

4-879  
(April 1933)

ECOM 4078

Book A.

# FIELD NOTES

of the

Dependent Resurvey of the First Standard Parallel South,

through Ranges 9, 10, 11 and 12 West,

4078

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Anthony C. Kimmell, U.S. Surveyor,

4078

Under special instructions dated February 15, 1934, which provided for the surveys included under Group No. 201, bearing the approval of the Commissioner of the General Land Office under date of April 13, 1934, and assignment instructions dated January 15, 1934.

Survey commenced January 22, 1934.

Survey completed March 15, 1934.

# INDEX DIAGRAM.

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

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BOOK 4078

INDEX DIAGRAM

T. 5 S.

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25 24 23 22 21	19 18 17 16 15	14 13 12 11 10	8 7 6 5 4 3		

FIRST STANDARD PARALLEL SOUTH.

## Resurvey of the 1st. Stan. Par. S., through R. 9 BOOK 4078

This resurvey was executed with Buff and Buff transit No. 9987, without solar attachment, property of the General Land Office.

The instrument is equipped with full vertical circle reading to single minutes, and is within the requirements of the General Land Office.

The transit was placed in satisfactory adjustment prior to beginning the survey, tested and found free from appreciable error and approved by the District Cadastral Engineer on January 15, 1934, During the progress of the resurvey, it was tested frequently and kept in satisfactory adjustment.

All measurements were made with 5 chs. steel tapes graduated every link for the first 100 links and thereafter at intervals of 10 links. The tapes were tested by comparison with a standard 1 chain steel tape and found correct. Measurements were made on the slope, the vertical angles determined by clinometers in good adjustment, distances reduced to horizontal which alone appear in the field notes.

The data furnished with the special instructions gives the geographic position of camp at Sentinel, Arizona, about 10 chs. N. of the cor. of secs. 5, 6, 31 and 32, Tps. 6 and 7 S., R. 9 W., G. & S.R., B. & M., as follows; latitude-  $32^{\circ}51'15''$ N., and longitude-  $113^{\circ}12'40''$ W.

Jan. 19, 1934, at the cor. of Tps. 6 and 7 S., Rs. 9 and 10 W., in lat.  $32^{\circ}51'12''$ N., and long,  $113^{\circ}13'45''$ W., I make a series of four altitude observations upon the sun for azimuth, such with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal deflection angles from a point set at the center of the top of the water tank at Sentinel, Arizona, about 1 mile to the NE; SE. to the sun.

Direct Time 9h 40m  
Reversed Time 9h 47m

	Hor. Angles	Vert. Angles	Hor. Angles	Vert. Angles	Hor. Angles	Vert. Angles	Hor. Angles	Vert. Angles
Direct	$56^{\circ}59'21''$	$21^{\circ}00'$	$57^{\circ}09'21''$	$21^{\circ}08'$	$57^{\circ}17'21''$	$21^{\circ}14'$	$57^{\circ}24'21''$	$21^{\circ}20'$
Reverse	$57^{\circ}36'21''$	$21^{\circ}21'$	$57^{\circ}26'21''$	$21^{\circ}14'$	$57^{\circ}19'21''$	$21^{\circ}06'$	$57^{\circ}08'20''$	$20^{\circ}59'$
Sum	$114^{\circ}35'42''$	$42^{\circ}21'$	$114^{\circ}35'42''$	$42^{\circ}22'$	$114^{\circ}36'42''$	$42^{\circ}20'$	$114^{\circ}32'42''$	$42^{\circ}19'$
Mean	$57^{\circ}17\frac{1}{2}'21''10\frac{1}{2}'$	$21^{\circ}10\frac{1}{2}'$	$57^{\circ}17\frac{1}{2}'21''11'$	$21^{\circ}11'$	$57^{\circ}18'21''10'$	$21^{\circ}10'$	$57^{\circ}16'21''09\frac{1}{2}'$	$21^{\circ}09\frac{1}{2}'$

By the 1st observation the tank bears	$N.76^{\circ}39'30''E.$
By the 2nd observation the tank bears	$N.76^{\circ}40'00''E.$
By the 3rd observation the tank bears	$N.76^{\circ}38'30''E.$
By the 4th observation the tank bears	$N.76^{\circ}40'00''E.$
The mean true bearing to tank	$N.76^{\circ}39'30''E.$

Jan. 21, 1934, in camp at Sentinel, Arizona, at 11h 32m p.m., l.m.t., I observe Polaris at western elongation, making two sights, each with the telescope in direct and reversed positions, and place a tack at the mean point on a peg driven firmly in the ground about 8 chs. N.

Azimuth of Polaris at western elongation is  $1^{\circ}14'30''$

After sunrise, I lay off the azimuth of Polaris to the E., and mark the meridian thus determined by a tack in a peg driven firmly in the ground, 8 chs. N.

## Resurvey of the 1st Stan. Par. S., through R. 9 W.

chains

Jan. 22, 1934

In order to verify the latitude of this station, 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	-- -- -- -- --	-- 38°28'15"
Reduced latitude	-- -- -- -- --	-- 32°51'14.3"
Mean watch time of observation	-- -- -- -- --	12h 44m 30s
Watch fast of local mean time	-- -- -- -- --	33m 10s
Same by reference to Western Union		
and corrected for longitude	-- -- -- -- --	32m 49.6s

Having verified the watch error and latitude and checking the meridian secured by direct observation at the cor. of Ts. 6 and 7 S., Rs. 9 and 10 W., with that secured by Polaris observation at camp by means of a check of bearing bet. the two; a meridian was carefully extended N. and W. to the standard cor. of T. 5 S., Rs. 9 and 10 W., on the first standard parallel south.

Dependent Resurvey of the 1st. Stan. Par. S., through Rs. 9, 10, 11 and 12 W., G. & S.R. B. and M., superseding the survey of 1874 by T.F. White, and resurvey through R. 9 W. in 1892 by L. Wolfley.

The secant method was employed in making the resurvey of the 1st. Stan. Par. S., through R. 9 W., the bearing of the secant was deflected from the meridian by repetition of angles and was carried forward by transit line, taking the mean of direct and reversed sights at each instrument station.

Beginning at a point 3 lks. S. of the standard cor. of Ts. 5 S., Rs. 9 and 10 W.,

N. 89°58'E., on the secant and random line along the S. bdy. of T. 5 S., R. 9 W.

40.05 A point 0.76 chs. N. of the standard  $\frac{1}{2}$  sec. cor. of sec. 31.

80.28 A point 1.40 chs. N. of the standard cor. of secs. 31 and 32.

Thence, N. 89°59'E., continuing measurement on the secant line along the S. bdy. of sec. 32.

