

Book A.

BOOK 4060

FIELD NOTES

of the

resurvey of a portion of the Second Standard Parallel South, through
Range 3 West; and through Range 4 West,

Of the Gila & Salt River Meridian,

In the State of Arizona

EXECUTED BY

George F. Rigby, U. S. Cadastral Engineer, and

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

Under special instructions dated December 12, 1933, which provided
for the surveys included under Group No. 198, bearing the approval of the
Commissioner of the General Land Office under date of March 26, 1934.

and assignment instructions dated December 15, 1933.

Survey commenced December 26, 1933.

Survey completed January 4, 1934.

4060

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INDEX DIAGRAM.

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INDEX DIAGRAM

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R.5 W.

T.9 S.
R.4 W.

T.9 S.
R.3 W.

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2nd Standard Parallel South

Independent Resurvey of a Portion of the 2nd Standard

Parallel South, through R. 3 W.

BOOK 4060

The independent resurvey of a portion of the 2nd standard parallel south, through Rs. 3 and 4 W., was executed with W. & L.E. Gurley transits Serial Nos. 2350 and 20133, constructed in accordance with the standard specifications of the General Land Office. 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, was approved by the district cadastral engineer on December 15, 1933.

The direction of the line was determined by the solar transit method. The measurements were made with Lallie steel tapes 5 chs. in length, graduated every link for the first 100 lks. and the balance at intervals of 10 lks. The tapes were 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 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 SW. cor. of T. 5 S., R. 4 W., G & S R. M., as follows: latitude $32^{\circ}56'30''$ N., and Longitude $112^{\circ}43'00''$ W.

Dec. 23, 1933, in camp at Gila Bend, Arizona, about 10 chs. N. of the SW. cor. of T. 5 S., R. 4 W., G. & S.R. M., with W. & L.E. Gurley transit No. 2350, at 2h 01m 48s a.m., by my watch which reads correct 105th meridian time as determined from Western Union clock, I observe Polaris at western elongation, making two sights each with the telescope in direct and reversed positions, and placing a tack at the mean point on a peg driven firmly in the ground, about 10 chs. N.

After sunrise I lay off the azimuth of Polaris $1^{\circ}17'41''$ and mark a meridian on a second peg to the east of the mean point in the line determined by the observation.

In order to verify the latitude of this station and the reading of my watch, I make a meridian observation of the sun, first setting on the lower limb and noting the transit of the west limb, then, after reversal of the instrument, setting on the upper limb and noting the transit of the east limb as follows:

Mean observed altitude	$33^{\circ} 38' 25''$
Reduced latitude	$32^{\circ} 56' 32.3''$ W.
Mean watch time of observation	12h 30m 00s
Watch fast of l.m.t	30m 56.53s
Same by reference to Western Union clock and calculated difference in longitude.	30m 52s

December 26, 1933, at the standard cor. of secs. 32 and 33 on the S. bdy. of T. 9 S., R. 3 W., G. & S.R. M., in latitude $32^{\circ}35'30''$ N., and longitude $112^{\circ}34'45''$ W., at 9h 13.5 m a.m., standard time, I make a series of four altitude observations upon 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 cactus on the sky line, five miles to the SE., SE. to the sun.

Independent Resurvey of a Portion of the 2nd Standard

Parallel South, through R. 3 W.

	Time 9h 10m	±	±	±	±	±	±
Direct	Time 9h 10m	±	±	±	±	±	±
Reversed	Time 9h 17m	±	±	±	±	±	±
	Hor. Angles	Vert. Angles	Hor. Angles	Vert. Angles	Hor. Angles	Vert. Angles	Hor. Angles
Direct	2°26'	16°05'	1°44'	16°13'	2°10'	16°20'	1°28'
Reversed	0°38'	17°40'	1°20'	17°31'	0°56'	17°24'	1°41'
Sun	2°64'	33°45'	2°64'	33°44'	2°66'	33°44'	2°69'
Mean	1°32'	16°52½'	1°32'	16°52'	1°33'	16°52'	1°34½'

By 1st obsn. cactus bears S.45°12'30"E.
 " 2nd " " " S.45°13'00"E.
 " 3rd " " " S.45°12'00"E.
 " 4th " " " S.45°13'30"E.

Mean true bearing of cactus S.45°12'45"E.

Every 30 min. from 8 to 10.30 a.m. and from 1.30 to 4 p.m., we make proper settings on the arcs of the solar attachments and ascertain that the resulting orientation of the instruments, when compared with the meridian established by direct altitude observation of the sun for azimuth, has a maximum error of less than 1'30".

