

Standard
BOOK "H"

2514

BOOK 2514

FIELD NOTES

~~OF THE SURVEY~~ OF THE

*Retracement and Re-survey of the Sixth Standard
Parallel North through Range 20 East*

Of the Gila and Salt River Basins and Meridian,

in the Territory of Arizona

EXECUTED
AS ~~CONDUCTED~~ BY

Sidney E. Blain, United States ~~Deputy Surveyor~~

Special Instructions from the Commissioner of the General Land Office

Under ~~his Contract No.~~ dated *Feb 2nd 1907 and May 15th*, 1908

Retracement & Re-survey commenced May 3rd, 1910

Retracement & Re-survey completed June 5th, 1910

NAMES AND DUTIES OF ASSISTANTS.

Fred L. Warner Chairman

P. V. White Chairman

Chas L Shumway Chairman

Vau L. White Chairman

Ralph C. Sampson Mourner

William P. Carson Flagman

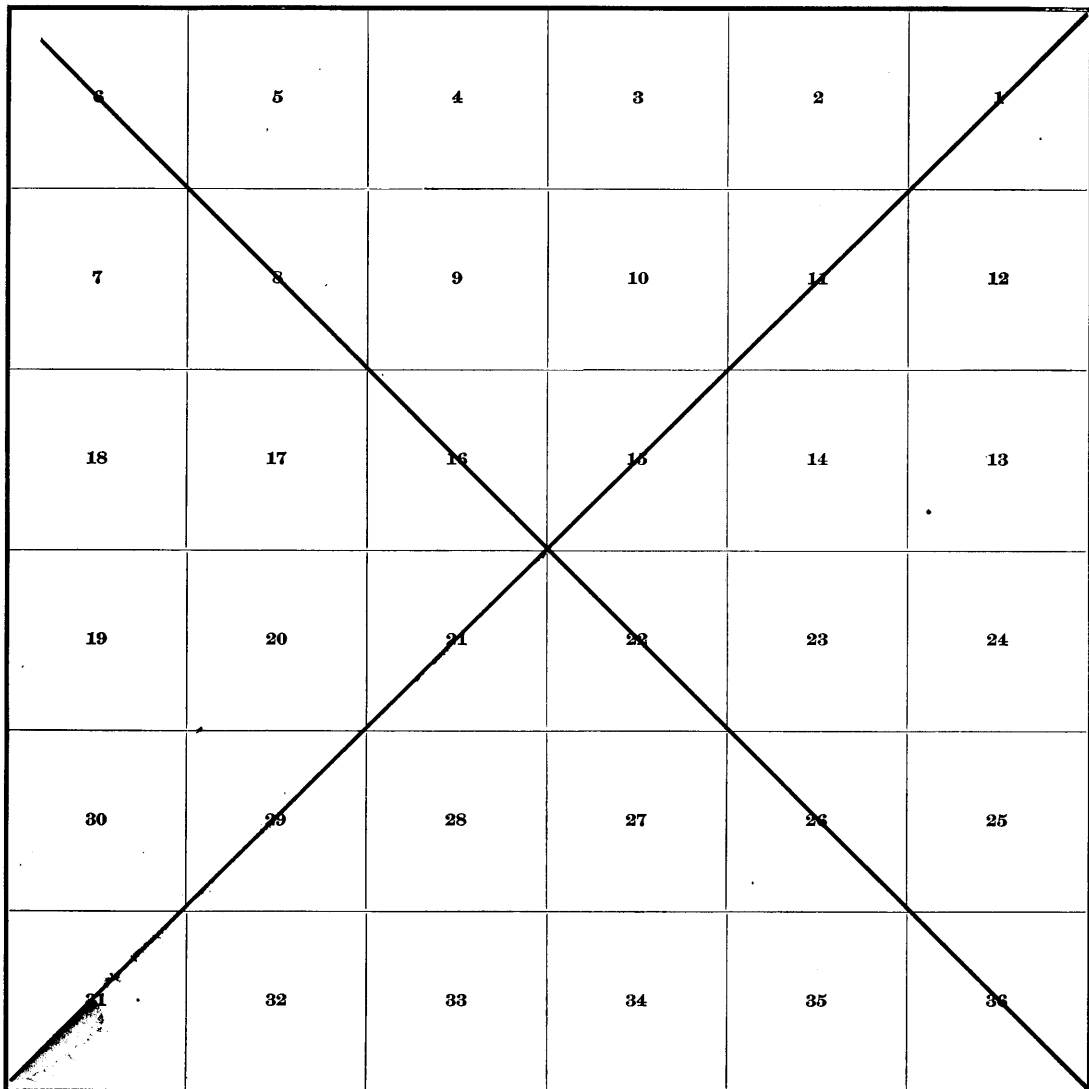
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BOOK 2514