112.28. Find no evidence of the closing cor. of secs. 5 and 6. T. 6 S., R. 9 W.; set temp. cor.

120.27 A point 2.04 chs. N. of the standard  $\frac{1}{2}$  sec. cor. of sec. 32.

160.40 A point 2.68 chs. N. of the standard cor. of secs. 32 and 33.

Thence East, continuing measurement on the secant line along the S. bdy. of sec. 33.

192.00 Find no evidence of the closing cor. of secs. 4 and 5; set temp. cor.

200.39 A point 3.32 chs. N. of the standard  $\frac{1}{2}$  sec. cor. of sec. 33.

240.52 A point 3.96 chs. N. of the standard cor. of secs. 33

Resurvey of the 1st. Stan. Par. S., through R. 9 W.

4078

chains	and 34.
	Thence, East, continuing measurement on the secant, along the S. bdy. of sec. 34.
271.52	Find no evidence of the closing cor. of secs. 2 and 3; leave temp. cor.
280.41	A point 4.61 chs. N. of the standard $\frac{1}{2}$ sec. cor. of sec. 34.
320.56	A point 5.12 chs. N. of the standard cor. of secs. 34 and 35.
	Thence, S.89°59'E., continuing measurement on the secant, along the S. bdy. of sec. 35.
360.65	A point 5.72 chs. N. of the standard $\frac{1}{4}$ sec. cor. of sec. 35.
400.92	A point 7.03 chs. N. of the standard cor. of secs. 35 and 36.
	Thence, S.89°58'E., continuing measurement on the secant along the S. bdy. of sec. 36.
430.83	Find no evidence of the closing cor. of secs. 1 and 2; leave temp. closing cor.
441.14	A point 8.33 chs. N. of the standard $\frac{1}{2}$ sec. cor. of sec. 36.
481.33	A point 9.00 chs. N. of the standard cor. of Tps. 5 S., Rs. 8 and 9 W., which is a decomposed stake in center of old mound of earth.
	At the point of the decomposed stake,
	Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for standard corner of Tps. 5 S., Rs. 8 and 9 W., with brass cap mkd.
	S C T 5 S R9W R8W S36   S31 S 1 T6S R9W 1934
	from which
	An original bearing tree,
	A fallen mesquite with scribe marks plainly legible, bears S.32°30'E., 71 lks. dist.
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Thence
	N.89°03'W., on true line on the S. bdy. of sec. 36.
	Over nearly level desert land, through scattering timber and undergrowth.
31.25	A desert road, bears N.30°E., and S.30°W.
36.10	Another road, bears NE. and SW.

Resurvey of the 1st. Stan. Par. S. through R. 9 W.

chains

40.18

The standard 1/4 sec. cor., which is an old stake, 3/8 ins. diam., imbedded in an old mound of earth and stone.

In place of the old stake, with same replaced alongside;

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock and with deposit of broken glass at base, supported in a mound of stone to top, for standard 1/4 sec. cor., with brass cap mkd.

S C  
1/4 S 36

1934

No accessories.

Thence, N.88°09'., on true line.

10.30

Proportional distance.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 1 and 2, with brass cap mkd.

T5S  
S36  
S2 | S1  
T6S | R9W  
C | C

1934

of stone, 2 ft. base, 1 1/2 ft. high, S. of cor. raise a mound

40.24

The standard cor. of secs. 35 and 36, which is the point of a decomposed stake in old mound of earth and stone.

In place of the decomposed stake,

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, with deposit of broken glass at base of post, and supported in a mound of stone to top, with brass cap mkd.

S C  
T5S | R9W  
S35 | S36  
S | 2  
T6S  
1934

No accessories.

Land, nearly level.

Soil, rocky, 3rd and 4th rate.

Timber, scattering palo verde, ironwood and mesquite.

Undergrowth, greasewood, sage cacti and ocatilla.

N.88°08'W., on true line bn the S. bdy. of sec. 35.

Over nearly level desert land, through scattering timber and undergrowth.

40.30

The standard 1/4 sec. cor. of sec. 35, which is an old scattered mound of stone,

## Resurvey of the 1st. Stan. Par. S. through R. 9 W.

chains

In center of old stone mound,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S C
<u><math>\frac{1}{4}</math> S 35</u>

1934

raise a mound

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

Thence,

N.89°08'W., on true line on S. bdy. of sec. 35.

9.45

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bedrock, with broken glass deposited at base of post, and supported in a mound of stone to top, for closing cor. of secs. 2 and 3, with brass cap mkd.

T5S
<u>S35</u>
S3   S2
T6S   R9W
C   C
1934

No accessories.

From this cor. the original closing cor. of secs. 2 and 3 of T 6 S., bears S. 35 lks. dist.; a decayed stake in the center of the old mound.

40.10

The standard cor. of secs. 34 and 35, which is decayed stake in center of old stone mound.

At point of the decayed stake.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, and in a mound of stone to top, for standard cor. of secs. 34 and 35, with brass cap mkd.

S C
T5S R9W
<u>S34   S35</u>
S 3
T6S
1934

raise a mound

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

Land, nearly level.

Soil, sand and rock, 4th rate.

Timber, scattering palo verde.

Undergrowth, greasewood, sage and cacti.

N.89°16'W., on true line on the S. bdy. of sec. 34.

Over nearly level land, through scattering timber and undergrowth.

40.16

The standard  $\frac{1}{4}$  sec. cor. of sec. 34, which is the point of a decayed stake in old mound of stone.

At point of decayed stake,

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the



## Resurvey of the 1st. Stan. Par. S., through R. 9 W.

chains

ground to bed rock, and supported in a mound of stone to top, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

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

1934

No accessories.

Thence

N.89°05'W., on true line on S. bdy. of sec. 34.

7.85 Old road, bears NE. and SW.

8.98 Proportional distance.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bed rock, and supported in a mound of stone to top, for closing cor. of secs. 3 and 4, with brass cap mkd.

T5S  
S34  
S4 | S3  
T6S | R9W  
C C  
1934

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

39.90 The standard cor. of secs. 33 and 34, which is the point of a decayed stake in old mound of earth.

At point of the decayed stake,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 33 and 34, with brass cap mkd.

S C  
T5S | R9W  
S33 | S34  
S 4  
T6S  
1934

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

Land, nearly level.

