

RESURVEY - T I S T S T A N D A R D
R. 23 E.
CONTRACT NO 53

1546

BOOK 1546

4-671

FIELD NOTES
GENERAL LAND OFFICE.

1546

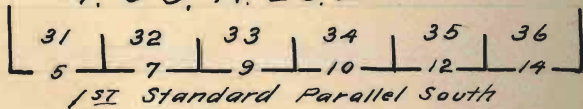
Field Notes
of the resurvey of the
1st Standard Parallel South
Through
Range N 9 23 East.
of the
Gila and Salt River Base and Meridian
in the
Territory of Arizona
as surveyed by
Philip Coutzen
U. S. Deputy Surveyor
under his contract N° 53
Dated June 17. 1899

Survey commenced April 17. 1900
Survey completed May 11. 1900

BOOK 1546

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T. 5 S. R. 23. E



Resurvey of the 1st Standard Parallel

Before commencing the survey of T. 6 S. R. 23 E. I proceed to test the chaining and alignment of the 1st Standard Parallel South through Range 23 E which forms the N. Bdy. of said Tp. I commence at the D. C. to Tps. 5 S. Rs. 23 and 24 E. which is a decayed post partly lying on the ground, I destroy the same and reestablish it in the original place as follows:

Set a granite stone 18x8x7 ins. 12 ins. in the ground for Standard cor. of Tp. 5 S. R. 23 and 24 E. marked S.C. on N. with 6 grooves on N. E. and W. faces. re dig pits. 30x24x12 ins.

South, through Range 23 East,
chains

crosswise on each line E
and W, 4 ft. and N of stone
8 ft dist. and raised a
mound of earth 5 ft. base
2½ ft high N of cor.

April 17, 1900. at 7.50 am. l.m.t.

I set off $32^{\circ}56'$ on the east. arc;
 $10^{\circ}27'$ on the decl. arc; and
determine a true meridian
with the solar. at the cor. of
Tp. 5 S. Rs. 23 and 24 E.

Thence I run

West on a blank line.

- 25.57 Remains of closing cor. of Tp.
5 S, Rs. 23 and 24 E. bears 6 eks. N.
- 39.77 old Standard $\frac{1}{4}$ sec. cor. bears 11½ eks N.
- 79.44 old S.C. of secs. 35 and 36 bears 24 eks N
- 119.09 Remains of old Standard $\frac{1}{4}$ sec. cor. ³⁵ bears
38 eks. N.

Resurvey of the 1st Standard Parallel
chains

- 158.62 Remains of S.C. of secs. 34 and
35 bears 53 lks. N.
- 198.29 Remains of S.C. $\frac{1}{4}$ sec 34, bears
61 lks. N.
- 237.97 Remains of D.S. of secs. 33 and
34, bears 69 lks. N.
- 277.64 Point of old S.C. $\frac{1}{4}$ sec Cor. 33, bears
81 lks. N.
- 317.32 Remains of S.C. of secs. 32 and
33 bears 97 lks. N.
- 356.97 Remains of D.C. $\frac{1}{4}$ Sec 32, bears
113 lks. N.
- 396.40 Remains of D.C. of secs. 31 and
32 bears 118 $\frac{1}{2}$ lks. N.
- 436.07 Remains of S.C. $\frac{1}{4}$ sec. 31 bears
123 lks. N.
- 476.71 The Cor. of S.C. to Twp. 5 S., R. 22
and 23 E as heretofore
described.

South, through Range 23 East. continued
chains

Finding this line out in chaining and alignment therefore I report to The Surveyor General and ask for authority of the resurvey of the 1st Standard Parallel South through Range 23 East. The Honorable Commissioner having approved authority by telegram May 8, 1900 I proceed to reestablish said standard line

May 11, 1900. at 7.45 am L.M.T. I set off $32^{\circ} 56'$ on the lat. arc; $17^{\circ} 52' N$ on the decl. arc. and determine a true meridian with the solar at the S.C. of T_p 5. S. R_s 22, and 23 E as heretofore described.

Resurvey of the 1st Standard Parallel
chains

- Thence I run
 $S 89^{\circ} 56' E$, on S. Bdy of sec. 31.
 over level land
- 10.50 Wash 6 lks. wide, course N Easterly
- 28.10 Wash 10 lks. wide, course N Easterly
- 29.85 Road from Ft Thomas to Cedar Springs
 bears Northerly and Southerly
- 39.64 Set a Lime stone $18 \times 10 \times 8$ ins.
 in the original cor. point as follows
 12 ins. in the ground for Standard
 $\frac{1}{4}$ sec. cor. marked S.C. $\frac{1}{4}$ S. 31
 on N face. dug pits $18 \times 18 \times 12$
 ins. E and W. of stone 3 ft. dist.
 and raised a mound of earth
 $3\frac{1}{2}$ ft. base $\frac{1}{2}$ ft high N. of cor.
- 47.60 Wash 12 lks. wide, course N Easterly
- 53.80 Wash 6 lks. wide, course N Easterly
- 71.70 Wash 20 lks. wide, course N. Easterly
- 79.31 Set a Lime stone $18 \times 8 \times 6$ ins.
 12 ins. in the ground for

South, through Range 23 East, continued
chains

Standard cor. of secs 31
in the original cor. point.
and 32_n marked S.C. on
N with 5 grooves on E. and
1 groove on W. faces,
from which

A mesquite 5 ins. diam.
bears, N 28° E, 44 lks. dist.
marked S.C. T. 5 S. R. 23 E.
S. 32, B.T.