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

The 2nd standard parallel south, along the S. bdy. of Tps. 9 S., Rs. 3 and 4 W., was originally surveyed in 1883 by L. Wolfley; U.S. Deputy Surveyor.

The following notes describe an independent resurvey of the 2nd standard parallel south along the W. two miles of R. 3 W., and through R. 4 W.

Beginning at the standard cor. of secs. 32 and 33 on the S. bdy. of T. 9 S., R. 3 W., which is an iron post, 3 ins. diam., 12 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

West, along the S. bdy. of sec. 32.

Over rolling desert land, through scattering timber and undergrowth.

3.40 Wash, 50 lks. wide, course N.10°W.; asc. 30 ft. over SE. slope.

16.00 Low spur, slopes N.; desc. 25 ft. over SW. slope.

31.00 Wash, 10 lks. wide, course NW; continue over rolling desert land.

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

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for standard ¼ sec. cor., with brass cap mkd.

SC
 ¼ S 32

1933

Parallel South, through R. 3 W.

4060

Chains.	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Find no trace of the original standard $\frac{1}{2}$ sec. cor.												
59.50	Small saddle between knolls, bears NW. and SE.												
68.90	Wash, 10 lks. wide, course N.												
78.40	Wash, 40 lks. wide, course NE.												
	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	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap mkd.												
	<table style="margin: auto;"> <tr><td></td><td>S</td><td>C</td><td></td></tr> <tr><td>T 9</td><td>S</td><td>R 3</td><td>W</td></tr> <tr><td>S 31</td><td> </td><td>S 32</td><td></td></tr> </table> <p>1933</p>		S	C		T 9	S	R 3	W	S 31		S 32	
	S	C											
T 9	S	R 3	W										
S 31		S 32											
	from which												
	A mesquite, 5 ins. diam., bears N.15°E., 36 lks. dist., mkd. T 9 S R 3 W S 32 S C B T.												
	A mesquite, 8 ins. diam., bears N.41°W., 138 lks. dist., mkd. T 9 S R 3 W S 31 S C B T.												
	Find no trace of the original standard cor. of secs. 31 and 32.												
	Land, rolling. Soil, gravelly, 3rd rate; and rocky, 4th rate. Timber, scattering palo verde, mesquite and ironwood; undergrowth, greasewood, sage brush, cactus and ocotillo.												

	West, along the S. bdy. of sec. 31.												
	Over rolling desert land, through scattering timber and undergrowth.												
	Diff. bet. meas. of 40.00 chs., by two sets of chainmen, is nothing.												
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for standard $\frac{1}{2}$ sec. cor., with brass cap mkd.												
	<table style="margin: auto;"> <tr><td></td><td>S</td><td>C</td></tr> <tr><td>$\frac{1}{2}$ S</td><td> </td><td>31</td></tr> </table> <p>1933</p>		S	C	$\frac{1}{2}$ S		31						
	S	C											
$\frac{1}{2}$ S		31											
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Find no trace of the original standard $\frac{1}{2}$ sec. cor.												
43.40	Wash, 15 lks. wide, course N.60°E.												
	Diff. bet. meas. of 80.00 chs., by two sets of chainmen, is nothing.												

Independent Resurvey of a Portion of the 2nd Standard

Parallel South; through R. 3 W.

Chains
80.00

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for standard cor. of Tps. 9 S., Rs. 3 and 4 W., with brass cap mkd.

S C
T9S
R 4 W | R 3 W
S 36 | S 31

1933

from which

An ironwood, 5 ins. diam., bears N.19°E., 78 lks. dist., mkd. T 9 S R 3 W S 31 S C B T.

An ironwood, 10 ins. diam., bears N.66 $\frac{1}{2}$ °W., 165 lks. dist., mkd. T 9 S R 4 W S 36 S C B T.

Find no trace of the original standard cor. of Tps. 9 S., Rs. 3 and 4 W.

Land, rolling.

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

Timber, scattering mesquite, and ironwood; undergrowth, greasewood, sage brush, cactus and catclaw.

Independent Resurvey of the 2nd Standard Parallel South,
through R. 4 W.

From the standard cor. of Tps. 9 S., Rs. 3 and 4 W.

West, along the S. bdy. of sec. 36.

Over rolling desert land, through scattering timber and undergrowth.