Soil, sand and stone, 3rd rate.

Timber, scattering palo verde.

Undergrowth, greasewood, sage and cacti.

N.89°05'W., on true line on the S. bdy. of sec. 33.

Over nearly level land, through scattering timber and undergrowth.

24.25 Old unused road, bears NW. and SE.

40.14 The standard  $\frac{1}{4}$  sec. cor., which is an old mound of earth.

In center of old mound,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

## Resurvey of the 1st. Stan. Par., through R. 9 W.

chains

$$\begin{array}{r} S C \\ \frac{1}{4} S 33 \\ \hline 1934 \end{array}$$

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

48.62 Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 4 and 5, with brass cap mkd.

$$\begin{array}{r} T5S \\ S33 \\ \hline S 5 | S 4 \\ T6S | R9W \\ C | C \\ \hline 1934 \end{array}$$

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

80.14 The standard cor. of secs. 32 and 33, which is an old mound of earth.

In center of the old mound,

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.

$$\begin{array}{r} S C \\ T5S | R9W \\ S32 | S33 \\ \hline S 5 \\ T6S \\ \hline 1934 \end{array}$$

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

Land, nearly level.  
Soil, sandy loam and gravel, 3rd rate.  
Timber, scattering palo verde.  
Undergrowth, greasewood and sage.

N.  $89^{\circ}05'W.$ , on true line on the S. bdy. of sec. 32.

Over nearly level land, through scattering timber and undergrowth.

40.14 The standard  $\frac{1}{4}$  sec. cor., which is the point of a decayed stake in old mound of earth.

At point of the stake,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\begin{array}{r} S C \\ \frac{1}{4} S 32 \\ \hline 1934 \end{array}$$

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

Resurvey of the 1st. Stan. Par. S., through R. 9 W.

chains

48.22 Proportional distance.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 5 and 6, with brass cap mkd.

T5S  
S32  
-----  
S6 S5  
T6S R9W  
C C  
1934

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

80.14 The standard cor. of secs. 31 and 32, which is an old mound of earth.

In center of the old mound.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap mkd.

S C  
T5S R9W  
S31 S32  
-----  
S6  
T6S  
1934

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

Land, nearly level.  
Soil, sandy loam and stony, 4th rate.  
Timber, scattering palo verde and mesquite.  
Undergrowth, greasewood.

-----  
N.89°05'W., on true line on the S. bdy. of sec. 31

Over nearly level land, through scattering timber and undergrowth.

40.24 The standard ¼ sec. cor., of sec. 31, which is the point of a decayed stake 6 ins. under ground.

At point of the decayed stake.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard ¼ sec. cor., with brass cap mkd.

S C  
¼ S 31  
-----  
1934

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

Thence

N.88°55'W., on true line on S. bdy. of sec. 31.

40.06 The standard cor. of Tps. 5 S., Rs. 9 and 10 W., which is

## Resurvey of the 1st. Stan. Par. S., through R. 9 W.

chains

the point of a decayed stake in old mound of earth.

At point of the decayed stake

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for standard cor. of Tps. 5 S., Rs. 9 and 10 W., with brass cap mkd.

S	C
T5S	
R10W	R9W
S36	S31

S	1
T6S	R10W
1934	

from which

An original bearing tree;

A palo verde, 11 ins. diam., bears N.61°E., 247 lks. dist., original scribe marks discernible.

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

Land, nearly level.

Soil, sandy clay and stone, 4th rate.

Timber, scattering palo verde.

Undergrowth, greasewood, sage and cacti.

## Resurvey of the 1st. Stan. Par. S., through R. 10 W.

The tangent method was employed in making the resurvey of the 1st. standard parallel<sup>5</sup> through range 10 west, the bearing deflected from the meridian at the cor. of Ts. 5 S. Rs. 9 and 10 W., and was carried forward by transit line, taking the mean of direct and reversed sights at each instrument station, and as measurements are completed for each corner point, proper offsets are measured north from the tangent to the parallel, upon which line the random fallings are noted and temporary corners established.

From the standard cor. of Tps. 5 S., Rs. 9 and 10 W.,

S.89°58'W., on a tangent and random line along the S. bdy. of T. 5 S., R. 10 W.

- 39.78 A point 0.89 chs. S. of the standard ¼ sec. cor. of sec. 36
- 79.78 Find no evidence of the standard cor. of secs. 35 and 36, Set temp. cor.
- 119.78 Find no evidence of the standard ¼ sec. cor. of sec. 35 Set temp. cor.
- 160.42 A point 2.64 chs. S. of the standard cor. of secs. 34 and 35.
- 200.42 Find no evidence of the standard ¼ sec. cor. of sec. 34. Set temp. cor.
- 240.42 Find no evidence of the standard cor. of secs. 33 and 34. Set temp. cor.
- 280.27 A point 4.42 chs. S. of the standard ¼ sec. cor., of sec. 33.

## Resurvey of the 1st. Stan. Par. S., through R. 10 W.

chains 320.25	Find no evidence of the standard cor. of secs. 32 and 33. Set temp. cor.														
360.25	Find no evidence of the standard $\frac{1}{4}$ sec. cor. of sec. 35. Set temp. cor.														
398.42	A point 5.08 chs. S. of the standard cor. of secs. 31 and 32.														
438.42	Find no evidence of the standard $\frac{1}{4}$ sec. cor. of sec. 31. Set temp. cor.														
478.42	Find no evidence of the standard cor. of Ts. 5 S., Rs. 10 and 11 W. Set temp. cor.														
	Thence continuind with the random tangent line on the S. bdy. of T. 5 S., R. 11 W., searching for evidence of the original standard corners after making the proper offsets to the true parallel, and setting temp. corners at record intervals, to														
918.31	A point 593 chs. S. of the standard $\frac{1}{4}$ sec. cor. of sec. 31.														
	-----														
	Return to the standard cor. of Tps. 5 S., Rs. 9 and 10 W., Thence														
	N. $88^{\circ}46'W.$ , on true line on the S. bdy. of sec. 36, T. 5 S., R. 10 W.														
	Over nearly level desert land, through scattering timber and undergrowth.														
6.85	Road, bears NW. and SE.														
39.79	The $\frac{1}{4}$ sec. cor. the point of decayed stake in mound of earth. At point of stake.  Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. of sec. 36, with brass cap mkd.														
	<table border="0"> <tr><td>S</td><td>C</td></tr> <tr><td><math>\frac{1}{4}</math> S</td><td>36</td></tr> <tr><td colspan="2">-----</td></tr> <tr><td colspan="2">1934</td></tr> </table>	S	C	$\frac{1}{4}$ S	36	-----		1934							
S	C														
$\frac{1}{4}$ S	36														
-----															
1934															
	of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. raise a mound														
	Thence N. $89^{\circ}11'W.$ , on true line on the S. bdy. of sec. 36.														
40.22	Proportional distance.  Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 35 and 36, with brass cap mkd.														
	<table border="0"> <tr><td>S</td><td>C</td></tr> <tr><td>T5S</td><td>R10W</td></tr> <tr><td>S35</td><td>S36</td></tr> <tr><td colspan="2">-----</td></tr> <tr><td colspan="2">S 2</td></tr> <tr><td colspan="2">T6S</td></tr> <tr><td colspan="2">1934</td></tr> </table>	S	C	T5S	R10W	S35	S36	-----		S 2		T6S		1934	
S	C														
T5S	R10W														
S35	S36														
-----															
S 2															
T6S															
1934															
	of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. raise a mound														

