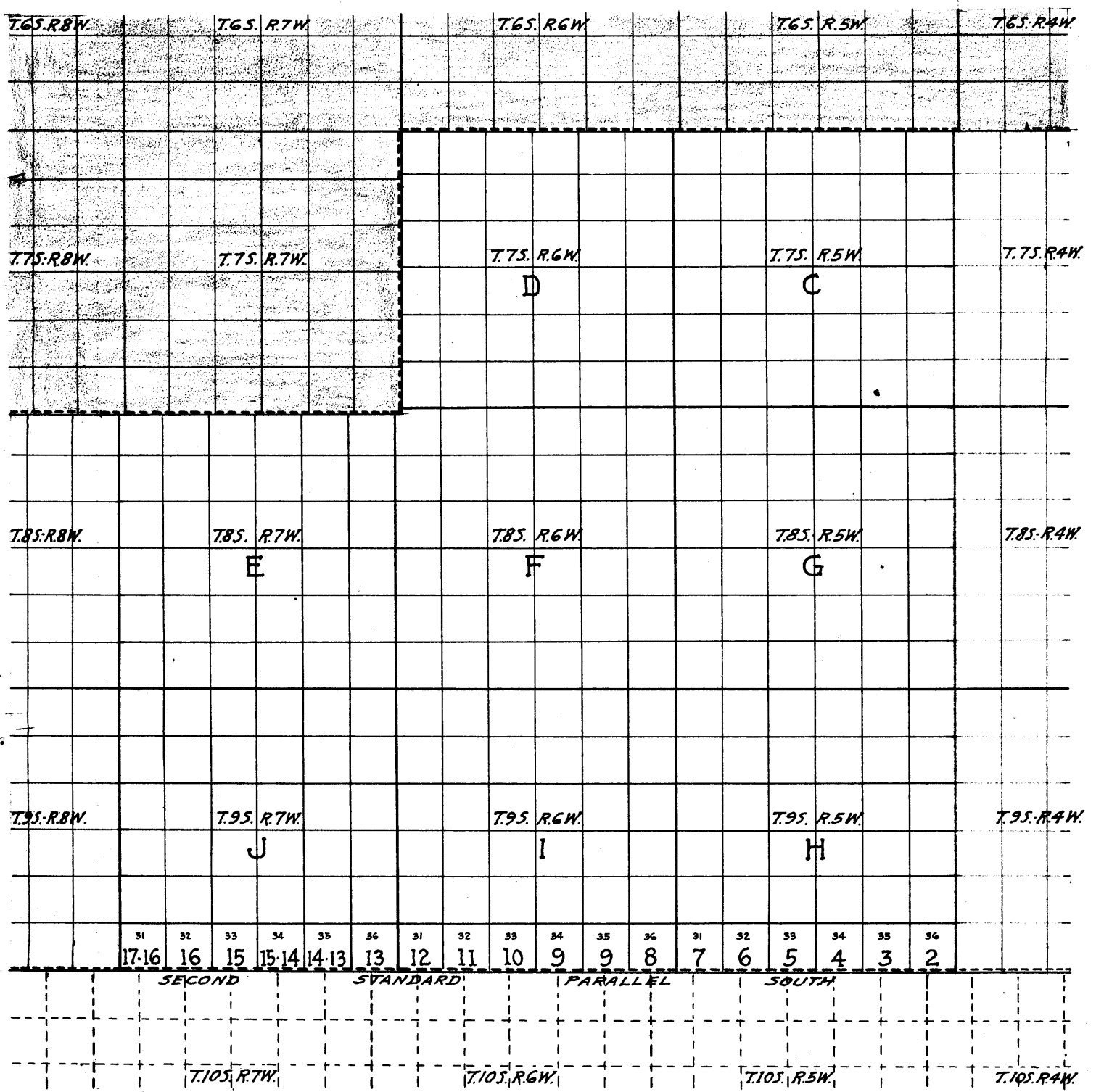
INDEX DIAGRAM.

Township _____, Range _____



U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

INDEX-DIAGRAM.



Accepted surveys.

Unsurveyed

Resurveyed under this group. { Notes of 2nd Std. Par. 5. herein. Notes of Tp. Bdrs. in Book "B" }

Surveyed under this group. { Notes of Tp. Bdrs. in Book "B" Notes of Sub. Lines in Bks. C, D, E, F, G, H, I and J }

Resurveyed under Group No. 198.

Surveyed under Group No. 198.

Resurveyed under Group No. 200.

Surveyed under Group No. 200.

Areas surveyed as per accepted plats on file.