5.20 Wash, 7 lks. wide, course N.30°E.

16.10 Wash, 10 lks. wide, course N.30°E.

27.00 Wash, 30 lks. wide, course N.45°E.; asc. 215 ft. over gradual, broken E. slope.

33.50 Small spur, slopes SE.

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

S C
 $\frac{1}{4}$ S 36

1933

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

Find no trace of the original standard $\frac{1}{4}$ sec. cor.

Independent Resurvey of the 2nd Standard Parallel South, 5
through R. 4 W.

Chains.
41.40 Wash, 70 lks. wide, course SE.
43.50 Wash, 30 lks. wide, course S.20°E.
61.30 Wash, 50 lks. wide, course S.10°W.
64.90 Wash, 75 lks. wide, course S.; asc. 110 ft. over gradual E. slope.
70.00 Spur, slopes S.; continue over rolling land.
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 Set an iron post, 3 ft. long, 2 ins. diam., on surface rock, with a cross X, mkd. at the base, and in a mound of stone to top, for standard cor. of secs. 35 and 36, with brass cap mkd.

S C
T 9 S | R 4 W
S 35 | S 36

1933

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

Find no trace of the original standard cor. of secs. 35 and 36.

Land, rolling.
Soil, rocky; 4th rate.
Timber, scattering palo verde, ironwood and mesquite;
undergrowth, greasewood, sage brush, cactus and ocotillo.

West, along the S. bdy. of sec. 35.

Over mountainous land, through scattering timber and undergrowth.

Ascend 75 ft. over E. slope.

2.50 Spur, slopes NW.; desc. 250 ft. over W. slope.

24.00 Wash, 30 lks. wide, course N.10°W.; asc, 130 ft. over NE. slope.

35.20 Spur, slopes N.; desc. 15 ft. over NW. slope.

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

40.00 Set an iron post, 3 ft. long, 1 in. diam., on surface rock, with a cross X, mkd. at the base, and in a mound of stone to top, for standard ½ sec. cor., with brass cap mkd.

S C
½ S 35

1933

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

6 Independent Resurvey of the 2nd Standard Parallel South,
through R. 4 W.

Chains.	Find no trace of the original standard $\frac{1}{4}$ sec. cor. Descend 65 ft. over NW, slope.
43.40	Wash, 5 lks. wide, course NW.; asc. 40 ft. over NE. slope.
49.35	Spur, slopes NW.; desc. 125 ft. over W. slope.
55.60	Wash, 15 lks. wide, course N.30°W.; asc. 80 ft. over NE. slope.
60.55	Spur, slopes N.; desc. 130 ft. over NW. slope.
68.10	Wash, 15 lks. wide, course N.; asc. 75 ft. over NE. slope.
76.00	Spur, slopes N.15°W.
	Diff. bet. meas. of 80.00 chs., by two sets of chainmen, is 6 lks.; position of middle point- By 1st set, 80.03 chs. By 2nd set, 79.97 chs.; the mean of which is
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 standard cor. of secs. 34 and 35, with brass cap mkd.
	S C T 9 S R 4 W S 34 S 35 1933
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Find no trace of the original standard cor. of secs. 34 and 35.
	Land, mountainous. Soil, rocky; 4th rate. Timber, scattering palo verde, mesquite and ironwood; undergrowth, greasewood, sage brush, cactus and ocotillo.
	West, along the S. bdy. of sec. 34. Over rolling mountains, through scattering timber and undergrowth. Descend 115 ft. over broken NW. slope.
7.50	Wash, 10 lks. wide, course N.
12.00	Wash, 10 lks. wide, course NW.
27.65	Wash, 100 lks. wide, course N.; asc. 80 ft. over gradual 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	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 $\frac{1}{4}$ S 34 1933

11

7

1000

Independent Resurvey of the 2nd Standard Parallel South,
through R. 4 W.

Chains.	<p style="text-align: right;">raise a mound</p> <p>of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>Find no trace of the original standard $\frac{1}{4}$ sec. cor..</p> <p>Ascend 665 ft. over NE. slope.</p>
75.00	<p>Flat top ridge, bears N. and S.; desc. 70 ft. over W. slope.</p> <p>Diff. bet. meas. of 80.00 chs., by two sets of chainmen, is 4 lks.; position of middle point-</p> <p style="padding-left: 2em;">By 1st set, 80.02 chs.</p> <p style="padding-left: 2em;">By 2nd set, 79.98 chs.; the mean of which is</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for standard cor. of secs. 33 and 34, with brass cap mkd.</p> <div style="text-align: center;"> <p>S C</p> <p>T 9 S R 4 W</p> <p>S 33 S 34</p> <p>1933</p> </div> <p style="text-align: right;">raise a mound</p> <p>of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>Find no trace of the original standard cor. of secs. 33 and 34.</p> <p>Land, rolling mountains.</p> <p>Soil, rocky; 4th rate.</p> <p>Timber, scattering palo verde, mesquite and ironwood; undergrowth, greasewood, sage brush, cactus and ocotillo.</p> <hr style="border-top: 1px dashed black;"/> <p>West, along the S. bdy. of sec. 33.</p> <p>Over rolling mountains, through scattering timber and undergrowth.</p> <p>Descend 515 ft. over W. slope.</p>
20.20	<p>Wash, 20 lks. wide, course NW.; asc. 20 ft. over gradual NE. slope.</p> <p>Diff. bet. meas. of 40.00 chs., by two sets of chainmen, is nothing.</p>
40.00	<p>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 standard $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <div style="text-align: center;"> <p>S C</p> <p>$\frac{1}{4}$ S 33</p> <p>1933</p> </div> <p style="text-align: right;">raise a mound</p> <p>of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>Find no trace of the original standard $\frac{1}{4}$ sec. cor.</p>
40.50	<p>Top of spur, slopes N.; desc. 90 ft. over NW. slope.</p>
46.10	<p>Rocky wash, 30 lks. wide, course NW.; continue over rolling land.</p>
61.70	<p>Wash, 20 lks. wide, course N.80°E.; asc. 46 ft. over gradual SE. slope.</p>

8 Independent Resurvey of the 2nd Standard Parallel South,
through R. 4 W.

Chains.	Diff. bet. meas. of 80.00 chs., by two sets of chainmen, is nothing.						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 32 and 33, with brass cap mkd. <div style="text-align: center;"> <table border="1"> <tr><td>S</td><td>C</td></tr> <tr><td>T 9 S</td><td>R 4 W</td></tr> <tr><td>S 32</td><td>S 33</td></tr> </table> <p>1933</p> </div> <p style="text-align: right;">raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.</p> <p>Find no trace of the original standard cor. of secs. 32 and 33.</p> <p>Land, rolling mountains. Soil, rocky; 4th rate. Timber, scattering palo verde, mesquite and ironwood; undergrowth, greasewood, sage brush, cactus and ocotillo.</p> <p>-----</p> <p>West, along the S. bdy. of sec. 32.</p> <p>Over rolling mountains, through scattering timber and undergrowth.</p> <p>Along S. slope.</p>	S	C	T 9 S	R 4 W	S 32	S 33
S	C						
T 9 S	R 4 W						
S 32	S 33						
4.20	Rocky wash, 15 lks. wide, course SE.; asc. 160 ft. over steep E. slope.						
8.35	Point of spur, slopes NE.; continue along N. slope.						
15.00	Ravine, course NE.; asc. 320 ft. over E. slope.						
20.00	Top of bluff, 80 ft. high, bears N. and S.						
26.50	Ridge, bears N. and SW.; desc. 220 ft. over W. slope.						
35.50	Ravine, course N.20°W.; asc. 15 ft. over E. slope.						
	Diff. bet. meas. of 40.00 chs., by two sets of chainmen, is nothing.						
40.00	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 ¼ sec. cor., with brass cap mkd. <div style="text-align: center;"> <table border="1"> <tr><td>S</td><td>C</td></tr> <tr><td>¼</td><td>S 32</td></tr> </table> <p>1933</p> </div> <p style="text-align: right;">raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.</p> <p>Find no trace of the original standard ¼ sec. cor.</p> <p>Ascend 120 ft. over E. slope.</p>	S	C	¼	S 32		
S	C						
¼	S 32						
46.10	Ridge, bears SE. and NW.; desc. 645 ft. over SW. slope.						
79.80	Wash, 15 lks. wide, course NW. Diff. bet. meas. of 80.00 chs., by two sets of chainmen, is 4 lks.; position of middle point-						

Independent Resurvey of the 2nd Standard Parallel South, 9

through R. 4 W.

Chains.	By 1st set, 80.02 chs. By 2nd set, 79.98 chs.; the mean of which is
80.00	Set a tufa stone, 26x8x6 ins., 18 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. face; no accessories. The standard cor. of secs. 31 and 32, is located on S. bank of wash, course NW. Find no trace of the original standard cor. of secs. 31 and 32. Land, rolling mountains. Soil, rocky; 4th rate. Timber, scattering palo verde, mesquite and ironwood; undergrowth, greasewood, sage brush, cactus and ocotillo.

