

4-878
(April 1933)

BOOK 4095

Book D.

FIELD NOTES

RE
OF THE SURVEY OF THE

Third Standard Parallel North,

along the South boundary of Township 13 North,

through a portion of Range 12 East,

4095

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Albinus N. Kimmell, U.S. Cadastral Engineer, and

Charles E. Hunter, U.S. Transitman,

4095

Under special instructions dated March 20, 1934, which provided for the surveys included under Group No. 189, bearing the approval of the Commissioner of the General Land Office under date of April 6, 1934 and assignment instructions dated June 29, 1935.

Survey commenced August 29, 1935.

Survey completed September 16, 1935.

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1A

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INDEX DIAGRAM.

Township 13 North, Range 12 East

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5

4

3

2

1

T. 12 N., R. 12 E.

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

Chains

The resurveys described in the following field notes were executed with a Buff solar transit No. 18002, and a Gurley solar transit No. 20120, property of the General Land office. The horizontal circle of the Buff instrument, has a diameter of $4\frac{1}{2}$ ins., with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes. The telescope has fixed stadia wires ratio 1:132, with a focal constant of 1.2 lks. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc $2\frac{1}{2}$ ins., and of declination arc $3\frac{1}{2}$ ins., each with verniers reading to single minutes. The horizontal circle of the Gurley instrument, has a diameter of $5\frac{1}{2}$ ins., with two double opposite verniers reading to 30 seconds of arc; the vertical circle has a diameter of $4\frac{1}{2}$ ins., with one double vernier reading to single minutes. The telescope has fixed stadia wires, ratio 1:132, with a focal constant of 1.2 lks. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc $2\frac{1}{2}$ ins., and declination arc 3.1 ins., each with verniers reading to single minutes.

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 June 29, 1935.

All of the instrumental adjustments are examined before making the field tests hereinafter recorded. The direction of all lines were determined by 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 steel tape, and found correct. The measurements were made on the slope; the vertical angle of each interval ascertained by a clinometer in good adjustment, and the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position of the SE. corner of T. 11 N., R. 13 E. as follows: latitude $34^{\circ} 17' 01''$ N.; longitude $110^{\circ} 55' 39''$ W.

August 10, 1935: At station near the center of sec. 12, T. 12 N., R. 11 E., at 6h 12m p.m., by my watch which reads correct 105th meridian time, having been recently compared with a Western Union clock, I make an hour angle observation on Polaris, east of the meridian, for azimuth and latitude, making two sights each with the telescope in the direct and reverse positions, and place a tack at the mean point on a peg driven firmly in the ground, 8 chs. N.

Mean watch time of observation	6h 12m 00s
Watch fast of l.m. t.	24m 34s ✓
Azimuth of Polaris	$0^{\circ} 26' 00''$ ✓
Mean vertical angle to Polaris	$33^{\circ} 28' 17''$ ✓
Reduced latitude	$34^{\circ} 27' 12''$ ✓

August 11: I lay off the azimuth of Polaris $0^{\circ} 26' 00''$ and make a meridian mark on a second peg 6.14 lks. to the west of the mean point in the line determined by the observation. I verify the angle by a vernier reading of the instrument.

At 9h 00m a.m., app.t., with $34^{\circ} 27' N.$, set off on the latitude arcs; $15^{\circ} 27' N.$, set off on the declination arcs; the instruments are oriented by means of their solar attachments. The solar meridian as determined by each instrument, varies less than $1\frac{1}{2}'$ from the true meridian, determined by observation on Polaris.