A mesquite 6 ins. diam. bears
N 45 1/4° W, 194 lks. dist. marked
S.C. T. 5 S. R. 23 E. S. 31, B.T.

Land level

Soil, gravelly, 2nd rate

No timber,

Undergrowth, scrub mesquite
and greasewood.

Resurvey of the 1st Standard Parallel
chains

- S 89° 46' E on S. Bdy of sec 32.
- 0.50 Wash 6 lks, wide, course N. Easterly
- 29.00 Wash 20 lks, wide, course N Easterly
- 39.43 Set a mesquite post, 3 ft. long
4 ins. square, 24 ins. in the
ground, in the original cor.
point, for standard $\frac{1}{4}$ sec. cor.
marked S.C. $\frac{1}{4}$ S. 32. on N. face,
dug pits 18x18x12 ins. E and W
of post 3 ft. dist. and raised
a mound of earth $3\frac{1}{2}$ ft
base, $1\frac{1}{2}$ ft. high N. of Cor.
- 43.40 Wash 30 lks, wide, course N Easterly
- 43.75 Wash 10 lks, wide, course N Easterly
- 55.00 Wash 20 lks, wide, course N Easterly
- 65.20 Wash 10 lks, wide, course N Easterly
- 72.10 Wash 10 lks, wide, course N. Easterly
- 79.08 I reestablish the old sec. cor.
in its original place as

South, through Range 23 East, continued
chain

follows:

Set a Granite stone $18 \times 8 \times 7$
ins. 12 ins. in the ground
for standard cor. of secs.
32 and 33, marked SC. on
N. with 4 grooves on E. and
2 grooves on W. faces.

dug pits $24 \times 18 \times 12$ ins.
crosswise on each line
E and W, 3 ft. and N of stone
7 ft. dist. and raised a
mound of earth 4 ft base
2 ft high. N. of cor.

Land level

Soil, gravelly, 2nd rate
Timber, a few scrub mesquite
Undergrowth, greasewood.

Resurvey of the 1st Standard Parallel
chains

- 589° 50' E. on S. Bdy. of sec 33.
- 5.00 Wash 8 lks. wide, course N. Easterly
- 15.90 Wash 30 lks. wide, course N. Easterly
- 38.50 Wash 2 chs. wide, course N. Easterly
39.67 The point for $\frac{1}{4}$ sec. cor comes in wash.
- 42.00 Set a Granite stone 18 x 8 x 6 ins.
12 ins. in the ground for witness
cor. to Standard $\frac{1}{4}$ sec. cor.
marked WC, SC, $\frac{1}{4}$ S. 33 on N
dig pits 18 x 15 x 12 ins. E and
W of cor. 3 ft dist. and raised
a mound of earth 3 $\frac{1}{2}$ ft base
1 $\frac{1}{2}$ ft high. N. of cor.
- 44.25 Wash 10 lks. wide, course N. Easterly
- 49.20 Enter wash 60 lks. wide course Easterly
- 55.00 Leave wash, course N. Easterly
- 67.00 ascend to mesa
- 77.00 Wash 20 lks. wide, course N. Easterly
- 79.35 I reestablish the old sec. cor.
at its original place as follows:

South through Range 23 East. continued
chains

Set a Limestone $18 \times 8 \times 6$ ins.
12 ins. in the ground for
standard cor of secs. 33 and
34, marked SC, on N. with
3 grooves on E and W. faces.
dug pits $24 \times 18 \times 12$ ins.
crosswise on each line
E and W, 3 ft. and N of stone
7 ft dist. and raised a
mound of earth 4 ft base
2 ft high. N of cor.

Land level and rolling
Soil, gravelly, 2nd & 3rd rate
No timber.

Undergrowth, greasewood
and scrub mesquite.

$S89^{\circ}53'E$ on S. Bdy. of sec. 34.
over rolling land

Resurvey of the 1st Standard Parallel
chains

39.68

I reestablish the old $\frac{1}{4}$ sec. cor. in its original place as follows. Set a Limestone $18 \times 8 \times 6$ ins. 12 ins. in the ground for standard $\frac{1}{4}$ sec. cor. marked S.C. $\frac{1}{4}$ S. 34 on N. face, dug pits $18 \times 8 \times 12$ ins. E and W. 3 ft dist. and raised a mound of earth $3\frac{1}{2}$ ft. base, $\frac{1}{2}$ ft. high N of cor.