RESURVEY 2ND. STAN. PAR., S., through Rs. 5, 6, and 7 W. BOOK 4050

The independent resurvey of the 2nd standard parallel, south, along the S. boundaries of Tps. 9 S., Rs. 5, 6 and 7 W., was executed with W. & L.E. Gurley transit No. 20133 and Buff & Buff transit No. 10127 by Alex. T. Harris, U.S. Cadastral Engineer and Walter H. Good, U.S. Surveyor. Both instruments are property of the General Land Office and are equipped with full vertical circles with one double vernier, each, reading to single minutes, which is also the least count of the two verniers of the horizontal limb of each instrument. They are also equipped with the improved Smith solar attachment, counterbalanced, which are not used in the initiation of lines described in the following notes. The instruments were in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, were approved by the district cadastral engineer on Dec. 15, 1933.

The types of land, timber and undergrowth along the line offer few objections to projection of lines by secant and tangent methods used; all obstructing timber is removed.

The measurements are made with Lallie steel tapes, 5 chs. in length, graduated every link for the first 100 lks. and the remainder at intervals of 10 lks. The tapes were tested by comparison with a Lufkin standard and found correct. Measurements are made on the slope; the vertical angle of each interval is determined with a clinometer in good adjustment; the reduced horizontal equivalents are shown in the field note record.

January 1, 1934, at the standard cor. of Tps. 9 S., Rs. 4 and 5 W., using Gurley transit No. 20133, in latitude $32^{\circ}35'36''$ N., longitude $112^{\circ}43'04''$ W., as shown in the data furnished with the special instructions, at 3⁰⁰ p.m., l.m.t., make a series of three altitude observations on the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal deflection angle from a giant cactus about 1 mile westerly.

Mean horizontal angle-----	51° 38' 45"
Mean vertical angle-----	23° 30' 00"
Reduced bearing to cactus----	N. 89° 54' 59" W.

Turning from the mean point in the line determined by direct altitude observation on the sun for azimuth above described, we set a point on the secant which indicates an angle of $03'22''$ S. from the cactus.

RESURVEY 2ND STAN. PAR., S., through R.5 W.

Chains

The 2nd Stan. Par., S., through R.5 W., was surveyed in 1893 by L. Wolfley, U.S.D.S. As no areas are returned as surveyed on either side of the line it is subject to an independent resurvey.

The 2nd Stan. Par., S., through R.4 W., was independently resurveyed under current Group 198. The following notes describe the continuation of that resurvey through R.5 W., together with the location of and description and destruction of the corner monuments of the 1893 survey.

Beginning at the standard cor. of Tps. 9 S., Rs. 4 and 5 W., an iron post, 3 ins. diam., projecting 8 ins. above ground, firmly set and mkd. on brass cap and witnessed as described in the official record of Group 198,

West, with the establishment of the 2nd standard parallel south, along the S. bdy. of sec. 36, T.9 S., R.5 W., on a transit line describing the secant, which starts from a point 3 lks. S. of the Tp. cor. and bears N.89°58.3'W.

Over gently rolling land; through scattering timber and undergrowth.

23.80 The original standard $\frac{1}{4}$ sec. cor. of sec. 31, T.9 S., R.4 W. which is a malpais stone, 18x12x6 ins. above ground, mkd. SC $\frac{1}{4}$ on N. face, bears North, 10.50 chs. dist. Destroy all evidence of this corner.

33.80 Wash, 400 lks. wide, course NW.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is nothing.

40.00 N. 1 lk. from the secant,

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

SC

$\frac{1}{4}$ S36

1934

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

61.00 Wash, 20 lks. wide, course NW.

63.80 The original standard cor. of Tps. 9 S., Rs. 4 and 5 W., which is an ironwood post, unmarked, set in a mound of stone, bears North, 10.60 chs. dist. Destroy all evidence of this corner.

66.20 Wash, 50 lks. wide, course NW.

78.65 Wash, 40 lks. wide, course NW.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point-

By 1st set, 79.99 chs.

By 2nd set, 80.01 chs.; the mean of which is

80.00 On the secant

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 35 and 36, with brass cap mkd.

RESURVEY 2nd STAN. PAR., S., through R. 5 W.

3
BOOK 4050

Chains

S C	
T9S	R5W
<u>S35</u>	<u>S36</u>

1934

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

Land: gently rolling.

Soil: sandy, 2nd rate and rocky, 4th rate.

Timber: ironwood, mesquite and palo verde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

West, along the S. bdy. of sec. 35 on a transit line
describing the secant, which bears N.89°58.9'W.

Over gently rolling land: through scattering timber and
undergrowth.

18.70 Foot of hill, bears N. and S., asc. 30 ft. over E. slope.

19.95 Spur, slopes S.; desc. 33 ft. over W. slope.

23.77 The original standard ¼ sec. cor of sec. 36, which is a malpais stone, 24x24x14 ins. above ground, mkd. SC ¼ on N. face, bears North, 10.91 chs. dist. ~~Destroy~~ all evidence of this corner.