	West, along the S. bdy. of sec. 31 Over rolling desert hills, through scattering timber and undergrowth. Ascend 100 ft. over NE. slope.
19.50	Spur, slopes NW.; desc. 185 ft. over W. slope.
34.00	Base of hill, bears NW. and SE.; continue over rolling land. Diff. bet. meas. of 40.00 chs., by two sets of chainmen, is 6 lks.; position of middle point- By 1st set, 40.03 chs. By 2nd set, 39.97 chs.; the mean of which is
40.00	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. $\begin{array}{c} S C \\ \frac{1}{4} S 31 \\ \hline 1933 \end{array}$ raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Find no trace of the original standard $\frac{1}{4}$ sec. cor.
51.00	Low hill, bears NW. and SE.; desc. 45 ft. over gradual SW. slope.
69.30	Wash, 15 lks. wide, course NW.
79.80	Wash, 10 lks. wide, course N.10°W. Diff. bet. meas. of 80.00 chs., by two sets of chainmen, is nothing.
80.00	Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, for standard cor. of Tps. 9 S., Rs. 4 and 5 W., with brass cap mkd. $\begin{array}{c} S C \\ T9S \\ R 5 W R 4 W \\ S 36 S 31 \\ \hline 1934 \end{array}$

Independent Resurvey of the 2nd Standard Parallel South,
through R. 4 W.

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

Find no trace of the original standard cor. of Tps. 9 S.,
Rs. 4 and 5 W.

Land, rolling desert hills.

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

Timber, scattering palo verde, mesquite and ironwood;
undergrowth, greasewood, sage brush, cactus and ocotillo.

For final test of instruments Nos. 2350 and 20133; see
field notes of the exteriors of Tps. 6, 7, 8 and 9 S., Rs.,
3 and 4 W., resurveyed and surveyed under this group.

GENERAL DESCRIPTION.

The land along the 2nd standard parallel south, through
Rs. 3 and 4 W., is desert and rolling mountainous land.
The soil in the desert is sandy loam, 1st rate; and
gravelly, 3rd rate, while the soil in the mountain region
is rocky, 4th rate. The timber is scattering palo verde,
ironwood, mesquite and catclaw. The undergrowth is
scattering greasewood, catclaw, ocotillo, sage and
several varieties of cactus. Grazing shows little promise
because of the lack of water.

No mineral indications were found.

4-680
(August, 1926)

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Sloan A. Amos	1st Chainman.
Jess R. Horak	1st Chainman.
E. W. Fields	2nd Chainman.
Thomas D. Cage	2nd Chainman.
Foster William Kelly	2nd Chainman.
J. W. Peterson	Flagman.
Omar S. Boswell	Flagman.
Roy G. Capron	Cornerman.
Carrol White	Cornerman.
F. O. Colson	Axman.
M. L. Patrick	Axman.
Thomas L. Bond	Axman.
Otis L. Mosley	Axman.
Donovan D. Boyer	Moundman.
Erwin Peterson	Moundman.
Elbert T. Mosley	Moundman.

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copy

CERTIFICATE OF UNITED STATES SURVEYOR

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

Geo. F. Rigby, 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 12th day of December, 1933, we have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-

tions, and the laws of the United States, independently resurveyed a portion of the

Second Standard Parallel South, through Range 3 West; and through Range 4 West.

of the Gila and Salt

River Meridian, in the State of Arizona, which are represented in

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

the foregoing field notes as having been executed by us, and under our direction; and that all the corners of

said survey 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 independent resurvey.

For signature of Alex T. Harris, see attached certificate.

Geo. F. Rigby
U.S. Cadastral Engineer.
Glendale, California,
March 31, 1934.

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.

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14 BOOK 4060

CERTIFICATE OF UNITED STATES SURVEYOR

We, Geo. H. Rigby, U.S. Cadastral Engineer and 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 12th day of December, 1933.

We 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, independently resurveyed a portion of the 2nd Standard Parallel South, through Range 3 West; and through Range 4 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 us and under our direction; and that all the corners of said re survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Arizona

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

Alex T. Harris

U.S. Cadastral Engineer
Glendale, California,
March 17, 1934.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado. May 4, 1935.

The foregoing field notes of the independent resurvey of a portion of the Second Standard Parallel South, through Range 3 West; and through Range 4 West, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Geo. F. Rigby and Alex T. Harris, U.S. Cadastral Engineers,

under his special instructions dated December 12, 1933, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the re surveys they describe, are hereby approved.

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

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

U. S. Supervisor of Surveys.