## Resurvey of the 1st. Stan. Par. S., through R. 10 W.

chains	Land, nearly level. Soil, sandy loam and surface rocks, 3rd and 4th rate. Timber, scattering palo verde. Undergrowth, greasewood, sage and cacti.														
40.22	N.89°11'W., on true line on the S. bdy. of sec. 35.  Over nearly level desert land, through scattering timber and undergrowth.  Proportional distance;  Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., with brass cap mkd.  <table style="margin-left: auto; margin-right: auto;"> <tr><td>S</td><td>C</td></tr> <tr><td><math>\frac{1}{4}</math></td><td>S 35</td></tr> <tr><td colspan="2" style="border-top: 1px solid black;"></td></tr> <tr><td colspan="2" style="text-align: center;">1934</td></tr> </table> <div style="text-align: right;">raise a mound</div> of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.	S	C	$\frac{1}{4}$	S 35			1934							
S	C														
$\frac{1}{4}$	S 35														
1934															
64.00	Leave level land, descend rocky W. slope into small canon.														
67.80	Dry wash, drains NW.														
70.50	Thence along S. face of rocky slope.														
80.44	The standard cor. of secs. 34 and 35, which is a weather worn stake in mound of stone.  In place of the stake, with same reset alongside.  Set an iron post, 3 ft. long, 2 ins. diam., over X on ledge 12 ins. in the ground, and supported in a mound of stone to top for stan. cor. of secs. 34 and 35 with brass cap mkd.  <table style="margin-left: auto; margin-right: auto;"> <tr><td>S</td><td>C</td></tr> <tr><td>T5S</td><td>R10W</td></tr> <tr><td>S34</td><td>S35</td></tr> <tr><td colspan="2" style="border-top: 1px solid black;"></td></tr> <tr><td colspan="2" style="text-align: center;">S3</td></tr> <tr><td colspan="2" style="text-align: center;">T6S</td></tr> <tr><td colspan="2" style="text-align: center;">1934</td></tr> </table> <div style="text-align: right;">from which</div> An original bearing tree:  A palo verde, 8 ins. diam., bears N.44 $\frac{3}{4}$ °E., 204 lks. dist.  Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.	S	C	T5S	R10W	S34	S35			S3		T6S		1934	
S	C														
T5S	R10W														
S34	S35														
S3															
T6S															
1934															
2.40	Land, level and hilly. Soil, sandy loam and stony, 4th rate. Timber, scattering palo verde. Undergrowth, greasewood, sage and cacti.														
8.00	N.89°12'W., on true line on the S. bdy. of sec. 34.  Over rocky S. slope, through scattering timber and undergrowth.														
39.95	Top of rocky spur, bears NW. and SE.  Foot of hill, bears NW. and SE., thence over rolling valley.  Proportional distance.														

## Resurvey of the 1st. Stan. Par. S.; through R. 10 W.

chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S C

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

1934

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

79.90 Proportional distance.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 33 and 34, with brass cap mkd.

S C

T5S | R10W  
S33 | S34

S 4

T6S

1934

Dig pits,

18x18x12 ins., E., N. and W., of post; 3 ft. dist.

Land, rolling.

Soil, on hillside-stony; on valley very sandy, 4th rate.

Timber, scattering palo verde and mesquite.

Undergrowth, greasewood, sage and cacti.

N.89°12'W., on true line on the S. bdy. of sec. 33.

Overrolling valley land, through scattering timber and undergrowth.

15.20 Sentinel wash, dry, 6 ft. deep, 60 lks. wide, course SW.

20.50 Same wash, course NW.

36.80 Telephone line, bears N.55 $\frac{1}{2}$ °W., and S.55 $\frac{1}{2}$ °E.39.95 The standard  $\frac{1}{4}$  sec. cor., which is a point of an old stake in mound of earth.

At point of the old stake,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S C

 $\frac{1}{4}$  S 33

1934

from which

The original bearing trees:

A palo verde, 10 ins. diam., bears S.38 $\frac{1}{2}$ °W., 225 lks. dist., mkd.  $\frac{1}{4}$  S.

A palo verde, 10 ins. diam., bears S.65°W., 161 lks. dist., marks not opened.

And new bearing trees:

Resurvey of the 1st. Stan. Par. S., through R. 10 W.