24.90 Foot of hill, bears N. and S.; over gently rolling land.

25.90 Wash, 30 lks. wide, course NW.

30.00 Road, bears NW. and SE.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen
is 4 lks.; position of middle point -

By 1st set, 39.98 chs.

By 2nd set, 40.02 chs.; the mean of which is

40.00 S. 1 lk. from the secant,

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
ground, for standard ¼ sec. cor., with brass cap mkd.

SC	
¼	<u>S35</u>

1934

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

50.50 Wash, 30 lks. wide, course NW.

63.00 Wash, 35 lks. wide, course NW.

65.40 The original standard cor. to secs. 35 and 36, which is a malpais stone, 20x15x8 ins. above ground, mkd. SC and 5 notches on N. face, bears North, 10.50 chs. dist. Destroy all evidence of this corner.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is
2 lks.; position of middle point -

By 1st set, 79.99 chs.

By 2nd set, 80.01 chs.; the mean of which is

80.00 S. 2 lks. from the secant,

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground for standard cor. of secs. 34 and 35, with brass cap mkd.

S C	
T9S	R5W
S34	S35

1934

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

Land: gently rolling and hilly.

Soil: sandy and gravelly loam, stony, 2nd and 3rd rates.

Timber: ironwood, mesquite and palo verde.

Undergrowth: catclaw, ocotillo and cactus.

West along the S. bdy. of sec. 34, on a transit line describing the secant, which bears N.89°59.5'W.

Over gently rolling land; thru scattering timber and dense undergrowth.

25.47 The original standard ¼ sec. cor. of sec. 35, which is a malpais stone, 14x10x6 ins. above ground, mkd. SC ¼ on N. face, bears North, 10.55 chs. dist. Destroy all evidence of this corner.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point -

By 1st set, 39.99 chs.

By 2nd set, 40.01 chs.; the mean of which is

40.00 S. 2 lks. from the secant,

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for standard ¼ sec. cor., with brass cap mkd.

SC	
¼	S34

1934

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

65.60 The original standard cor. of secs. 34 and 35, which is a malpais stone, 12x8x4 ins. above ground, mkd. SC and 5 notches on N. face, bears North, 10.50 chs. dist. Destroy all evidence of this corner.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point -

By 1st set, 79.99 chs.

By 2nd set, 80.01 chs.; the mean which is

80.00 S. 3 lks. from the secant,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 33 and 34, with brass cap mkd.

S C	
T9S	R5W
S33	S34

1934

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

RESURVEY 2ND. STAN. PAR., S., through R.5 W.

BOOK 4050

Chains

Land: gently rolling.
 Soil: sandy and gravelly loam, 2nd rate.
 Timber: ironwood, mesquite and palo verde.
 Undergrowth: greasewood, catclaw and cactus.

West, along the S. bdy. of sec. 33, on a transit line, describing the secant, which bears West.

Over gently rolling land; through scattering timber and dense undergrowth.

25.84 The original standard $\frac{1}{4}$ sec. cor. of sec. 34, which is a malpais stone, 12x6x4 ins. above ground, mkd. SC $\frac{1}{4}$ on N. face, bears North, 10.90 chs. dist. Destroy all evidence of this corner.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 1 lk.; position of middle point -

By 1st set, 39.995 chs.

By 2nd set, 40.005 chs.; the mean of which is

40.00 S. 2 lks. from the secant,

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

SC
 $\frac{1}{4}$ S33

1934

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

60.90 Wash, 30 lks. wide, course SW.

66.10 The original standard cor. of secs. 33 and 34, which is a malpais stone, 14 x 6 x 4 ins. above ground, mkd. SC and 5 notches on N. face, bears North, 10.57 chs. dist. Destroy all evidence of this corner.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks., position of middle point -

By 1st set, 79.99 chs.:

By 2nd set, 80.01 chs.; the mean of which is

80.00 S. 2 lks. from the secant,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 32 and 33, with brass cap mkd.

S.C
 T9S R5W
 S32 S33

1934

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

Land: gently rolling.
 Soil: sandy and gravelly loam, stony, 2nd rate.
 Timber: ironwood, mesquite and palo verde.
 Undergrowth: greasewood, catclaw, ocotillo and cactus.

RESURVEY 2ND STAN. PAR., S., through R.5 W.

Chains

West, along the S. bdy. of sec. 32, on a transit line, describing the secant, which bears S.89°59.5'W.

Over gently rolling land, through scattering timber and dense undergrowth.

26.35 The original standard $\frac{1}{4}$ sec. cor. of sec. 33, which is a malpais stone, 14 x 8 x 6 ins. above ground, mkd. SC on N. face, bears North, 10.50 chs. dist. Destroy all evidence of this corner.