Book No. 2514

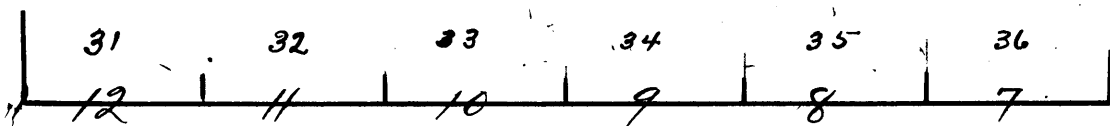
INDEX DIAGRAM.

Township No 25 N , Range No 20 E



~~Meanders Page~~

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SIXTH STANDARD PARALLEL NORTH

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BOOK 2514

PRELIMINARY OATHS OF ASSISTANTS.

WE, Fred L. Warner, D. Y. White, Chas. L. Shumway and Van L. White
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions ^{retracement and re-} given us, in the survey of

6th Standard Parallel north through R 20 E of the G. and S. R. Meridian Arizona.
Van L. White and Fred L. Warner, Chainmen.
Chas. L. Shumway and D. Y. White, Chainmen.

Subscribed and sworn to before me this 2nd
day of May, 1910



Sidney E. Blouk
U.S. Examiner of Surveys

I, Ralph C. Sampson and
do solemnly swear that ~~we~~ will well and truly perform the duties of moundmen in the ^{retracement and re-} establishment of corners, according to the instructions given ~~us~~ ^{me} to the best of ~~our~~ ^{my} skill and ability, in the survey of

6th Standard Parallel North through R 20 East of the G. and S. R. Meridian Arizona.
Ralph C. Sampson, Moundman.
Ralph C. Sampson, Moundman.

Subscribed and sworn to before me this 2nd
day of May, 1910



Sidney E. Blouk
U.S. Examiner of Surveys

WE, _____ and
~~do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of~~

_____, Axman.
_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19____



I, William R. Carson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ^{retracement & resurvey} of The Sixth Standard Parallel North through Range No 20 E of the G. & S. R. Meridian, Arizona.

William R. Carson, Flagman.

Subscribed and sworn to before me this 2nd
day of May, 1910



Sidney E. Blouk
U.S. Examiner of Surveys

Retracement of the 6th Standard Parallel North through R. 20 E. Chain

BOOK 2514

furnished me by the Surveyor General
Course^{and dist.} of line back to the^{old} Stand. Cor. of secs.
32 and 33. is $N 89^{\circ} 37' W$, 79.32 chs.

Note: Clouds obscured the Sun at noon today
rendering an observation for latitude
impossible

May 3rd 1910

May 4th 1910. Ch. 8th 8th am. a. m. ^{l.m.t.} \odot set off. $35^{\circ} 30\frac{1}{2}' N$.
on the lat. arc, $15^{\circ} 50\frac{1}{2}' N$. on the decl. arc, and
determine a meridian with the solar at the
^{old} Stand. Cor. of secs. 33 and 3⁴ ^{above described} \odot run
East on a random line on S. bdy. of
Sec. 34.

Difference bet. measurements of 39.69 Chs. by two
sets of chainmen is .06 lks., position of middle
point.

By 1st set, 39.66 Chs.

By 2nd set, 39.72 Chs., the mean of which is
39.69
Wall 11 lks. N. of the^{old} Stand $\frac{1}{4}$ sec. Cor. which is a
basalt stone 10 x 8 x 6 ins., loosely set in a mound
of stone. marked as described in the field notes
furnished me by the Surveyor General.

Course^{and dist.} of line back to the^{old} Stand. cor of secs. 33 and 34
is $N 89^{\circ} 56' W$, 39.69 chs.

I begin at the Stand $\frac{1}{4}$ sec. cor. Sec. 34, ^{above described}
^{and measuring from same run E. on random line on S. bdy. of Sec. 34 on E. half mile}
Difference bet. measurements of 39.35 Chs. by
two sets of chainmen is .08 lks., position of
middle point.