13

4078

chains	<p>A palo verde, 10 ins. diam., bears N.37°15'W., 320 lks. dist., mkd. <math>\frac{1}{2}</math> S 33 S C B T</p> <p>A palo verde, 4 ins. diam., bears N.63<math>\frac{1}{2}</math>°E., 43 lks. dist., mkd. B T.</p>
	<p>Thence N.89°43'W., on true line on the S. bdy. of sec. 33.</p>
38.75	Graded road, bears N. and S.
39.39	<p>Proportional distance, 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.</p>
	$\begin{array}{r} \text{S C} \\ \text{T5 S R10 W} \\ \hline \text{S32 S33} \\ \text{S 5} \\ \text{T63} \\ \text{1934} \end{array}$
	from which
	<p>A mesquite, 8 ins. diam., bears N.27°W., 18 lks. dist., mkd. T 5 S R 10 W S 32 S C B T.</p>
	No other accessory.
	<p>Land, rolling valley land. Soil, sandy, 3rd rate. Timber, scattering palo verde and mesquite. Undergrowth, greasewood, sage, cacti and catsclaw.</p>
	N.89°43'W., on true line on the S. bdy. of sec. 32.
	Over nearly level valley land, through scattering timber and dense undergrowth.
16.50	Road, bears NE. and SW.
17.10	Irrigation ditch, dry, bears N.35°E., and S. 35° W.
20.00	Enter alkali flat covered with mesquite and sage.
39.39	<p>Proportional distance; Set an iron post, 3 ft. long, 1 in. diam., over deposit of small glass bottle, 27 ins. in the ground, for standard <math>\frac{1}{4}</math> sec. cor., with brass cap mkd.</p>
	$\begin{array}{r} \text{S C} \\ \hline \frac{1}{4} \text{ S 32} \\ \text{1934} \end{array}$
	from which
	<p>A mesquite, 8 ins. diam., bears N.25<math>\frac{1}{2}</math>°E., 40 lks. dist., mkd. <math>\frac{1}{4}</math> S 32 B T.</p>
	<p>A mesquite, 8 ins. diam., bears N.55<math>\frac{3}{4}</math>°W., 95 lks. dist., mkd. <math>\frac{1}{4}</math> S 32 B T.</p>
52:00	Leave alkali flat, enter dense mesquite, bears N. and S.



## Resurvey of the 1st. Stan. Par. S., through R. 10 W.

chains

73.25

Old road, bears N. and S.

78.78

The standard cor. of secs. 31 and 32, which is a stake 4 ins. sq., 24 ins. above ground, marks indistinct.

In place of the stake, which is reset alongside,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap mkd.

S	C
T5S	R10W
S31	S32

S 6

T6S

1934

from which

The original trees;

A mesquite, 14 ins. diam., bears S.56°W., 17 lks. dist. mkd. distinctly T V S R X W XXXL

The root of a mesquite tree, bears N.13½°W., 14 lks. dist.,

The root of another mesquite bears S.79°W., 16 lks. dist.,

New bearing trees:

A mesquite, 6 ins. diam., bears N.51¼°W., 352 lks. dist. mkd. T 5 S R 10 W S 32 S C B T.

A mesquite, 8 ins. diam., bears N.38°E., 129 lks. dist. mkd. T 5 S R 10 W S 31 S C B T.

Land, level river bottom.

Soil, sandy loam and alkali, 3rd and 4th rate.

Timber, mesquite and palo verde.

Undergrowth, tumbleweed, sage and arrowweed.

N.89°54'W., on true line on the S. bdy. of sec. 31.

Over level bottom land, through heavy timber and dense undergrowth.

6.15

Desert road, bears NE. and SW.

39.99

Proportional distance.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, beside a pickle bottle deposit, for standard ¼ sec. cor., with brass cap mkd.

S	C
¼ S	31

1934

from which

A cottonwood, 20 ins. diam., bears N.15°E., 242 lks. dist., mkd. ¼ S 31 B T.

Dig pits, 18x18x12 ins. E., N., and W. of post, 3 ft. dist.

## Resurvey of the 1st. Stan. Par. S., through R. 11 W.

chains	N.89°54'W., on true line on the S. bdy. of sec. 34. Over level bottom land, through scattering timber and dense undergrowth.
39.99	Proportional distance. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with pint whiskey bottle deposited alongside, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.  <div style="text-align: center;">           S C  <u><math>\frac{1}{4}</math> S 34</u>            1934         </div>
	No trees or rock available and pits impracticable. Enter land, along river subject to overflow at extreme flood periods, bears NE. and SW.
44.45	Dry bed of the Gila River, 2 chs. wide, course S.15°W.
72.50	Leave land subject to overflow, continue over bottom land.
79.98	Proportional distance: Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 33 and 34, with brass cap mkd.  <div style="text-align: center;">           S C            T5S   R11W  <u>S33   S34</u>            S14            T6S            1934         </div>
	from which  A cottonwood, 7 ins. diam., bears N.54°W., 21 lks. dist., mkd. T 5 S R 11 W S C S 33 B T.
	No other tree available, no stone available for mound and pits impracticable. Land, level. Soil, heavy sand, 2nd and 3rd rate. Timber, scattering cottonwood, mesquite and willow. Undergrowth, arrowweed.
39.99	N.89°54'W., on true line on the S. bdy. of sec. 33. Over level land, through scattering timber and dense undergrowth. Proportional distance. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., with deposit of broken glass alongside, and with brass cap mkd.  <div style="text-align: center;">           S C  <u><math>\frac{1}{4}</math> S 33</u>            1934         </div>
	from which  a willow, 9 ins. diam., bears N.12 $\frac{1}{2}$ °E., 227 lks. dist.,

## Resurvey of the 1st. Stan. Par. S., through R. 11 W.

chains	<p>mkd. <math>\frac{1}{2}</math> S 33 S C B T.</p> <p>A cottonwood, 11 ins. diam., bears N. <math>37\frac{1}{2}^{\circ}</math> W., 264 lks. dist., mkd. <math>\frac{1}{2}</math> S 33 S C B T.</p>
64.50	Wire fence, bears NW. and SE.
77.51	Fence, bears S. and N. 5.12 chs. to cor. of fences bearing W. and S.
79.98	Proportional distance;
	<p>Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with deposit of glass alongside, for the standard cor. of secs. 32 and 33, with brass cap mkd.</p> <div style="text-align: center;"> <p>S C T5 S R 11 W S 32 S 33 ----- S 5 T 6 S 1934</p> </div> <p style="text-align: right;">from which</p> <p>A mesquite, 8 ins. diam., bears N. <math>78^{\circ}</math> E., 319 lks. dist. mkd. T 5 S R 11 W S 33 S C B T.</p> <p>A mesquite, 11 ins. diam., bears N. <math>22^{\circ}</math> W., 257 lks. dist., mkd. T 5 S R 11 W S 32 S C B T.</p> <p>Land, level. Soil, sandy, 2nd and 3rd rate. Timber, mesquite, cottonwood and willow. Undergrowth, same and arrowweed.</p>
	<p>N. <math>89^{\circ}54'</math> W., on true line on the S. bdy. of sec. 32.</p> <p>Over level land, through scattering timber and dense undergrowth.</p>
7.38	Wire fence, bears N. and S.
10.00	Leave river bottom and enter rolling sand hills.
14.60	A point approximately 3 chs. N. of a 2 room lumber cabin, with windmill and well about 25 ft. deep, water alkaline.
14.70	Road, bears N. and S.
21.70	Dry wash, 4 lks. wide, 9 ft. deep, course S.
39.99	Proportional distance:
	<p>Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard <math>\frac{1}{4}</math> sec. cor., with brass cap mkd.</p> <div style="text-align: center;"> <p>S C <math>\frac{1}{4}</math> S 32 ----- 1934</p> </div> <p style="text-align: right;">from which</p> <p>A mesquite, 6 ins. diam., bears N. <math>46\frac{1}{2}^{\circ}</math> E., 85 lks. dist. mkd. <math>\frac{1}{4}</math> S 32 S C B T.</p> <p>A mesquite, 5 ins. diam., bears N. <math>89\frac{1}{2}^{\circ}</math> E., 77 lks. dist. mkd B T.</p>
48.80	Dry wash, 16 lks. wide, 10 ft. deep, course S.