30.00 Wash, 15 lks. wide, course SW.

32.20 Wash, 15 lks. wide, course N.80°W.

34.00 Wash, 30 lks. wide, course SW.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 3 lks.; position of middle point -
by 1st set, 39.985 chs.
by 2nd set, 40.015 chs.; the mean of which is

40.00 S. 1 lk. from the secant,

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

SC
 $\frac{1}{4}$ S32

1934

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

66.63 The original standard cor. of secs. 32 and 33, which is a malpais stone, 14 x 8 x 6 ins. above ground, mkd. SC on N., 3 notches on W. and 2 notches on E. faces, bears North, 10.50 chs. dist. Destroy all evidence of this cor.

66.70 Wash, 40 lks. wide, course SW.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point -
By 1st set, 79.99 chs.
By 2nd set, 80.01 chs.; the mean of which is

80.00 On the secant,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap mkd.

S C
T9S | R5W
S31 | S32

1934

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

Land: gently rolling.

Soil: sandy and gravelly loam, stony, 2nd rate.

Timber: ironwood, mesquite and palo verde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

RESURVEY 2ND STAN. PAR., S., through R.5 W.

BOOK 4050

Chains West, along the S. bdy. of sec. 31, on a transit line describing the secant, which bears S.89°58.9'W.

Over rolling land; through scattering timber and dense undergrowth.

12.50 Wash, 20 lks. wide, course NW.

20.00 Wash, 20 lks. wide, course from NE. to W.

26.88 The original standard $\frac{1}{4}$ sec. cor. of sec. 32, which is a malpais stone, 12 x 8 x 6 ins. above ground, mkd. SC $\frac{1}{4}$ on N. face, bears North, 10.50 chs. dist. Destroy all evidence of this corner.

35.00 Wash, 20 lks. wide, course from E. to SW.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point -
By 1st set, 39.99 chs.
By 2nd set, 40.01 chs.; the mean of which is

40.00 N. 1 lk. from the secant,

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

SC
 $\frac{1}{4}$ S31

1934

raise a mound

of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

49.20 Wash, 30 lks. wide, course from SE. to W.

58.30 Same wash, course from E. to SW.

62.95 Wash, 30 lks. wide, course NW.

66.90 The original standard cor. of secs. 31 and 32, which is a malpais stone, 14 x 8 x 6 ins. above ground, mkd. SC on N., 1 notch on E. and 5 notches on W. faces bears North, 10.25 chs. dist. Destroy all evidence of this corner.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 3 lks.; position of middle point -
By 1st set, 79.985 chs.
By 2nd set, 80.015 chs.; the mean of which is

80.00 N. 3 lks. from the secant,

Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, for standard cor. of Tps. 9 S., Rs. 5 and 6 W., with brass cap mkd.

SC
T 9 S
R6W | R5W
S36 | S31

1934

raise a mound

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

Land: rolling.
Soil: sandy and gravelly loam, stony, 2nd rate.
Timber: ironwood, mesquite and palo verde.
Undergrowth: greasewood, catclaw and cactus.

RESURVEY 2ND STAN., PAR., S., through R. 6 W.

Chains

The 2nd Stan. Par., S., through R. 6 W., was surveyed in 1893 by L. Wolfley, U.S.D.S. As no areas are returned as surveyed on either side of the line it is subject to an independent resurvey. The following notes describe a continuation of the resurvey, described in the foregoing, through R. 5 W.

Beginning at the standard cor. of Tps. 9 S., Rs. 5 and 6 W., hereinbefore described;

West, with the establishment of the second standard parallel, south, along the S. bdy. of sec. 36, T. 9 S., R. 6 W., on a transit line describing the secant, which starts from a point 3 lks. S. of the Tp. cor. and bears N. 89° 58.3' W.

Over gently rolling land; through scattering timber and dense undergrowth.

29.70 Old road, bears N. and S.

39.80 Wash, 20 lks. wide, course NW.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set, 40.01 chs.

By 2nd set, 39.99 chs.; the mean of which is

40.00 N. 1 lk. from the secant,

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

S C

S36

1934

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

54.30 Same wash as above, 20 lks. wide, course S. 80° W.

56.10 Same wash, course N. 80° W.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point -

By 1st set, 80.01 chs.

By 2nd set, 79.99 chs.; the mean of which is

80.00 On the secant,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 35 and 36, with brass cap mkd.

S C

T9S R6W

S35 | S36

1934

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

Land: gently rolling.

Soil: sandy loam, 2nd rate; gravelly and rocky, 3rd rate.

Timber: very scattering ironwood, mesquite and paloverde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

19

BOOK 4050

RESURVEY 2ND STAN. PAR., S., through R.6 W.

Chains

West, along the S. bdy. of sec. 35, on a transit line describing the secant, which bears N.89°58.9'W.