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

Chains	<p>At apparent noon, with the latitude arc unchanged, the sun is observed on the meridian; the resulting reading of the declination arc of each instrument is $15^{\circ} 24\frac{1}{2}'$ N., which agrees with the computed declination of the sun.</p> <p>At 3h 00m p.m., app.t., with the latitude arcs unchanged and $15^{\circ} 22\frac{1}{2}'$ N., set off on the declination arcs, the instruments are oriented by means of their solar attachments. The solar meridian as determined by each instrument again varies less than $1\frac{1}{2}'$ from the true meridian determined by observation on Polaris.</p> <p>As all of the solar observations made during the usual hours of solar work, vary less than $1\frac{1}{2}'$ from the true meridian, it is concluded that the instruments are in satisfactory adjustment.</p>									
	<p>The third standard parallel north, through range 12 east, was resurveyed by D. Drummond, U. S. D. S., in 1893.</p> <p>From the standard cor. of T. 13 N., Rs. 11 and 12 E.</p> <p>N. $89^{\circ} 39'$ E., on a random line, on the south bdy. of sec. 31.</p>									
42.28	<p>A point 17 lks. N. of the standard $\frac{1}{2}$ sec. cor. of sec. 31.</p> <p>Thence from cor.</p> <p>N. $89^{\circ} 39'$ E., on a random line, on the south bdy. of sec. 31.</p>									
40.52	<p>A point 7 lks. N. of the standard cor. of secs. 31 and 32, which is a sandstone, 14 x 5 x 6 ins. above ground, mkd. SC on N.; with 5 grooves on E., and 1 groove on W. edge.</p> <p>In place of and with stone along side;</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for standard cor. of secs. 31 and 32, with brass cap mkd.</p>									
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>S</td> <td>C</td> </tr> <tr> <td>T 13 N</td> <td>R 12 E</td> <td></td> </tr> <tr> <td>S 31</td> <td>S 32</td> <td></td> </tr> </table> <p style="text-align: center;">1935</p> <p style="text-align: right;">from which</p>		S	C	T 13 N	R 12 E		S 31	S 32	
	S	C								
T 13 N	R 12 E									
S 31	S 32									
	<p>A pine, 12 ins. diam., bears N. $42^{\circ} 00'$ E., 73 lks. dist., The old blaze on tree being grown over, I remark, T 13 N R 12 E S 32 S C B T.</p> <p>A pine, 18 ins. diam., bears N. $18^{\circ} 00'$ W., 93 lks. dist. The old blaze on tree being grown over, I remark, T 13 N R 12 E S 31 S C B T.</p>									
	<p>Thence</p> <p>S. $89^{\circ} 45'$ W., on a true line on the south bdy. of sec. 31.</p> <p>Over rocky W. slope, desc. 15 ft.</p>									
.60	<p>Rocky ravine, course N. 10° W.; asc. slightly through heavy timber and scattering undergrowth.</p>									
3.60	<p>Toe of spur, slopes N.</p>									
4.10	<p>Ravine, course N.; thence over nearly level land.</p>									

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

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Chains 18.00 26.00 29.50 31.40 39.15 40.52	<p>Ascend 35 ft. over gradual NE. slope.</p> <p>Top of spur, slopes N.; desc. 82 ft. over W. slope.</p> <p>Creek, 8 lks. of water, course N. 10° E.; asc. 32 ft. over E. slope.</p> <p>Top of ascent; thence over NW. slope, desc. 15 ft.</p> <p>Spring branch, 1 lk. of water, course NE.; asc. 13 ft.</p> <p>The standard $\frac{1}{4}$ sec. cor. of sec. 31, which is a sandstone, 8 x 6 x 10 ins. above ground, mkd. $\frac{1}{4}$ on N. face.</p> <p>In place of and with stone along side;</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor. of sec. 31, with brass cap mkd.</p> <p style="text-align: center;">S C</p> <p style="text-align: center;"><u>$\frac{1}{4}$ S 31</u></p> <p style="text-align: center;">1935</p> <p style="text-align: right;">from which</p> <p>Old bearing trees</p> <p>A pine, 7 ins. diam., bears S. 40° 00' W., 58 lks. dist., with old blaze facing cor., but without discernible markings.</p> <p>A pine, 14 ins. diam., bears N. 9° 45' E., 40 lks. dist., with old blaze facing cor., but without discernible markings. I reblaze and mark this tree $\frac{1}{4}$ S 31 SC B T.</p> <p>New bearing tree.</p> <p>A pine, 20 ins. diam., bears N. 69° 15' W., 147 lks. dist., mkd. $\frac{1}{4}$ S 31 B T.</p> <p>Thence</p> <p>S. 89° 53' W., on a true line, along the south bdy. of sec. 31.</p> <p>Ascend 94 ft. over SE. slope.</p> <p>8.80 Old truck trail, bears NE. and SW.</p> <p>21.10 Draw, course SE.; thence over NE. slope, asc. 40 ft.</p> <p>31.80 Head of same draw previously referred to, bears N. 1 ch. dist.; asc. 66 ft. over E. slope.</p> <p>42.28 The standard cor. of T. 13 N., Rs. 11 and 12 E., which is an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.</p> <p>Land, rolling. Soil, silty loam with rock and gravel. Timber, pine, oak and fir; undergrowth, second growth pine and grass.</p> <hr/> <p>From the standard cor. of secs. 31 and 32.</p> <p>N. 89° 39' E., on a random line, on the south bdy. of sec. 32.</p>
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Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