55.90

Wood road, bears N Easterly

66.40

Wash 10 fts. wide, course N. Easterly

72.00

Wash 30 fts. wide, course N. Easterly

74.00

Wash 20 fts. wide, course N. Easterly

79.35

I reestablish the old ^{standard} sec. cor. in its original place as follows: Set a Limestone $18 \times 8 \times 7$ ins. 12 ins. in the ground for Standard cor. of secs. 34 and

South through Range 23 East, continued

35 marked SC, on N.
 with 2 grooves on E, and
 4 grooves on W. faces,
 from which
 a mesquite 3 ins. diam,
 bears N $13\frac{3}{4}^{\circ}$ E, 95 lks. dist.
 marked SC, T. 5 S, R. 23 E, S. 35.
 B.T.

A *Lesota* 6 ins. diam. bears
 N $68\frac{1}{4}^{\circ}$ W, 140 lks. dist. marked
 SC, T. 5 S, R. 23 E, S. 34, B.T.
 Land level

Soil, gravelly, 2nd & 3rd rate.
 Timber, a few scrub mesquite
 Undergrowth, mesquite, *Lesota*
 and greasewood.

S $89^{\circ}48'E$, on S. Body of sec 35.
 over level and broken land

Resurvey of the 1st Standard Parallel
chains

- 4.20 Wash 40 lks. wide, course N Easterly
12.80 Wood road bears NE and S. Westerly
14.00 Wash 100 lks. wide, course S Easterly
19.50 same wash 60 lks. wide course North-
westerly

39.53 I reestablish the old ^{standard} $\frac{1}{4}$ sec.
cor. at its original place
as follows: -

Get a limestone 18 x 8 x 5 ins
12 ins. in the ground for standard
 $\frac{1}{4}$ sec. cor. marked SC. $\frac{1}{4}$ S. 35
on N. face. dug pits 18 x 18 x 12
ins. E and W. of cor. 3 ft dist.
and raised a mound of earth
3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N. of cor.

- 50.50 Enter broken rough land
79.18 I reestablish the old sec. cor
at its original place as
follows: Get a sand stone

South, through Range 23 East, continued
chains

18x8x8 ins, 12 ins, in the
ground for standard cor.
of secs. 35 and 36, marked
SC. on N. with 1 groove on E
and 5 grooves on W. faces.
dug pits 24x18x12 ins.
crosswise on each line
E and W. 3 ft, and N of stone
7 ft dist, and raised a
mound of earth 4 ft base,
2 ft high, N of cor.
Land level and broken
Soil, gravelly, 2nd & 3rd rate
No timber.
Undergrowth, greasewood
and acotillo.

S89°50'E on S. Bdy. of sec. 36
over broken and level land

Resurvey of the 1st Standard Parallel
chains

- 6.50 Ridge bears, NW and SE easterly
12.00 Wash 6 lks, wide, course S. Easterly
37.90 Wash 10 lks, wide, course S Easterly
39.00 same wash 10 lks, wide, course N Easterly
39.67 I reestablish the old $\frac{1}{4}$ sec.
cor in its original place
as follows:

Set a Limestone $18 \times 10 \times 3$ ins
12 ins. in the ground for
standard $\frac{1}{4}$ sec. cor. marked
S.C. $\frac{1}{4}$ S. 36 on N. face. dug
pits $18 \times 18 \times 12$ ins. E. and W.
of stone 3 ft. dist. and raised
a mound of earth $3\frac{1}{2}$ ft.
base, $\frac{1}{2}$ ft high N. of cor.

- 53.87 I reestablish the old closing
cor. of Tp 6 S. R. 23 and 24 E.
in its original place as follows:
Set a granite stone $18 \times 8 \times 7$ ins.

South, through Range 23 East, continued
chains

12 ins. in the ground for
closing cor. of Tp. 5S, Rs. 23
and 24 E, marked C.C on
S, with 6 grooves on S. E.
and W. faces. dug pits
30 x 24 x 12 ins. E. and W. 4 ft
and S of stone 8 ft. dist and
raised a mound of earth
5 ft. base, 2 1/2 ft. high S.
of cor.

79.44 The standard cor. of Tp. 5S.
Rs. 23 and 24 E as heretofore
described.

Land level and broken
Soil, sandy and gravelly
1st 2nd and 3rd rate
No timber
Undergrowth, greasewood.

May 11, 1900.

U. S. Surveyor-General's Office,
Tucson, Arizona, Oct. 27, 1900.

The foregoing field notes of the sur-
vey of *Accuracy of the 1st*
Standard Through St 236
.....

of the G. & S. R. B. & M., Arizona, ex-
ecuted by

PHILIP CONTZEN, D.S.,

under his contract No. 53, dated June 1
17, 1899, having been critically exam-
ined, and the necessary corrections
and explanations made, the said field
notes and the surveys they describe
are hereby approved.

George Schriest

U. S. Surveyor-General.