Over gently rolling land; through scattering timber and dense undergrowth.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; the position of middle point -

By 1st set, 40.01 chs.

By 2nd set, 39.99 chs.; the mean of which is

40.00 S. 1 lk. from the secant,

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.

S C
 $\frac{1}{4}$ S35

1934

raise a mound

of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

62.60 Tucson, Cornelia and Gila Bend R.R., bears N.2 $\frac{1}{2}$ °W. to Gila Bend and S.2 $\frac{1}{2}$ °E. to Ajo.

64.10 Telegraph line, bears N.2 $\frac{1}{2}$ °W. and S.2 $\frac{1}{2}$ °E.

65.60 Highway, parallels railroad.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point -

By 1st set, 80.01 chs.

By 2nd set, 79.99 chs.; the mean of which is

80.00 S. 2 lks. from the secant,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 34 and 35, with brass cap mkd.

S C
T9S | R6W
S34 | S35

1934

raise a mound

of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Land: gently rolling.

Soil: sandy loam, 2nd rate; gravelly loam, 3rd rate.

Timber: ironwood, mesquite and palo verde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

West, along the S. bdy. of sec. 34, on a transit line describing the secant, which bears N.89°59.5'W.

Over gently rolling land; through scattering timber and dense undergrowth.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point -

By 1st set, 40.01 chs.

By 2nd set, 39.99 chs.; the mean of which is

40.00 S. 2 lks. from the secant,

RESURVEY 2ND. STAN. PAR., S., through R.6 W.

Chains

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

SC

$\frac{1}{4}$ S34

1934

18 x 12 ins., E. and W. of post, 3 ft. dist. dig pits, 18 x

69.40 Telephone line, bears N.10°E. and S.10°W.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point -

By 1st set, 80.01 chs.

By 2nd set, 79.99 chs.; the mean of which is

80.00 S. 3 lks. from the secant,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 33 and 34, with brass cap mkd.

S C

T9S R6W

S33 S34

1934

18 x 12 ins., E., W. and N. of post, 3 ft. dist. dig pits, 18 x

Land: gently rolling.

Soil: sandy loam, 2nd. rate; gravelly and rocky, 3rd rate.

Timber: ironwood, mesquite and palo verde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

West, along the S. bdy. of sec. 33, on a transit line describing the secant, which bears West.

Over gently rolling land; through scattering timber and dense undergrowth.

31.60 Old road, bears NE. and SW.

39.90 Wash, 8 lks. wide, course NW.

Diff. bet. meas. of 40.00 chs. by 2 sets of chainmen is 2 lks.; position of middle point -

By 1st set, 40.01 chs.

By 2nd set, 39.99 chs.; the mean of which is

40.00 S. 2 lks. from the secant,

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

SC

$\frac{1}{4}$ S33

1934

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

43.70 Wash, 35 lks. wide, course NW.

58.60 Wash, 70 lks. wide, course N.

RESURVEY 2ND STAN. PAR., S., through R.6 W.

BOOK 4050

Chains

61.50 Old road, bears NW. and S.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 1 lk.; position of middle point -

By 1st set, 80.005 chs.

By 2nd set, 79.995 chs.; the mean of which is

80.00 S. 2 lks. from the secant,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 32 and 33, with brass cap mkd.

S C
T9S R6W
S32 | S33

1934

18 x 12 ins., E., W. and N. of post, 3 ft. dist. dig pits, 18 x

Land: gently rolling.

Soil: sandy and gravelly, 2nd and 3rd rates.

Timber: ironwood, mesquite and palo verde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

West, along the S. bdy. of sec. 32, on a transit line describing the secant, which bears S.89°59.5'W.

Over gently rolling land; through scattering ironwood, mesquite, palo verde and greasewood.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is nothing.

40.00 S. 1 lk. from the secant,

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for standard $\frac{1}{2}$ sec. cor., with brass cap mkd.

SC
 $\frac{1}{2}$ S32

1934

18 x 12 ins., E. and W. of post, 3 ft. dist. dig pits, 18 x

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 1 lk.; position of middle point -

By 1st set, 80.005 chs.

By 2nd set, 79.995 chs.; the mean of which is

80.00 On the secant,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap mkd.

S C
T9S R6W
S31 | S32

1934

18 x 12 ins., E., W. and N. of post, 3 ft. dist. dig pits, 18 x

Land: gently rolling.

Soil: sandy and gravelly loam, 2nd and 3rd rates.

Timber: ironwood, mesquite and palo verde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

RESURVEY 2ND STAN. PAR., S., through R. 6 W.

Chains

West, along the S. bdy. of sec. 31, on a transit line describing the secant, which bears S.89°58.9'W.

Over rolling land; through scattering timber and dense undergrowth.