- Chains
40.40 A point 3 lks. N. of the standard $\frac{1}{4}$ sec. cor. of sec. 32.
Thence from cor.
N. $89^{\circ} 39'$ E., on a random line, on the south bdy. of sec. 32.
- 40.58 A point 16 lks. N. of the standard cor. of secs. 32 and 33, which is a sandstone, 10 x 8 x 16 ins. above ground, mkd. SC on N. face, with 4 grooves on E. and 2 grooves on W. edge.
In place of stone, and with stone along side;
Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to bedrock, in a mound of stone to top, for standard cor. of secs. 32 and 33, with brass cap mkd.
- | | | | | |
|------|----|---|----|---|
| | S | C | | |
| T 13 | N | R | 12 | E |
| S | 32 | S | 33 | |
- 1935
- from which
- Old bearing trees.
- A pine, 20 ins. diam., bears S. $6^{\circ} 15'$ W., 62 lks. dist. The grown over blaze is left unopened.
- A pine, 24 ins. diam., bears N. $73^{\circ} 30'$ E., 74 lks. dist., mkd. T. 13 N R 12 E S 33 B T.
- A pine, 12 ins. diam., bears N. $65^{\circ} 00'$ W., 18 lks. dist. The grown over blaze is left unopened. I remark tree T. 13 N R 12 E S 32 B T.
- Thence
S. $89^{\circ} 53'$ W., on a true line, on the south bdy. of sec. 32.
Over rocky NE. slope, through heavy timber and scattering undergrowth, asc. 84 ft.
- 2.20 Old dilapidated fence, bears N. 15° W., and S. 15° E.
- 6.00 Ridge, bears NW. and SE.; desc. 155 ft. over NW. slope.
- 6.30 Truck trail, bears N. and S.
- 11.90 West fork of Leonard Canyon, water in holes, course NW.; asc. 71 ft. over NE. slope.
- 15.10 Top of ascent; desc. 23 ft.
- 20.10 Blazed trail, bears NW. and S.; thence over broken E. slope, asc. 163 ft.
- 36.08 Blazed trail, bears NW. and SE.
- 40.58 The standard $\frac{1}{4}$ sec. cor. of sec. 32, which is a sandstone, 10 x 4 x 10 ins. above ground, mkd. $\frac{1}{4}$ on N. face.
In place of stone, with stone along side;
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.

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

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BOOK

Chains

S C

1/4 S 32

1935

from which

Old bearing trees

A pine, 22 ins. diam., bears S. 30° 00' W., 76 lks. dist., Tree has grown over blaze facing cor., which is left unopened.

A pine, 24 ins. diam., bears N. 41° 30' W., 59 lks. dist., Tree has grown over blaze facing cor., which is left unopened. I remark tree 1/4 S 32 S C B T.

New bearing tree

A pine, 20 ins. diam., bears N. 23° 15' E., 96 lks. dist., mkd. 1/4 S 32 S C B T

Thence

S. 89° 42' W., on a true line, on the south bdy. of sec. 32.

Ascend 64 ft. over E. slope.

9.90 Spur, slopes S.; thence over general W. slope, desc. 181 ft.

40.40 The standard cor. of secs. 31 and 32.

Land, rolling.
Soil, silty loam and rocky; 2nd and 3rd rate.
Timber, pine, oak and fir; undergrowth, second growth pine, oak and grass.

From the standard cor. of secs. 32 and 33.

N. 89° 39' E., on a random line, on the south bdy. of sec. 33.

40.41 A point 15 lks. N. of the standard 1/4 sec. cor. of sec. 33.

Thence from cor.

N. 89° 39' E., on a random line, on the south bdy. of sec. 33.

40.40 A point 16 lks. N. of the standard cor. of secs. 33 and 34, which is a sandstone, 9 x 8 x 10 ins. above ground, mkd. with 3 grooves on W. and 3 grooves on E. edge.