By 1st set, 39.39 Chs.

By 2nd set, 39.31 Chs., the mean of which is
39.35
Wall .05 lks. N. of the^{old} Stand Cor. of secs 34 and
35 which is a Cedar post. 3 ins. sq. 4 ft. long,
greatly decayed, marked and witnessed as
described in the field notes furnished me
by the Surveyor General

Course^{and dist.} of line back to the^{old} Stand $\frac{1}{4}$ sec. cor. is
 $N 89^{\circ} 56' W$, 39.35 chs.

Retracement of the 6th Stand, Parallel No, through R. 20 E
Chains

BOOK 2514

East on a random line on S. bdy. of sec.

35.

Difference Ch. measurements of 40.00 Chs. by two sets of Chainmen is .04 lbs., position of middle point.

By 1st Set. 40.02 Chs.

By 2nd Set. 39.98 Chs. the mean of which is

40.00 I make a diligent search for the ^{old} Stand $\frac{1}{4}$ sec. cor. which I fail to find, therefore I continue my alignment and measurements.

Difference Ch. measurements of 81.11 Chs. by two sets of Chainmen is .04 lbs., position of middle point.

By 1st Set. 81.13 Chs.

By 2nd Set. 81.09 Chs. the mean of which is

81.11 I place a 04 lbs. ^{old} Stand, Cor. of sec. 35 and 36. which is a Cedar post. 3 ins. sq. 3 ft. above ground, marked and witnessed as described in the field notes furnished me by the Surveyor General

Course ^{and dist.} of line back to the ^{old} Stand Cor. of sec. 34 and 35 is $N 89^{\circ} 58' W$, 81.11 chs.

Note: At this cor. I set off $15^{\circ} 53' N$ on the decl. arc and at noon observed the Sun on the meridian and obtain a reading of $35^{\circ} 30' N$ on the lat. arc.

East, on a random line on S. bdy. of sec. 36.

25.26

Fall 19 lbs. S. of the old closing corner of Tps. 24 N., Rs. 20 & 21 E. described in Standard Book "L", which I later re-establish in its original position as described in some book of notes.

Difference Ch. measurements of 39.98 Chs. by two sets of Chainmen is .02 lbs., position of middle point.

By 1st Set. 39.97 Chs.

By 2nd Set. 39.99 Chs. the mean of which is

39.98 I place 25 lbs. S. of the ^{old} Stand, $\frac{1}{4}$ sec. cor. which is a Cedar post. 3 ins. sq. 3 ft. long, marked and witnessed as described in the field notes furnished me by the Surveyor General

Course ^{and dist.} of line back to the ^{old} Stand cor. of sec. 35 and 36 is $S 89^{\circ} 39' W$, 39.98 chs.

I begin at the Stand $\frac{1}{4}$ sec. cor. sec. 36, ^{above described} and measuring

Survey commenced May 3rd 1910 and executed with a Wand L. E. Gurley engineers transit No. 76 with a Burt Solar attachment. The horizontal limb is provided with one double vernier reading to single minutes of arc. The verniers of the Latitude and declination arcs, read to 0" 30" of arc.

I examine the adjustments of the transit and find them correct and know from recent tests of the solar apparatus, by comparing its indications resulting from solar observations made during a. m. and p. m. hours with a meridian established by observations on Polaris, that the instrument is in satisfactory adjustment.

I begin at the ^{old} Standard Cor. of Twp. 35 N. R. 19 and 20 E. which is a basal. stone 14x10x6 ins. above ground loosely set, marked and witnessed as described in the field notes furnished me by the Surveyor General.

Latitude 35° 30' 35" N. Longitude 110, 15' 49" W.
Ch. 74.30 ^{1.m.f.} a. m. S. set off 35° 30 1/2' N. on the lat. arc. 15° 33' N. on the decl. arc. and determine a meridian with the solar. at the above described Twp. Cor. Thence run

East on a random line on S. side of sec 31. Difference bet. measurements of 39.38 Chs. by two sets of chainmen is 08 lbs., position of middle point.

By 1st set. 39.42 Chs.
By 2nd set. 39.34 Chs. the mean of which is 39.38
Fall 61 lbs. N. of the ^{old} Stand 1/4 sec. Cor. which is a basal. stone 12x6x7 ins loosely set, marked nearly obliterated.

39.38

Course ^{and dist.} of line back to the Twp. Cor. N 89° 07' W., 39.38 Chs.
I begin at the ^{old} Stand 1/4 sec. Cor. above described and measuring from same run on random line E. on S. body of Sec. 31 on E. half mile.

Difference between measurements of 40.00 Chs. by two sets of chainmen is 06 lbs., position of middle point

By 1st set. 40.03 Chs.
By 2nd set. 39.97 Chs. the mean of which is 40.00
Make a diligent search for the ^{old} Standard Cor. of Secs. 31 and 32. which I fail to find therefore I continue my ^{random} line and measurement. Difference bet. measurements of 80.50 Chs. by two

40.00

Retraacement of the 6th Stand Parallel North through P 206.
 Chains

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sets of Chainmen is. 06 lbs. position of middle point.

By 1st Set. 80.53 Chs.

By 2nd Set. 80.47 Chs. the mean of which is.
 80.50 Wall 28 lbs. N. of the ^{old} Stand $\frac{1}{4}$ sec. cor. on S. bdy. of
 sec. 32. which is a basal. stone 12x9x6 ins. loosely
 set. marked and witnessed as described in the
 field notes furnished me by the Surveyor General.
 Course ^{and dist.} of line back to the ^{old} Stand $\frac{1}{4}$ sec. cor. on
 S. bdy. of sec 31, is $N 89^{\circ} 48' W$, 80.50 chs.

I begin at the ^{old} same run ^{std $\frac{1}{4}$ sec. cor. above described and measuring from}

East on a random line on S. bdy. sec. 32, E. half mile.
 Difference bet. measurements of. 40.13 Chs. by two
 sets of Chainmen is. 04 lbs., position of middle point.

By 1st Set. 40.11 Chs.

By 2nd Set. 40.15 Chs. the mean of which is
 40.13 Wall 12 lbs. S. of the ^{old} Stand. Cor. of sec. 32 and 33, which
 is a cedar post greatly decayed, marked with 4
 notches on E and 2 notches on W. edges, other marks
 on post too dim to read., No. cor. accessories.
 Course ^{and dist.} of line back to the ^{old} Stand $\frac{1}{4}$ sec. cor. sec 32.
 is $S 89^{\circ} 50' W$, 40.13 chs.

East on a random line on S. bdy. sec. 33.
 Difference bet. measurements of. 40.00 Chs. by
 two sets of Chainmen is. 08 lbs., position of
 middle point.

By 1st Set. 40.04 Chs.

By 2nd Set. 39.96 Chs. the mean of which is
 40.00 I make a diligent search for the ^{old} Stand $\frac{1}{4}$ sec.
 cor. which I fail to find, therefore I continue
 my alignment and measurements.

Difference between measurements of 79.32. Chs.
 by two sets of Chainmen is 10 lbs., position of
 middle point.

By 1st Set. 79.37 Chs.

By 2nd Set. 79.27 Chs., the mean of which is
 79.32 Wall 52 lbs. N. of the ^{old} Stand, Cor. of sec. 33
 and 34, which is a basal. stone, 12x10x8 ins.
 above ground, loosely set. marked and
 witnessed as described in the field notes

Retracement of the 6th Standard Parallel North through R20 E
Chain

from same run E. an random line on S. bdy. of Sec. 36 on E. half mile

Difference bet. measurements of 40.09 Chs. by two sets of chainmen is, 0.2 lks. position of middle point

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By 1st Set. 40.10 Chs.

By 2nd Set. 40.08 Chs. the mean of which is

40.09 Fall 3 lks. N. of the ^{old} Stand Cor. of Tps. 25 N. R's

20 and 21 E. which is a sand stone marked and witnessed as described in the field notes furnished me by the Surveyor General.

This cor. falls in the edge of a dry sand wash ^{course, SE.} where natural conditions will destroy it in a short time.

^{and Dist.} Course of line back to the ^{old} Stand. $\frac{1}{4}$ Sec. cor. Sec 36.

is N 89° 57' W., 40.09 chs.

May 4th 1910

Resurvey of the 6th Standard Parallel North through R 20 East
 6 ~~Chickadee~~

BOOK 2514

I find from my retracement of the 6th Standard Parallel North through R 20 E., that the line is defective in measurement and alignment and that some of the corners are destroyed while others are in a state of dilapidation and as no allotments have been made in the north tier of secs. in Tps 24 N., R 20 E. based on the surveys as they now exist.

I resurvey the 6th Stand. Parallel N. through this range as follows;

I destroy all of the old ^{5th} corners on the parallel between the Southeast and Southwest corners of Tps 25 N. R 20 E., and establish a new Standard line between, with corners at regular intervals of 4000 chs., throwing the fractional distance into the west half mile, and close the old survey in Tps 24 N., R 20 E. upon the newly established line as described in Subdivisional Book "ZF"

Resurvey Commenced June 5th 1910 and executed with a W and L E. Gurley engineer transit No. 76 with a Burt-Solar attachment, the horizontal limb is provided with one double vernier reading to single minutes of arc. The ~~verniers~~ of the latitude and declination arcs read to 0'30" of arc.

I examined the adjustments of the transit and find them correct and know from recent tests of the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris, that the instrument is in satisfactory adjustment.

I begin at the ^{old} Standard Cor. of Tps. 25 N. R's 20 and 21 E. ^{hereinbefore described} Latitude 35° 30' 35" N. Longitude 110° 09' 26" W.

This cor. being situated in the edge of a sand wash ^{course S.E.} where prevailing conditions are sure to destroy it in a short time, I destroy the cor. and establish a witness cor. to the Stand Cor. of Tps. 25 N. R's 20 and 21 E. as follows;

Jan 5th 1910. Ut. 8^h 0m. am. ^{1 m. N.} 1st set off. $35^{\circ} 30' \frac{1}{2}''$ N.
 Run the lat. arc. $22^{\circ} 30' \frac{1}{2}''$ N. on the decl. arc and
 determine a meridian with the solar at the
 true point for Stand. Cor. of Tps. 35 N., R's 20
 and 21 E. Thence Drasurvey

N $89^{\circ} 51' W.$ on a true line on S. side of sec.
 36.

2.00 Ascend S.E. slope over rolling sandy land
 through scattering greasewood brush undergrowth
 Set an iron post 3 ft. long, 3 in. in diam., 24
 in. in the ground for witness cor. to the
 Standard Cor. of Tps. 35 N., R's 20 and 21 E.
 marked on brass Cap T 25 N., R 20 E., R 21 E., S 31
 S 36. in N. half. W.C. in S. half.

Dig pits 30 x 24 x 12 ins crosswise on line
 E and W. 4 ft. and N. of post. 8 ft. dia. and
 raise a mound of earth 5 ft. base, $2 \frac{1}{2}$ ft. high.
 N. of cor.

9.00 A. point from which a deserted Indian
 Hogan bears S, 5.00 chs. dist., Enter scattering
 Cedar timber bears N.E. and S.W.

Difference between measurements of 40.00 chs. by
 two sets of chainmen is .04 lbs., position of
 middle point

By 1st set. 40.02 chs.

By 2nd set. 39.98 chs. the mean of which is

40.00 Set an iron post 3 ft. long 1 in. in diam., 26 ins.
 in the ground for ^{re-established} stand $\frac{1}{4}$ sec. cor. marked
 on brass Cap. $\frac{1}{4}$ S 36. on N. half from which
 A fir or pine 12 ins. in diam. bears N. $38 \frac{3}{4}^{\circ}$ E.
 21 lbs. dia., marked S.C. $\frac{1}{2}$ S 36 B.T.

No other trees suitable for bearing trees within limits.

Dig pits 18 x 18 x 12 ins. E and W. of post. 3 ft. dia.
 and raise a mound of earth $3 \frac{1}{2}$ ft. base. $1 \frac{1}{2}$ ft.
 high N. of cor.

40.50 Top of aspen on ridge bears N.E. and S.W. desc
 gradually over N.W. slope.

54.81 The old C.C. of Tps. 24 N., R's 20 & 21 E. later re-established by me as described in Standard Book "L"

65.53 Dry ravine 15 lbs. wide 3 ft. deep. Course S.E. asc.

Difference between measurements of 80.00 chs by
 two sets of chainmen is .06 lbs. position of
 middle point.

By 1st set. 80.03 chs.

Resurvey of the 6th Standard Parallel North through R20 E
blain

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By 2nd Feb. 1997 Chs. the mean of which is.
80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins.
in the ground ^{re-established} for ₁ stand. Cor. of sec. 35 and 36.
marked on brass Cap. T25 N. S 35 in N.W. and
R20 E, S 36 in N.E. quadrant. No trees in line.
Dig pits 24x18x12 ins. Crosswire on each line. E
and W. 3 ft. and N. of post. 7 ft. dist. and raise
a mound of earth 4 ft. base, 2 ft. high. N. of cor.
Land rolling.
Soil sandy 3rd rate.
Timber scattering cedar and juniper pine.

N 89° 51' W. on S. ldy. of sec. 35.
Ascend gradually over E. slope through
scattering juniper pine and cedar timber and
scattering sage bush undergrowth.
Difference between measurements of 40.00 Chs.
by two sets of Chainmen is 02. lbs. position
of middle point.

By 1st Feb. 39.99 Chs.
By 2nd Feb. 40.01 Chs. the mean of which is
40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
in the ground ^{re-established} for ₁ stand. $\frac{1}{4}$ sec. cor. marked
on brass Cap. $\frac{1}{4}$ S. 35 on N. half, from which.
A juniper pine 8 ins. in diam. bears N. 48° W. 96
lbs. dist. marked S.C. $\frac{1}{4}$ S 35 B.T.
No other trees suitable for bearing trees available.
Dig pits 18x18x12 ins. E and W. of post. 3 ft. dist.
and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high N. of cor.

61.00 Clear timber bears N. and S.
Difference between measurements of 80.00 Chs. by two
sets of Chainmen is 04 lbs., position of middle
point.

By 1st Feb. 79.98 Chs.
By 2nd Feb 80.02 Chs. the mean of which is.
80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins.
in the ground ^{re-established} for ₁ stand. Cor. of sec. 34 and 35.
marked on brass Cap. T25 N. S. 34 in N.W. and
R20 E, S 35 in N.E. quadrant.

Dig pits 24x18x12 ins. Crosswise on each line
 E and W, 3ft. and N. of post. 7 ft. dist. and raise
 a mound of earth 4 ft. base, 2 ft. high. N.
 of cor.
 Land rolling
 Soil sandy 3rd rate
 Timber Juniper fine and Cedar

N 89° 51' W. on S. ldy. of sec. 34.
 Ascent E. slope over rolling sandy land
 through scattering sage brush undergrowth
 and bunch grass.

- 31.00 Top of ridge bears N. and S. desc. W. slope.
- 36.25 Enter scattering cedar and juniper fine timber bears
 N.E. and S.W.

Difference bet measurements of 40.00 Chs. by two
 sets of Chainmen is .06 Chs., position of middle
 point

- By 1st Set. 39.97 Chs.
- By 2nd Set 40.03 Chs. the mean of which is
- 40.00 Set an iron post. 3 ft. long. 1 in. in diam. 26 ins. in
 the ground ^{re-established} for stand 1/4 sec. cor., marked
 on Brass Cap 1/4 S 34. on N. half from which.
 A cedar 10 ins. in diam. bears N. 16° W. 187 lks.
 dist. marked S.C. 1/4 S. 34 B.T.

No other trees suitable for bearing trees available
 Dig pits 18x18x12 ins E and W of post. 3ft. dist.
 and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft.
 high N. of cor.

- 54.90 Dry ravine 50 lks. wide 2 ft. deep, course N.W.
 are., bears rolling land bears N.W. and S.E. Enter
 hilly land bears N.W. and S.E.
- 67.45 Top of ridge bears N.E. and S.W. desc.
- 73.20 Dry ravine 20 lks. wide 10 ft. deep course N. asc.
- 78.45 Top of ridge bears N. and S. desc. gently
 Difference bet measurements of 80.00 Chs. by
 two sets of Chainmen is .08 lks., position of
 middle point.
 By 1st Set. 79.96 Chs.
 By 2nd Set. 80.04 Chs. the mean of which is

Resurvey of the 6th Standard Parallel North through R20 E. Chain

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80.00 Set an iron post, 3 ft. long, 3 ins. in diam. 24 ins. in the ground for ^{re-established} Stand. Cor. of sec. 33 and 34. Marked on brass Cap. T 25 N. S 33 in N.W. and R20 E, S 34 in N.E. Quadrant. From which. A Cedar 8 ins. in diam. bears N. 35° 45' E 109 lbs. dist. marked T 25 N. R20 E S. 34 B.T.
 A pinon pine 6 ins. in diam. bears N. 66° W. 71 lbs. dist. marked T 25 N. R20 E. S 33 B.T.
 Land rolling and hilly.
 Soil sandy 3rd rate
 Timber pinon pine and Cedar

N 89° 51' W. on S. ldy. of sec. 33.

Proceed W. slope over hilly sandy and stony land, through scattering pinon pine and Cedar timber and sage brush undergrowth.

- 3.50 Dry ravine 15 lbs. wide course N.W. ase.
 - 14.00 Top of ridge bears N.E. and S.W. decl.
 - 18.17 Dry ravine 15 lbs. wide course N.E. ase.
 - 22.50 Top of stony ridge 30 ft. above ravine, bears N and S. decl. W. slope.
 - 28.50 Same rocky ravine 15 lbs. wide course S.E. ase.
- Difference between measurements of 40.00 Chs. by two sets of Chainmen is 06 lbs. 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. in diam. 20 ins. in the ground for ^{re-established} Stand 1/4 sec. cor, marked on brass Cap. 1/4 S 33 on N. half. from which. A Cedar 16 ins. in diam. bears N. 30 1/2° E 270 lbs. dist. marked S.E. 1/4 S 33 B.T.

No other trees suitable for bearing trees within limits.

Raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable

Difference bet. measurements of 80.00 Chs. by two sets of Chainmen is 10 lbs., position of middle point.

By 1st Set. 80.05 Chs.

80.00 By 2nd Sep. 79.95 Chs. the mean of which is
 Set an iron post 3 ft. long 3 ins. in diam 24
 ins. in the ground for ^{re-established spot} Stand Cor. of sec.
 32 and 33, marked on brass cap T2576.332
 in NW. and R20E S33 in N.E. quadrant.
 Dig pits 24x18x12 ins. Crosswise on each line
 East W 3 ft. and 76. of post. 7 ft. dia. and
 raise a mound of earth 4 ft. base, 2 ft. high.
 76. of cor.
 No trees within limits.
 Land hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber prairie pine and cedar.

NOTE: At this Cor. Set off. 22° 31½' N. on the
 decl. arc and at noon observed the sun
 on the meridian and obtain a reading
 of 35° 30' N. on the lat. arc.

20.90 W 89° 51' W, on S. liny. of. sec. 32.
 Ascend N.E. slope over rolling sandy and stony
 land through scattering cedar timber and
 sage brush undergrowth
 Top of ridge bears NW and S.E. desc.
 Difference bet. measurements of 40.00 Chs. by
 two sets of Chainmen is .04 Chs. position of
 middle point.

40.00 By 1st Sep. 40.02 Chs.
 By 2nd Sep. 39.98 Chs. the mean of which is.
 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for ^{re-established spot} Stand ¹/₄ sec. cor. marked on brass
 cap 14532 on N. half. from which.
 A cedar 12 ins. in diam. bears N. 26° E 84 lbs.
 dia. marked S.E. ¹/₄ S 32 B.T.
 No other trees suitable for bearing trees in limits.
 Dig pits 18x18x12 ins. East W. of post. 3 ft.
 dia. and raise a mound of earth 3½ ft. base
 1½ ft. high. 76. of cor.
 Difference bet. measurements of 80.00 Chs.
 by two sets of Chainmen is .08 lbs. position
 of middle point.

Recovery of the 6th Standard Parallel No. through R20E
Chain

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By 1st Sec. 80.04 Chs.

By 2nd Sec. 79.96 Chs. the mean of which is
80.00 Sec an iron post 3 ft. long 3 ins. in diam, 24 ins.
in the ground for ^{re-established} Stand. Cor. of sec. 31 and 32
marked on brass Cap T25 N. S 31 in N.W. and
R20E. S. 32 in N.E. quadrants.

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N.
of cor.

No trees within limits. Pitts impracticable
Land rolling and hilly.

Soil sandy and stony 3rd rate.

Timber Pinion pine and Cedar.

N 89° 51' W. on S. Side of sec. 31.

Descend N.W. slope over stony hilly land through
scattering pinion pine and cedar timber and
sagebrush undergrowth.

6.60 Dry ravine 30 lbs. wide course S.W. asc.

24.00 Top of ridge bears N. and S. desc.

Difference Ch. measurements of 40.00 Chs by
two sets of Chaimmen is: 6 lbs., position of
middle point.

By 1st Sec. 39.97 Chs.

By 2nd Sec. 40.03 Chs. the mean of which is.

40.00 Sec an iron post 3 ft. long 1 in in diam, 26 ins. in
the ground for ^{re-established} Stand. Cor. of sec. 31, marked on
brass Cap 1/4 S 31 on N. half, from which.

A Cedar 7 ins. in diam, bears N 36 1/2° W. 171 lbs.
diam. marked 1/4 S 31 B.T. No other trees suitable
for bearing trees in limits.

Raise a mound of stone 2 ft. base, 1 1/2 ft. high
N. of cor, Pitts impracticable

64.65 West edge of mesa bears N.E. and S.W., lean
hilly land bears N.E. and S.W. Enter mountainous
land, descend abruptly over W. slope

72.48 Dry ravine 150 ft. below top of mesa course
N.W. asc. abruptly

Difference Ch. measurements of 79.55 Chs. by
two sets of Chaimmen is 10 lbs., position of
middle point

By 1st Sec. 79.50 Chs.

Resurvey of the 6th Standard Parallel North through R20E.
Chain

By 2nd Sec. 7960 Chs. the mean of which is
79.55 Intersect the Stand. Cor. of Twp. 25 N. R's 19
and 20 E, ^{as described in Standard Book 2514} which were established May 16, 1910.

BOOK 2514

June 5th 1910

General Description.

Through R20E. this line runs across a high broken mesa country, covered with scattering cedar timber,

The land south of the line is of a mountainous character covered with a heavy growth of cedar timber and is watered by numerous small springs, while that to the north consists of high mesa land and rolling prairies, and should be subdivided.

June 5th 1910

Sidney E. Blount
U.S. Examiner of Surveys

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U.S. EXAMINER OF SURVEYS
FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

BOOK 2514

A list of the names of the individuals employed by Sidney E. Blout
Examiner of Surveys, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the retracement and re- survey of The 6th

Standard Parallel North through Range No. 20 E. of the G. & S. R. Meridian,
Arizona.

showing the respective capacities in which they acted:

Fred L. Warner and W. J. White, Chainmen.

Chas L. Shumway and Van L. White, Chainmen.

Ralph C. Sampson, Moundman.

....., Moundman.

....., Arman.

....., Arman.

William A. Carson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blout

....., United States Examiner of Surveys retracing & re-
Deputy Surveyor, in surveying all

those parts or portions of the Sixth Standard Parallel North through

Range No. 20 East.

..... of the Gila and

Salto River Base and meridian, Territory of Arizona, which are represented

in the foregoing field notes as retraced and re- having been surveyed by him and under his direction; and that said retracement and re- survey

has been in all respects, to the best of our knowledge and belief, well and faithfully executed, and the

corner monuments Established, according to the instructions furnished by the Commissioner of the United States Surveyor

General Land Office

Fred L. Warner and Van L. White, Chainmen.

J. J. White and Chas L. Shumway, Chainmen.

Ralph C. Sampson, Moundman.

....., Moundman.

....., Arman.

....., Arman.

William A. Carson, Flagman.

Subscribed and sworn to before me this 28th

day of July, 1910



Sidney E. Blout
U.S. Examiner of Surveys

BOOK 2514

EXAMINER OF SURVEYS DEPUTY SURVEYOR. FINAL OATH OF UNITED STATES

I, Sidney E. Blout, Examiner of Surveys, United States Deputy Surveyor, do solemnly swear that, in pursuance of Special Instructions received from the Commissioner of the General Land Office, bearing date of the 2nd day of Oct. 1907 and the 15th day of May 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the General Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The 6th Standard Parallel north through Range No 20 East

of the Gila and Salt River Base and meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been retraced and re- surveyed by me and under my direction; and I do further solemnly swear 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 United States Surveyor General for the General Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes retracement and re- of such survey.

Sidney E. Blout
Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19 _____

United States Deputy Surveyor
Examiner of Surveys



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona APR 26 1914

The foregoing field notes of the retracement and resurvey of the
6th Standard Parallel North through Range 20 East, of the
Gila and Salt River Base and Meridian, Arizona.

executed by Sidney E. Blout, U.S. Examiner of Surveys
under Special Instructions from the Commissioner of the General Land Office
under his contract No. _____, dated October 2, 1907 and May 15, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements & resurveys they describe, are hereby approved.

Frank S. Lyall
United States Surveyor General
SURVEYOR-GENERAL OF ARIZONA

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.

United States Surveyor General