43  
ECC 15

Resurvey of the 1st. Stan. Par. S., through R. 10 W.

chains  
57.00 A point 6 lks. N. of cor. of fences bearing S. and E.  
79.98 Proportional distance;  
Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for standard cor. of Tps. 5 S., Rs. 10 and 11 W., with brass cap mkd.

S C  
T5S  
R11W R10W  
S36 S31  
S1  
T6S R11W  
1934

from which

A mesquite, 12 ins. diam., bears N.17 $\frac{1}{2}$ °E., 376 lks. dist., mkd. T 5 S R 10 W S 31 S C B T.

A mesquite, 8 ins. diam., bears N.8°W., 140 lks. dist., mkd. T 5 S R 11 W S 36 S C B T.

Land, level.  
Soil, sand, 3rd rate.  
Timber, mesquite, cottonwood and willow.  
Undergrowth, arrow wood and tumble weed.

Dependent Resurvey of the 1st. Stan. Par. S., through R. 11 W.

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From the standard cor. of Tps. 5 S., Rs. 10 and 11 W., N.89°54'W., on true line on the S. bdy. of sec. 36, T. 5 S., R. 11 W.

Over level valley land, through heavy timber and dense undergrowth.

16.55 Old fence line bears N. and S.  
39.99 Proportional distance;  
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with deposit of glass alongside, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S C  
 $\frac{1}{4}$  S 36  
1934

from which

A cottonwood, 12 ins. diam., bears N.9°E., 226 lks. dist., mkd. S C  $\frac{1}{4}$  S 36 B T.

A cottonwood, 14 ins. diam., bears N.16°W., 270 lks. dist., mkd. S C  $\frac{1}{4}$  S 36 B T.

79.99 Proportional distance;  
Set an iron post, 3 ft. long, <sup>1 in. diam.</sup> 27 ins. in the ground, for standard cor. of secs. 35 and 36, with brass cap mkd.

Resurvey of the 1st. Stan. Par. S., through R. 11 W.

chains

S C  
T5S | R11W  
S35 | S36

S 2  
T6S  
1934

No trees of sufficient size available within a reasonable distance of the cor., no stone available and pits impracticable.

At a point N.35°E., 20 lks. dist., deposit a  $\frac{1}{2}$  pt. glass flask, 14 ins. under ground.

Land, level.

Soil, sandy, 3rd rate.

Timber, thick mesquite and scattering cottonwood and palo verde; undergrowth, arrowweed and tumbleweed.

N89°54'W., on true line on the S. bdy. of sec. 35.

Over level valley land, through dense undergrowth and scattering timber.

2.35 A dry canal, 28 ins. wide, 6 ft. deep, course SW.

39.99 Proportional distance;

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S C  
 $\frac{1}{4}$  S 35  
1934

from which

A cottonwood, 8 ins. diam., bears N.55°W., 127 lks. dist., mkd. S C  $\frac{1}{4}$  S 35 B T.

A mesquite, 6 ins. diam., bears N.62°W., 116 lks. dist., mkd. S C  $\frac{1}{4}$  S 35 B T.

79.98 Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., with beer bottle deposited alongside, 27 ins. in the ground, for standard cor. of secs. 34 and 35, with brass cap mkd.

S C  
T5S | R11W  
S34 | S35

S 3  
T6S  
1934

from which

A mesquite, 9 ins. diam., bears N.4°E., 34 lks. dist., mkd. T 5 S R 11 W S 35 S C B T.

No other tree of sufficient size available within a reasonable distance.

Land, level.

Soil, sandy, 3rd rate.

Timber, cottonwood and mesquite.

Undergrowth, arrowweed.

## Resurvey of the 1st. Stan. Par. S., through R. 11 W.

1934

chains

53.40

Dry wash, 90 lks. wide, 16 ft. deep, course SE.

58.00

Dry wash, 2 chs. wide, 9 ft. deep, course SE.

79.98

Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with milk bottle deposited alongside, for standard cor. of secs. 31 and 32, with brass cap mkd.

S C  
T53 | R11W  
S31 | S32

S 6  
T6S  
1934

No bearing trees or stone for mound within a reasonable distance of the cor. and pits impracticable.

Land, level, and rolling.  
Soil, sandy, 3rd and 4th rate.  
Timber, scattering mesquite.  
Undergrowth, sage and mesquite.

N.89°54'W., on true line on the S. bdy. of sec. 31.

Over rolling land, through scattering timber and dense undergrowth.

14.10

Old road, bears N. and S.

39.99

The standard  $\frac{1}{4}$  sec. cor., which is the point of a decayed stake in old mound of earth.

At point of the stake,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

S C  
 $\frac{1}{4}$  S 31  
1934

Dig pits,

18x18x12 ins., E., N. and W. of the post, 3 ft. dist.

Thence

West, on random line along the S. bdy. of sec. 31.

30.20

A point 50 lks. S. of the standard cor. of Tps. 5 S., Rs. 11 and 12 W.

Return to the standard  $\frac{1}{4}$  sec. cor. on S. bdy. of sec. 31.

Thence

N.89°03'W., on true line on the S. bdy. of sec. 31.

30.20

The standard cor. of Tps. 5 S., Rs. 11 and 12 W., which is a post, 4 ins. sq., 2 ft. above ground, unmarked, in center of old mound of earth.

In place of the post, which is reset alongside;

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the

## Resurvey of the 1st. Stan. Par. S., through R. 11 W.

chains

the ground, for standard cor. of Tps. 5 S., Rs. 11 and 12 W., with brass cap mkd.

S C
T5S
R12W   R11W
S36   S31

S 1  
T6S R12W  
1934

from which

A catclaw, 8 ins. diam., bears N.68 $\frac{3}{4}$ °W., 159 lks. dist. mkd. T 5 S R 12 W S 36 S C B T.