2.40 Wash, 20 lks. wide, course N.

24.50 Road, bears NW. and SE.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 1 lk.; position of middle point -

By 1st set, 40.005 chs.

By 2nd set, 39.995 chs., the mean of which is

40.00 N. 1 lk. from the secant,

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap mkd.

SC
S31

1934

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

76.00 Road, bears NE. and SW.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is nothing

80.00 N. 3 lks. from the secant,

Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, for standard cor. of Tps. 9 S., Rs. 6 and 7 W., with brass cap mkd.

SC
T 9 S
R7W | R6W
S36 | S31

1934

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

Land: gently rolling..

Soil: sandy and gravelly, 2nd, 3rd and 4th rates.

Timber: ironwood, mesquite and palo verde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

Note: No trace of original standard corners were found through R. 6 W.

Chains

The 2nd Stan. Par., S., through R.7 W., was surveyed in 1893 by L. Wolfley, U.S.D.S. As no areas are returned as surveyed on either side of the line it is subject to an independent resurvey. The following notes describe a continuation of the resurvey, described in the foregoing, through R.6 W.

Beginning at the standard cor. of Tps. 9 S., Rs. 6 and 7 W., hereinbefore described,

West, with the establishment of the 2nd standard parallel, S., along the S. bdy. of sec. 36, T.9 S., R.7 W., making proper offsets to the N. from the tangent to the parallel at intervals of 40.00 chs.

Over rolling land; through scattering timber and dense undergrowth.

6.90 Wash, 35 lks. wide, course NE.; asc. 260 ft. over rocky E. slope.

26.50 Spur, slopes N.; desc. 194 ft. over W. slope.

36.00 Wash, 4 lks. wide, course NE.; asc. 44 ft. over NE. slope.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point -

By 1st set, 40.01 chs.

By 2nd set, 39.99 chs.; the mean of which is

40.00 N. $\frac{1}{2}$ lk. from the tangent

Set a malpais stone, 20 x 18 x 14 ins., 4 ins. in the ground to bedrock, supported in a mound of stone, for standard $\frac{1}{4}$ sec. cor., mkd. SC $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

52.85 Rocky ridge, bears NW. and SE.; desc. 187 ft. over SW. slope.

59.00 Base of steep descent, bears NW. and SE.; desc. 58 ft. over gradual SW. slope.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point -

By 1st set, 80.01 chs.

By 2nd set, 79.99 chs.; the mean of which is

80.00 N. 1 lk. from the tangent,

Set a malpais stone, 20 x 8 x 8 ins., 8 ins. in the ground, to bedrock, supported in a mound of stone, for standard cor. of secs. 35 and 36, mkd. with 1 notch on E., 5 notches on W. and SC on N. faces; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Land: rolling and mountainous.

Soil: sandy, gravelly and rocky, 2nd and 4th rates.

Timber: ironwood, mesquite and palo verde.

Undergrowth: greasewood, catclaw, ocotillo and cactus.

S. 89°59'W., on the tangent, along S. bdy. of sec. 35.

Desc. slightly over rolling land; through scattering timber and dense undergrowth.

145

RESURVEY 2ND STAN. PAR., S., through R.7 W.