In place of stone, and with stone along side;

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for standard cor. of secs. 33 and 34, with brass cap mkd.

S C

T 13 N R 12 E
S 33 S 34

1935

from which

Old bearing trees

A pine snag, 16 ins. diam., bears S. 56° 15' E., 27 lks.

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

Chains

dist., Snag bears trace of old blaze facing cor., but all markings decayed away.

A fallen pine, 16 ins. diam., bears N. 38° 00' W., 83 lks. dist., mkd. S 33 B T

An oak, 12 ins. diam., bears N. 16° 30' E., 85 lks. dist. The grown over blaze is left unopened.

New bearing tree

A pine, 8 ins. diam., bears N. 84° 15' W., 34 lks. dist., mkd. T. 13 N R. 12 E S 33 S C B T.

Thence

S. 89° 53' W., on a true line, on the south bdy. of sec. 33.

Over NW. slope, through heavy timber and scattering undergrowth, desc. 68 ft.

6.00 Ravine, course NW.; asc. 44 ft.

12.00 Spur, slopes N.; desc. 74 ft. over NW. slope.

22.20 Ravine, course NE.; asc. 98 ft. over SE. slope.

32.10 Ridge, bears NE. and SW.; desc. 45 ft.

40.40 The standard $\frac{1}{4}$ sec. cor. of sec. 33, which is a sandstone, 7 x 12 x 22 ins. above ground, mkd. $\frac{1}{4}$ on N. face, in a small mound of stone.

In place of stone, and with stone along side;

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor. of sec. 33, with brass cap mkd.

S. C

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

1935

from which

Old bearing trees

A pine snag, 28 ins. diam., bears S. 15° 00' W., 12 lks. dist., mkd. $\frac{1}{4}$ S B T.

A pine, 24 ins. diam., bears N. 77° 00' E., 45 lks. dist. The grown over blaze facing cor. is left unopened.

New bearing tree

A pine, 6 ins. diam., bears N. 7° 00' W., 24 lks. dist., mkd. $\frac{1}{4}$ S 33 S C B T.

Thence

S. 89° 52' W., on a true line, on the south bdy. of sec. 33.

Descend 40 ft. over NW. slope.

2.50 Ravine, course SW.; asc. 55 ft. over broken SE. slope.

12.00 Spur, slopes SW.; desc. 109 ft. over NW. slope.

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

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Chains	Ravine, course SW.; asc. slightly.												
20.50													
22.40	Spur, slopes SW.; desc. 150 ft. over SW. slope.												
30.35	Thence over W. slope, desc. 160 ft.												
35.20	East fork of Leonard Canyon, course N. for 3 chs., thence NW. A small stream of water in canyon. Ascend 52 ft. over NE. slope.												
40.41	The standard cor. of secs. 32 and 33. Land, rolling and mountainous. Soil, silty loam and rocky; 2nd and 3rd rate. Timber, pine, oak, fir and aspen; undergrowth, second growth pine and oak.												
From the standard cor. of secs. 33 and 34. N. 89° 39' E., on a random line, on the south bdy. of sec. 34.													
40.60	Intersect the standard $\frac{1}{4}$ sec. cor. of sec. 34. Thence from cor. N. 89° 39' E., on a random line, on the south bdy. of sec. 34..												
40.41	A point 5 lks. N. of the standard cor. of secs. 34 and 35, which is an oak post, 4 x 4 x 24 ins. above ground, mkd. T 13 N R 12 E S 34 S C on W., and S 35 S C on E. face. In place of post, and with post along side; 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.												
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>S</td> <td>C</td> <td></td> </tr> <tr> <td>T 13 N</td> <td>R</td> <td>12 E</td> <td></td> </tr> <tr> <td>S 34</td> <td>S</td> <td>35</td> <td></td> </tr> </table>			S	C		T 13 N	R	12 E		S 34	S	35	
	S	C											
T 13 N	R	12 E											
S 34	S	35											
1935													
from which													
Old bearing trees													
An oak, 12 ins. diam., bears S. 43° 15' W., 61 lks. dist., The grown over blaze is left unopened.													
A pine, 12 ins. diam., bears N. 12° 30' E., 57 lks. dist., mkd. T 13 N R 12 E S C B T.													
A pine, 24 ins. diam., bears N. 77° 00' W., 41 lks. dist., mkd. S C T 13 N R 12 E S 34 B T.													
Thence													
S. 89° 43' W., on a true line, on the south bdy. of sec. 34.													
Over NE. slope, through heavy timber and scattering undergrowth, asc. 6 ft.													
4.80	Draw, course NE.; asc. 108 ft. over E. slope.												
14.80	Thence over gradual NE. slope, asc. 45 ft.												