A catclaw, 4 ins. diam., bears N.30°W., 100 lks. dist., not mkd.

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

Land, rolling.

Soil, sandy, 3rd rate.

Timber, scattering mesquite and catclaw.

Undergrowth, sage and mesquite.

Resurvey of the 1st. Stan. Par.  
S., through R.12 W.

West, on a tangent and random line along the S. bdy. of T.5 S., R.12 W., searching for evidence of the original corners and offsetting to same where found, setting temp. corners at record distances where not found at true point on offset from the tangent to the parallel.

- 40.14 A point 4 lks. N. of the standard  $\frac{1}{4}$  sec. cor. of sec. 36.  
Thence from cor.
- 40.09 A point 4 lks. S. of the standard cor. of secs. 35 and 36.  
Thence from cor.
- 40.08 A point 4 lks. N. of the standard  $\frac{1}{4}$  sec. cor. of sec. 35.  
Thence from cor.
- 40.00 Find no evidence of the standard cor. of secs. 34 and 35.  
Set temp. cor.
- 80.00 Find no evidence of the standard  $\frac{1}{4}$  sec. cor., of sec. 34.  
Set temp. cor.
- 120.00 A point 87 lks. N. of the standard cor. of secs. 34 and 33.  
Thence from cor.
- 40.24 A point 54 lks. S. of the standard  $\frac{1}{4}$  sec. cor., of sec. 33.  
Thence from cor.
- 40.01 A point 4 lks. S. of the standard cor., of secs. 32 and 33.  
Thence from cor.
- 40.09 The standard  $\frac{1}{4}$  sec. cor., of sec. 32.

Resurvey of the 1st. Stan. Par. S., through R. 12 W.

chains	Thence from cor.						
40.07	A point 6 lks. S. of the standard cor. of secs. 31 and 32. Thence from cor.						
39.92	A point 6 lks. S. of the standard $\frac{1}{2}$ sec. cor. of sec. 31 Thence from cor.						
40.08	A point 7 lks. W. of the standard cor. of Tps. 5 S., Rs. 12 and 13 W.						
-----							
	Return to the standard cor. of Tsp. 5 S., Rs. 11 and 12 W. Thence						
1.10	S. $89^{\circ}57'W.$ , on true line on the S. bdy. of sec. 36. Over rolling sand hills, through scattering timber and undergrowth. A dry wash, 160 lks. wide, 7 ft. deep, course S.						
40.14	Point for the standard $\frac{1}{2}$ sec. cor., determined by the position of an original bearing tree.  Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{2}$ sec. cor., with brass cap mkd.						
	<table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">S C</td></tr> <tr><td style="text-align: center;"><u><math>\frac{1}{2}</math> S 36</u></td></tr> <tr><td style="text-align: center;">1934</td></tr> </table>	S C	<u><math>\frac{1}{2}</math> S 36</u>	1934			
S C							
<u><math>\frac{1}{2}</math> S 36</u>							
1934							
	from which						
	An original bearing tree,  A mesquite, 10 ins. diam., bears S. $41\frac{1}{2}^{\circ}W.$ , 216 lks. dist., mkd. $\frac{1}{2}$ S.  Dig pits, E., N, and W., 18x18x12 ins. 3 ft. dist.						
	Thence						
21.80	N. $89^{\circ}57'W.$ , on true line on the S. bdy. of sec. 36. A dry wash, 40 lks. wide, 9 ft. deep, course SE.						
40.09	The standard cor. of secs. 35 and 36, which is a weather worn stake in old mound of earth; bet, outline of pits.  In place of the old stake, with same reset alongside,  Set an iron post; 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 35 and 36, with brass cap mkd.						
	<table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">S C</td></tr> <tr><td style="text-align: center;">T5S   R12W</td></tr> <tr><td style="text-align: center;"><u>S35   S36</u></td></tr> <tr><td style="text-align: center;">S2</td></tr> <tr><td style="text-align: center;">T6S</td></tr> <tr><td style="text-align: center;">1934</td></tr> </table>	S C	T5S   R12W	<u>S35   S36</u>	S2	T6S	1934
S C							
T5S   R12W							
<u>S35   S36</u>							
S2							
T6S							
1934							
	Renew the pits,						
	E. and W., and dig an additional pit, 18x18x12 ins. 3 ft. N. of post.						



## Resurvey of the 1st. Stan. Par. S., through R. 12 W.

chains	Land, rolling. Soil, sandy, 2nd and 3rd rate. Timber, scattering palo verde and mesquite. Undergrowth, greasewood, sage cacti and tumbleweed.
	-----
	S.89°57'W., on true line on the S. bdy. of sec. 35. Over nearly level land, through scattering timber and undergrowth.
32.60	A dry wash, 2 chs. wide, 8 ft. deep, course S.
40.08	The standard $\frac{1}{4}$ sec. cor., which is a weather worn stake in center of old mound of earth.  In place of the stake, with same reset alongside,  Set an iron post, 3 ft. long, 1 in, diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., with brass cap mkd.  <div style="text-align: center;">           S C  <u><math>\frac{1}{4}</math> S 35</u>            1934         </div> Dig pits, 18x18x12 ins. E., N, and W. of the post, 3 ft. dist. Thence S.89°35'W., on true line on the S. bdy. of sec. 35.
40.00	Proportional and record distance,  Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground with deposit of a bottle alongside, for the stan. cor. of secs. 34 and 35, with brass cap mkd.  <div style="text-align: center;">           S C            T5S   R12W  <u>S34   S35</u>            S3            T6S            1934         </div> Dig pits, 18x18x12 ins., E., N. and W. of the post, 3 ft. dist.  Land, nearly level. Soil, sandy loam, 2nd rate. Timber, scattering palo verde. Undergrowth, greasewood, cacti and sage.
	-----
	S.89°35'W., on true line on the S. bdy. of sec. 34. Over nearly level land, through scattering timber and undergrowth.
10.25	Old road, bears N. and S.
39.05	Graded road, bears N. to the main highway and railroad, and S. to Palomas and Aztec.
40.00	Proportional and record distance.  Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with deposit of brown glass alongside, for the