Chains

- 11.40 Wash, 25 lks. wide, course SE.; asc. slightly.
- Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point -
By 1st set, 40.01 chs.
By 2nd set, 39.99 chs.; the mean of which is
- 40.00 N. $1\frac{1}{2}$ lks. from the tangent,
- Set a malpais stone, 20 x 14 x 12 ins., 12 ins. in the ground to bedrock, supported in a mound of stone, for standard $\frac{1}{4}$ sec. cor., mkd. SC $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- Asc. slightly over rolling land.
- 49.00 Begin ascent of 117 ft. over rocky E. slope.
- 55.20 Base of cliff, faces NE.; asc. 75 ft.
- 55.65 Top of same; asc. 15 ft. over NE. slope.
- 56.00 Spur, slopes SE.; desc. 40 ft. over SW. slope.
- 61.00 Change to S. slope; asc. 66 ft.
- Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point -
By 1st set, 80.02 chs.
By 2nd set, 79.98 chs.; the mean of which is
- 80.00 N. 3 lks. from the tangent
- Set a malpais stone, 26 x 10 x 8 ins., 19 ins. in the ground, for standard cor. of secs. 34 and 35, mkd. with 2 notches on E., 4 notches on W. and SC on N. faces, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- Land: rolling and mountainous.
Soil: gravelly and rocky, 4th rate.
Timber: ironwood and palo verde.
Undergrowth: greasewood, ocotillo and cactus.
-
- S. $89^{\circ}58.9'W.$, on the tangent, along S. bdy. of sec. 34.
- Desc. 7 ft. over SW. slope; through scattering timber and undergrowth.
- 2.80 Wash, 4 lks. wide, course S. $80^{\circ}E.$; asc. 121 ft. over NE. slope.
- 20.00 Spur, slopes SE.; desc. 18 ft. over W. slope.
- 27.40 Head of gulch, course S.; asc. 55 ft. over E. slope.
- Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point,
By 1st set, 40.01 chs.
By 2nd set, 39.99 chs.; the mean of which is
- 40.00 N. 4 lks. from the tangent,
- Set a malpais stone, 20 x 12 x 12 ins., 10 ins. in the ground to solid rock, supported in a mound of stone, for standard $\frac{1}{4}$ sec. cor., mkd. SC $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Chains	Cor. stands on spur, slopes S.
	Desc. 29 ft. along S. slope.
62.70	Wash, 4 lks. wide, course SE.; asc. 26 ft. over NE. slope
69.00	Spur, slopes S.; desc. 60 ft. along rocky S. slope.
69.30	The original standard cor. of secs. 33 and 34, which is a malpais stone, mkd. SC on N., 3 notches on E. and 3 notches on W. faces, bears North, 7.58 chs. dist. Destroy all evidence of this corner.
	Diff. bet. meas. of 80.00 chs., by two sets of chainmen, is 2 lks.; position of middle point -
	By 1st set, 80.01 chs.
	By 2nd set, 79.99 chs.; the mean of which is
80.00	N. 6 lks. from the tangent,
	Set a malpais stone, 30 x 14 x 12 ins., 12 lms. in the ground to solid rock, supported in a mound of stone, for standard cor. of secs. 33 (and 34, mkd. with 3 notches on E., 3 notches on W. and SC on N. faces, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land: rolling and mountainous.
	Soil: gravelly and rocky, 4th rate.
	Timber: palo verde, mesquite and ironwood.
	Undergrowth: greasewood, ocotillo and cactus.
	S. 89°58.3'W., on the tangent, along S. bdy. of sec. 33.
	Desc. slightly over SW. slope; through scattering timber and undergrowth.
2.00	Wash, 6 lks. wide, course from W. to S. 75°E.
6.40	Junction of two washes, each 6 lks. wide, from SW. and NW. course E., asc. 59 ft. over E. slope.
22.00	Spur from NW.; slopes E.; asc. 43 ft. along S. slope.
	Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 3 lks.; position of middle point -
	By 1st set, 40.015 chs.
	By 2nd set, 39.985 chs.; the mean of which is
40.00	N. 8 lks. from the tangent,
	Set a malpais stone, 20 x 10 x 7 ins., 8 lms. in the ground to solid rock, supported in a mound of stone, for standard cor. mkd. SC on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
40.20	Spur, slopes S.; desc. 52 ft. over W. slope.
44.65	Wash, 4 lks. wide, course S.; asc. 94 ft. over E. slope.
48.40	Spur, slopes S.; desc. 144 ft. over W. slope.
61.65	Wash, 12 lks. wide, course S.; asc. 166 ft. over NE. slope.
73.10	Spur, slopes SE.; desc. 157 ft. over SW. slope.
	Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point -
	By 1st set, 80.01 chs.
	By 2nd set, 79.99 chs.; the mean of which is

Chains
80.00

N. 10 lks. from the tangent,

Set a malpais stone, 24 x 12 x 8 ins., 6 ins. in the ground to solid rock, supported in a mound of stone, for standard cor. of secs. 32 and 33, mkd. with 4 notches on E., 2 notches on W. and SC. on N. faces; from which
A malpais stone, 3 x 2 x 1½ ft. above ground, bears North, 1½ lks. dist., mkd. X B0.

Land: rolling and mountainous.
Soil: gravelly and rocky, 4th rate.
Timber: palo verde and mesquite.
Undergrowth: greasewood, ocotillo and cactus.

S. 89° 57.8' W., on the tangent, along S. bdy. of sec. 32.

Desc. 413 ft. over SW. slope; through scattering timber and undergrowth.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set, 40.005 chs.
By 2nd set, 39.995 chs.; the mean of which is

40.00

N. 13 lks. from the tangent,

Set a malpais stone, 20 x 10 x 10 ins., 10 ins. in the ground, for standard cor. of sec. 30, mkd. SC ½ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Over gently rolling land.

60.00

Begin ascent of 69 ft. over E. slope.

64.00

Top of rocky butte, desc. 82 ft. over W. slope.

67.40

Wash, 1.2 lks. wide, course S., asc. 15 ft. over E. slope.

68.90

Top of ascent; thence over rolling land.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set, 80.01 chs.
By 2nd set, 79.99 chs.; the mean of which is

80.00

N. 16 lks. from the tangent,

Set a malpais stone, 20 x 10 x 6 ins., 16 ins. in the ground, for standard cor. of secs. 31 and 32, mkd. with 5 notches on E., 1 notch on W. and SC on N. faces, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Land: mountainous, rolling and broken mesa.
Soil: gravelly and rocky, 4th rate.
Timber: palo verde, mesquite and ironwood.
Undergrowth: greasewood and cactus.

S. 89° 57.3' W., on the tangent, along S. bdy. of sec. 31.

Over gently rolling land; through scattering timber and undergrowth.

15.15

Wash, 20 lks. wide, course S.

37.80

Wash, 20 lks. wide, course S.

RESURVEY 2ND STAN. PAR., S., through R.7 W. BOOK 4050

Chains

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is nothing.

40.00 N. $19\frac{1}{2}$ lks. from the tangent,

Set a malpais stone, 20 x 10 x 6 ins., 14 ins. in the ground for standard $\frac{1}{4}$ sec. cor., mkd. SC $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Asc. 17 ft. over gentle E. slope.

45.00 Base of hill, bears N. and S.; asc. 211 ft. over E. slope.

52.00 Spur, slopes SE.; desc. 183 ft. over SW. slope.

61.70 Wash, 15 lks. wide, course SE.; asc. 285 ft. over NE. slope.

72.60 Spur, slopes SE.; desc. 180 ft. over SW. slope.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point -

By 1st set, 80.02 chs.

By 2nd set, 79.98 chs.; the mean of which is

80.00 N. $23\frac{1}{2}$ lks. from the tangent,

Set an iron post, 3 ft. long, 3 ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for standard cor. of Tps. 9 S., Rs. 7 and 8 W., with brass cap mkd.

	S C	
	T 9 S	
R8W		R7W
S36		S31

1934

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

Land: rolling and mountainous.

Soil: gravelly and rocky, 4th rate.

Timber: palo verde and mesquite.

Undergrowth: greasewood, ocotillo and cactus.

Jan. 23, 1934; at the standard cor. of Tps. 9 S., Rs. 7 and 8 W., to verify the alinement of the parallel, in latitude $32^{\circ}35'36''$ N., and longitude $113^{\circ}01'34''$ W., my watch being 32m 04s fast of l.m.t., as compared to Western Union telegraph clock, at 6^h28^m p.m., l.m.t., I make an hour angle observation on Polaris, west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a back-sight flag on the tangent in the direction of E.- N.

Mean horizontal angle, Polaris to flag--- $90^{\circ}16'12''$

Azimuth of Polaris----- 19'30''

True bearing of flag-----N. $89^{\circ}56'42''$ E.

RESURVEY 2ND STAN. PAR., S., Through Rs. 5, 6 and 7 W.

GENERAL DESCRIPTION.

Land along the 2nd standard parallel, south, through Rs. 5 and 6 W., is desert and rolling land; through R. 7 W. it is rolling and mountainous. The sea-level elevation is about 1400 ft.

Soil in the desert lands is sandy and gravelly loam, 1st and 2nd rates; in the rougher lands is sandy and volcanic, 3rd and 4th rates.

Timber is scattering palo verde, ironwood and mesquite; undergrowth is greasewood, cats-claw and several varieties of cacti, including the ocotillo and giant (sahuaro).

There are no settlers or residential improvements along the line. The Tucson, Cornelia and Gila Bend Railroad and the highway bet. Gila Bend and Ajo cross the parallel near the standard cor. of secs. 34 and 35 of T. 9 S., R. 6 W. Grazing is poor on account of the low rate of rainfall. No indications of mineral were observed.

20

114

BOOK 4050

CERTIFICATE OF UNITED STATES SURVEYOR

I, Walter H. Good 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 12th day of December, 1933, I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, resurveyed all those parts or portions of the

Second Standard Parallel South

thru Range 7 West

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 resurvey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

tions, 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 resurvey.

Walter H. Good U.S. Surveyor

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

20 116
BOOK 4050
CERTIFICATE OF UNITED STATES SURVEYOR

I, Alex T. Harris U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 12 th day of December, 1933, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, ~~resurveyed~~ all those parts or portions of the Second Standard Parallel South thru Ranges 5 and 6 West 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 ~~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 ~~resurvey~~.

Alex T. Harris
U.S. Cadastral Engineer

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, May 16, 1935

The foregoing field notes of the ~~resurvey~~ of the Second Standard Parallel South thru Ranges 5, 6, and 7 West of the Gila and Salt River Meridian, in the State of Arizona

~~executed by~~ Alex T. Harris, U.S. Cadastral Engineer and
Walter H. Good, U.S. Surveyor

under special instructions dated December 12, 1933- Group 199, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~resurveys~~ they describe, are hereby approved.

Charles H. Johnson
U. S. Supervisor of Surveys.

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

~~U. S. Supervisor of Surveys.~~