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

Chains	
37.10	Top of ascent; desc. 18 ft. over W. slope.
40.41	The standard $\frac{1}{4}$ sec. cor. of sec. 34, which is a sandstone, 4 x 12 x 10 ins. above ground, mkd. $\frac{1}{4}$ on N. face. In place of stone, and with stone along side; Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. of sec. 34, with brass cap mkd. S C <u>$\frac{1}{4}$ S 34</u> 1935 from which Old bearing trees An oak, 8 ins. diam., bears S. 8° 00' E., 29 lks. dist. The grown over blaze facing cor. is unopened. A pine snag, 24 ins. diam., bears N. 7° 45' W., 21 lks. dist., mkd. $\frac{1}{4}$ S 34 S C B T. New bearing trees A pine, 7 ins. diam., bears N. 73° 15' E., 23 lks. dist., mkd. $\frac{1}{4}$ S 34 S C B T. A pine, 8 ins. diam., bears N. 13° 15' W., 31 lks. dist., mkd. $\frac{1}{4}$ S 34 S C B T. Thence S. 89° 39' W., on a true line, on the south bdy. of sec. 34. Descend 136 ft. over NW. slope.
12.50	Draw, course SW.; asc. 25 ft.
14.90	Spur, slopes SW.; desc. 66 ft. over W. slope.
15.76	Old road, bears N. and S.
19.46	A ten wire fence, bears N. and S.; E. bdy. of Forest Service test plot.
20.06	Bottom of wide gulch, course N.; asc. 126 ft. over broken E. slope.
22.96	A ten wire fence, bears N. and S.; W. bdy. of Forest Service test plot.
36.60	Spur, slopes NE.; desc. 9 ft. over NW. slope.
40.60	The cor. of secs. 33 and 34. Land, rolling. Soil, silty loam and gravelly; 2nd and 3rd rate. Timber, pine, fir, oak and aspen; undergrowth, oak, vine maple, dogwood and locust.

From the standard cor. of secs. 34 and 35.

N. 89° 39' E., on a random line, on the south bdy. of sec. 35.

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

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Chains 40.18	<p>A point 3 lks. S. of the standard $\frac{1}{4}$ sec. cor. of sec. 35. Thence from cor. N. 89° 39' E., on a random line, on the south bdy. of sec. 35.</p>												
40.38	<p>A point 10 lks. N. of the standard cor. of secs. 35 and 36, which is a sand limestone, 16 x 7 x 12 ins. above ground, mkd. SC on N., with 5 grooves on W., and 1 groove on E. edge, set in a small mound of stone. In place of stone, and with stone along side; Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, in a mound of stone to top, for standard cor. of secs. 35 and 36, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td></td> <td>S</td> <td>C</td> <td></td> </tr> <tr> <td>T 13 N</td> <td>R. 12 E</td> <td></td> <td></td> </tr> <tr> <td>S 35</td> <td>S 36</td> <td></td> <td></td> </tr> </table> <p>1935</p> </div> <p style="text-align: right;">from which</p> <p>Old bearing trees</p> <p>A pine, 16 ins. diam., bears N. 49° 45' E., 63 lks. dist., mkd. T 13 N R 12 E S 36.</p> <p>A pine, 30 ins. diam., bears N. 21° 00' W., 109 lks. dist. The grown over blaze on tree is left unopened.</p> <p>Thence</p> <p>S. 89° 48' W., on a true line, on the south bdy. of sec. 35.</p> <p>Over E. slope, through heavy timber, asc. 75 ft.</p>		S	C		T 13 N	R. 12 E			S 35	S 36		
	S	C											
T 13 N	R. 12 E												
S 35	S 36												
7.40	Spur, slopes SE.; thence over SE. slope, asc. 31 ft.												
16.00	Thence over E. slope, asc. 33 ft.												
21.40	Spur, slopes SE.; thence over rolling land.												
40.38	<p>The standard $\frac{1}{4}$ sec. cor. of sec. 35, which is a sandstone, 6 x 5 x 16 ins. above ground, with no discernible markings. In place of stone, and with stone along side; Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. of sec. 35, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td>S</td> <td>C</td> </tr> <tr> <td>$\frac{1}{4}$ S 35</td> <td></td> </tr> </table> <p>1935</p> </div> <p style="text-align: right;">from which</p> <p>Old bearing trees.</p> <p>A pine, 14 ins. diam., bears N. 15° 00' W., 45 lks. dist., mkd. $\frac{1}{4}$ S B T.</p> <p>A pine, 18 ins. diam., bears S. 19° 30' W., 59 lks. dist., mkd. $\frac{1}{4}$ S B T.</p> <p>New bearing trees.</p>	S	C	$\frac{1}{4}$ S 35									
S	C												
$\frac{1}{4}$ S 35													