## Resurvey of the 1st. Stan. Par. S., through R. 12 W.

chains	Standard $\frac{1}{4}$ sec. cor., with brass cap mkd.
80.00	<p style="text-align: center;">           S C  <u><math>\frac{1}{4}</math> S 34</u>            1934         </p> <p style="text-align: right;">Dig pits,</p> <p>18x18x12 ins., E., N. and W. of the post, 3 ft. dist.</p> <p>The standard cor. of secs. 33 and 34, which is the point of a decayed stake, 6 ins. under ground in an old mound of earth.</p> <p>At point of the old stake,</p> <p>Set an iron post, 2 ft. long, 2 ins. diam., 27 ins. in the ground, with deposit of glass alongside, for the standard cor. of secs. 33 and 34, with brass cap mkd.</p>
	<p style="text-align: center;">           S C            T5S   R12W  <u>S33   S34</u>            S4            T6S            1934         </p> <p style="text-align: right;">Dig pits,</p> <p>18x18x12 ins. E., N. and W. of the post, 3 ft. dist.</p> <p>Land, nearly level.          Soil, sandy loam, 2nd rate.          Timber, scattering palo verde.          Undergrowth, greasewood and sage.</p>
13.00	N.89°14'W., on true line on the S. bdy. of sec. 33.
37.50	Over nearly level land, through scattering undergrowth.
40.24	Old road, bears N. and S.
	A dry wash, 2 chs. wide, shallow, course S.
	The standard $\frac{1}{4}$ sec. cor., which is the point of a decayed stake, in old mound of earth.
	At the point of the stake,
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<p style="text-align: center;">           S C  <u><math>\frac{1}{4}</math> S 33</u>            1934         </p> <p style="text-align: right;">from which</p>
	An original bearing tree,
	A palo verde stump, bears N.81 $\frac{1}{2}$ °E., 189 lks. dist.
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Thence
	N.89°57'W., on true line on the S. bdy. of sec. 33.

## Resurvey of the 1st. Stan. Par. S., through R. 12 W.

chains

35.50

Graded highway, Yuma to Phoenix, bears N.62 $\frac{1}{2}$ °E., and S.62 $\frac{1}{2}$ °W.

36.44

Guard fence bet. highway and railroad, parallels highway.

40.01

The standard cor. of secs. 32 and 33, which is the point of a decomposed stake in center of old mound of earth.

At point of the old stake,

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.

S	C
T5S	R12W
S32	S33

S5  
T6S  
1934

Raise a mound

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

Land, level.

Soil, sandy loam, 2nd rate.

Timber, scattering palo verde.

Undergrowth, greasewood and sage.

-----  
West, on true line on the S. bdy. of sec. 32.

Over level land, through scattering undergrowth.

.04 Telephone line, bears N.62 $\frac{1}{2}$ °E., and S.62 $\frac{1}{2}$ °W.

1.28 Southern Pacific R.R. same bearing.

1.58 Fence, bears N. and S.

2.00 Wagon road, bears N. and S.

2.60 Fence, bears N. and S.

3.70 Telegraph line, parallels R.R.

4.54 R.R. right of way fence, parallels R.R.

40.09 The standard  $\frac{1}{4}$  sec. cor., which is a stake, 4 ins. in diam., 40 ins. above ground, in old mound of earth.

In place of the stake, which is reset alongside,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., with brass cap mkd.

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

1934

Dig pits,  
18x18x12 ins. E., N. and W. of the post, 3 ft. dist.

Thence

N.89°55'W., on true line on the S. bdy. of sec. 32.

14.00 An old road, bears N. and S.

30.30 A dry wash, 60 lks. wide, 6 ft. deep, course S.

Resurvey of the 1st. Stan. Par. S. through R. 12 W.

BOOK 4078

chains  
40.07

The standard cor. of secs. 31 and 32, which is the point of a decayed stake in old mound of earth.

At point of the old stake,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap mkd.

S	C
T5S	R12W
S31	S32
S6	
T6S	
1934	

from which

An original bearing tree:

An iron wood, 12 ins. diam., bears N.74½°W., 420 lks. dist., shows the original scribe marks. (record-N.74½° W., 42 lks.)

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

Land, level.  
Soil, sandy loam, 2nd rate.  
Timber, scattering palo verde and ironwood.  
Undergrowth, greasewood, cacti and sage.

N.89°55'W., on true line on the S. bdy. of sec. 31.

Over nearly level land, through scattering timber and undergrowth,

13.50 Dry wash, 90 lks. wide, 9 ft. deep, course SW.

18.40 Dry wash, 120 lks. wide, 7 ft. deep, course S.

39.92 The standard ¼ sec. cor., which is the point of a decayed stake, in old mound of earth.

At point of the stake,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard ¼ sec. cor., with brass cap mkd.

S	C
¼ S	31
1934	

Dig pits,

18x18x12 ins., E., N. and S. of the post, 3 ft. dist.

Thence

S.89°54'W., on true line on the S. bdy. of sec. 31.

39.66 A point 40 lks. S. of U.S. Geological Survey bench mark, elevation unknown,; a brass tablet seated in a concrete block 6 ins. sq., 10 ins. above ground, mkd.

U.S. GEO.SUR.  
42 M 1925  
Ele.Abv. sea  
Feet

## Resurvey of the 1st. Stan. Par. S., through R. 12 W.

chains

40.08

The standard cor. of Tps. 5 S., Rs. 12 and 13 W., which is an iron post, 3 ins. diam., 10 ins. above ground, with brass cap mkd. and witnessed as described in the official record.

Land, level.

Soil, sandy loam, 2nd rate.

Timber, scattering palo verde and ironwood.

Undergrowth, greasewood and sage.

57  
27

BOOK 4078

4-680  
(August, 1926)

**FIELD ASSISTANTS.**

NAMES.	CAPACITY.
J.M. Champie	First Chainman
A.R. Zent	Second Chainman
Paul Wolf	Field Assistant
Murray Sloan	" "
I.B. Williams	" "
C.V. Carlock	" "
Frank Burt	Flagman
Jake Spillman	Truck Driver

CERTIFICATE OF UNITED STATES SURVEYOR

I, Anthony C. Kimmell, 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 15th day of February, 1934, 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 the First Standard Parallel South, through Ranges 9, 10, 11 and 12 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 survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Arizona

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

Sentinel, Arizona

Anthony C. Kimmell, U. S. Surveyor.

March 28, 1934

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, June 11, 1935.

The foregoing field notes of the resurvey of the First Standard Parallel South through Ranges 9, 10, 11 and 12 west, of the Gila and Salt River Meridian, in the state of Arizona.

executed by Anthony C. Kimmell, U.S. Surveyor

under his special instructions dated February 15, 1934, 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.