Resurvey of a portion of the third standard parallel north,
along the south boundary of T. 13 N., R. 12 E.

Chains

A pine, 16 ins. diam., bears N. $9^{\circ} 45'$ E., 50 lks.
dist., mkd. $\frac{1}{4}$ S 35 S C B T.

A pine, 15 ins. diam., bears N. $44^{\circ} 45'$ W., 90 lks.
dist., mkd. $\frac{1}{4}$ S 35 S C B T.

Thence

S. $89^{\circ} 36'$ W., on a true line, on the south bdy. of sec.
35.

Continue over rolling land.

20.20 Descend 113 ft. over NW. slope.

35.70 Road, bears N. and S.

36.70 Draw, course N. 10° E.; asc. 19 ft.

40.18 The cor. of secs. 34 and 35.

Land, rolling.

Soil, silty loam and gravelly; 2nd and 3rd rate.

Timber, pine, fir, oak, aspen and locust; undergrowth, oak,
vine maple, dogwood and locust.

The final tests of instruments are described in the
field notes of the subdivisional lines of T. 12 N., R. 12
E., surveyed under this group.

General description

The land along the third standard parallel north, on
the south boundary of T. 13 N., R. 12 E., is generally
rolling. The general elevation is approximately 7500 ft.
above sea level. The soil is a silty gravelly loam, fre-
quently containing much rock. There is a good stand of
yellow pine, some black and white oak, fir, aspen and lo-
cust. There is little underbrush, but there is generally
a fair stand of native grass.

BOOK 4095

4-680
(Revised May 1934)

FIELD ASSISTANTS

NAMES	CAPACITY
A. F. Scrivner	Principal Assistant
Raymond Davis	Chainman
Dick Lewis	Flagman
John Midzor	Axeman
C. C. Dier	Axeman
William Martin	Cornerman
Bert Wakeman	Principal Assistant
Orland Parks	Chainman
Loral Leavitt	Flagman
Vern Frazee	Axeman
Hugh Goff	Axeman
Albert Jennings	Cornerman

CERTIFICATE OF UNITED STATES SURVEYER

We, Albinus N. Kimmell, U.S. Cadastral Engineer, and
Charles E. Hunter, U.S. Transitman

HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 20th day of March, 1934
received from the district cadastral engineer for Arizona, with assignment
instructions dated June 29, 1935, we have surveyed and resurveyed the Third Stand-
ard Parallel North, along the South boundary of Township 13 North, through
a portion of Range 12 East.

of the Gila and Salt River Meridian, in the State of Arizona, which are
represented in the foregoing field notes as having been executed by us and under our
direction; and that said
survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Glendale, California, February 1, 1936. Albinus N. Kimmell
U. S. Cadastral Engineer.
Glendale, California, February 1, 1936. Charles E. Hunter
U. S. Transitman.


CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS,

Denver, Colorado, June 15, 1936.

The foregoing field notes of the survey of the Third Standard Parallel North,
along the South boundary of Township 13 North, through a portion of
Range 12 East, of the Gila and Salt River Meridian, in the State of
Arizona,

executed by Albinus N. Kimmell, U.S. Cadastral Engineer and Charles E. Hunter,
U.S. Transitman,
under special instructions dated March 20, 1934, and assignment
instructions dated June 29, 1935, having been critically examined, and
the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
therein described, are hereby approved.


U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above described surveys in
is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys.