

1302

No. 1302

BOOK 1302

Resurvey

BOOK 1302

4-671

BOOK 1302

FIELD NOTES
GENERAL LAND OFFICE.

4th Standard Parallel

North.

through

R's 12 + 13 East.

Field Notes.

of the resurvey of the

Fourth Standard Parallel North
through

Ranges 12th & 13 East.
of the

Gila and Salt River Basins & Meridian
in the

Territory of Arizona
as Surveyed by

Daniel Drummond

U. S. Deputy Sur.

Under his Contract No. 28.

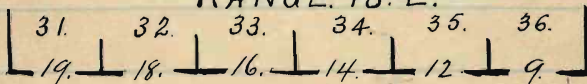
dated Feb'y 21. 1893.

Survey Commenced July 18. 1893

Survey Completed July 25. 1893.

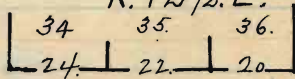
INDEX.

RANGE 13. E.



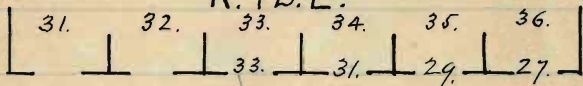
FOURTH STAND. PAR. N.

R. 12 1/2. E.



FOURTH STAND. PAR. N.

R. 12. E.



FOURTH. STAND. PAR. N.

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 Fourth Standard N.
 Through.

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Recovery of the Fourth Standard

I now proceed to the Standard Cor. to Secs. 31 & 36. Tps. 17. N. Rs. 13 & 14. E. where I found a Malpais Stone $10 \times 8 \times 4$ ins. lying on the ground. with 6 marks on two opposite sides. no other marks. whatever. I re-establish this Cor. by setting a Malpais Stone $22 \times 12 \times 10$ ins. 16 ins in the ground for Standard Cor. to Tps. 17 N. Rs. 13. & 14. E Marked S.C. with 6 notches on N. E + W faces. Whence a Cedar 26 ins. diam. bears $N 45^\circ E$ 472 lks. dist. marked S. 17. N. R 14. E. S 31. B. J. A Cedar 6 ins. diam bears.

Parallel. N. through Range 13 E

N 59° W 196 lks. dist marked
T. 17, N. R 13, E. S 36. B. J.

A Cedar 10 ins. diam. bears.

S 26½° W 118 lks. dist. marked
S. C. T. 17, N. R. S. 13 & 14, E. B. J.

July 18. 1893.

At the Standard Cor. to T. 17, N.
R. S. 13 & 14 E in Lat. 34° 49' 40" N
Long. 110° 54' W. I place my
transit over the Cor. and
observe Polaris at its eastern
Elongation at 11^h 30^m P.M. July
18. 1893. and find its Magnetic
bearing to be N 12° 14' W

N. end of needle 12° 14' E

Azimuth for Latitude 1° 32' E

The Sun. is the Va. 13° 46' E

I lay off the azimuth to the west, & draw a line on
the true Meridian. So determined 5 chs. N. of the Cor.

Resurvey of the Fourth Standard

At 7 A. M. July 19. 1893 I
 find the magnetic bearing of
 the line established last night
 to be $N 13^{\circ} 46' W$. The true Va.
 is therefore $13^{\circ} 46'$ East.

I made an observation with
 the solar apparatus and tested
 my transit on the true Meridian
 and found it correct, and in
 perfect adjustment. —

I find it necessary
 to retrace and resurvey the
 Fourth Standard Parallel ^N this
 Range. 12. X 13. E for the
 proper prosecution of my work
 in closing thereon.

From the Established ^{Stand.} Cor. to
 T. 17. N. R. 13 X 14 E. I run
 $S 85^{\circ} 43' W$ on a random line

Parallel N. through Range 13 East

chs.	Ya. $13^{\circ}46'E$
40.33	$\frac{1}{4}$ Sec. Cor. beans. $N4^{\circ}17'W$ 18 lks. dist
80.40	Sec. Cor. beans. $N4^{\circ}17'W$ 58 " "
20.38	$\frac{1}{4}$ Sec. Cor. beans. $N4^{\circ}17'W$ 106. " "
60.38	Sec. Cor. beans. $N4^{\circ}17'W$ 163 " "
00.38	$\frac{1}{4}$ Sec. Cor. beans. $N4^{\circ}17'W$ 246 " "
40.34	Sec. Cor. beans. $N4^{\circ}17'W$ 320 " "
80.30	$\frac{1}{4}$ Sec. Cor. beans. $N4^{\circ}17'W$ 452 " "
20.35	Sec. Cor. beans. $N4^{\circ}17'W$ 340. " "
60.35	No $\frac{1}{4}$ Sec. Cor. found
00.50	Sec. Cor. beans. $N4^{\circ}17'W$ 131. " "
40.50	$\frac{1}{4}$ Sec. Cor. beans. $S4^{\circ}17'E$ 110 " "
80.25	Sp. Cor. beans $S4^{\circ}17'E$ 392 " "
	which is a malpais stone
	10x8x5 ins. in mound of stone
	the marks on stone indistinguishable.
	A Pine 12 ins. diam. bears
	$N3\frac{1}{2}W$ 150 ks. dist. marks. not
	readable. No other witness trees.

BOOK 1302
Resurvey of the Fourth Standard

I reestablish this Cor. in its exact original position by setting a Malpais Stone $26 \times 13 \times 11$ ins. 17 ins. in the ground for Standard Cor. to Sp. 17. N. R. $12\frac{1}{2}$ 13. E. Marked S.C. with 6 Natches on N. E + W faces. Whence
 A Pine 14 ins. diam. bears
 N $69\frac{1}{2}^{\circ}$ E 217 lks. dist. marked
 T. 17. N. R. 13. E. A. 31 B. J.
 A Pine 8 ins. diam. bears
 N $17\frac{1}{4}^{\circ}$ W 205 lks. dist. marked
 T. 17. N. R. $12\frac{1}{2}$ E Sec. 36 B. J.
 A Cedar 6 ins. diam. bears
 S $49\frac{1}{4}^{\circ}$ W 282 lks. dist. marked
 S.C. T. 17. N. R. $12\frac{1}{2}$ 13 E B. J.

July 19. 1893.

Parallel N through Range 12½ E

chs.	I continue West. on Fourth Standard Parallel, N. on a random line. as follows. S 85° 43' W on a random line Va. 13° 46' E
40.00	¼ Sec. Cor. bears. S 6½° E 332 lks. dist
80.00	Sec. Cor. bears. S 6½° E 664. " "
	I place the transit over the Standard Cor. to Secs. 35 + 36. R. 12½ E. Thence I run. S 85° 43' W on a random line Va. 13° 46' E
40.00	¼ Sec. Cor. bears. S 6° E 361 lks. ^{dist} "
80.00	Sec. Cor. bears. S 6½° E 859. " "
	I now place the transit over the Standard Cor. to Secs. 34 + 35. Thence I run S 85° 43' W on a random line Va. 13° 46' E

Resurvey of the Fourth Standard

- | | |
|--------|--|
| 40.00 | 1/4 Sec. Cor. beans S $8^{\circ} \frac{1}{2}$ E 449 lks. |
| 80.20 | Old Sec. Cor. beans. S $6^{\circ} \frac{3}{4}$ W 11.33 chs. |
| | I now place my transit over the last. Cor. and continue S $85^{\circ} 43'$ W on a random line. Va. $13^{\circ} 46'$ E |
| 40.00 | 1/4 Sec. Cor. beans. S $4^{\circ} 17'$ E 597 lks. |
| 80.20 | Sec. Cor. beans. S. 9 lks. |
| 120.46 | 1/4 Sec. Cor. beans. S. 21 links |
| 160.43 | Sec. Cor. beans. N $4^{\circ} 17'$ W 264 lks. |
| | I now place my transit over the above last. mentioned Sec. Cor. Thence I run. S $85^{\circ} 43'$ W on a random line Va. $13^{\circ} 46'$ E |
| 40.00 | 1/4 Sec. Cor. beans. N $4^{\circ} 17'$ W 276 lks. |
| 80.00 | Sec. Cor. beans. N $3^{\circ} 45'$ W 554 " |
| | I place the transit over Sec Cor. Thence I run |

Parallel. N through Rs. 12 & 12½ E

- hs. S 85° 43' W on a random line
Va. 13° 46' E.
- 40.00 ¼ Sec. Cor. bears. S 17½° E 74 lks.
- 17.00 Closing Cor. to Tps. 16 N, Rs.
11 & 12 E. bears. N. 50 links.
This Cor. is improperly marked
No witness trees to Cor. I
reestablish the same, in its
original position, by setting
a Malpais Stone 18 x 15 x 8 ins.
13 ins. in the ground. for
Closing Cor. to Tps. 16 N Rs. 11 &
12 E. marked C.C. with 6 notches
on S.E. & W. faces. whence
A Pine 10 ins. diam. bears.
S 45½° E 135 lks. dist. marked
T. 16 N. R 12 E S. 6 B.S.
A Pine 6 ins. diam. bears.
S 24° W 183 lks. dist marked

Resurvey of the Fourth Standard

chs. T16 N. R. 11, E. S 1 B. S.

A Pine 5 ins. diam. bears.

N 79° W 78 lks. dist. marked

E. C. T_p 16 N R. 11 + 12 E. B. S.

$\frac{1}{4}$ Sec. Cor. bet. Secs. 1 + 6, T_p 16 N

R. 11 + 12 E bears S 234 lks. dist.

July 20. 1893

I now return to the
Standard Cor. to T_p 17. N.
R. 13 + 14. E. as recently re-
established by me.

Thence I run

S $85^{\circ} 58'$ W on a true line
on the S. boundary N_p 36.

Va. $13^{\circ} 46'$ E

ascend.

- 1.70 Bridge bears. N. + S. descend
17.20 Gulch. 10 lks. wide runs. N. W.

Parallel N. through Range 13, E,

chs.
40.33 Set a Malpais Stone 16x11x6 ins.
11 ins. in the ground. for Stand.
1/4 Sec. Cor. Marked S.C. 1/4 on N
face. Whence a Cedar 12 ins. diam.
beams. N16° W 165 lks. dist. Marked
S.C. 1/4 S. B. S. - A Cedar 7" diam
beams. S17° E 120 lks. dist. marked
S.C. 1/4 S. B. S. the old 1/4 Cor. is
a Stone with no marks. Small
Mound of Stones alongside. No.
Witness trees. I re established
the 1/4 Cor. in the original position
Thence I run S86°17' W on a
true line. also on the S. boundary
of Sec. 36.

Va. 13°46' E

2.50
39.27 Entire Galton Lund beams North to & South to
Trail beams NW 1/4 S. E.

40.07 original position of old Sec. Cor.
I re establish same by setting

Resurvey of the Fourth Standard

a Malpais Stone $18 \times 12 \times 3$ ins. 13 ins. in the ground. for. Standard Cor. to Secs. 35 & 36. marked S.C. on N. with 1 notch on E. & 5 notches on W faces. Whence a Cedar 6 ins. diam. bears. $N 13^\circ E$ 547 lks. dist. marked S. 17. N. R. 13. E. S. 36. B. S.

A Cedar 8 ins. diam. bears. $N 52^\circ W$ 317 lks. dist. marked S. 17. N. R. 13. E. S. 35. B. S. A Cedar 6 ins. diam. bears. $S 62^\circ E$ 92 lks. dist. marked S.C. S. 17. N. R. 13. E. S. 35 + 36 B. S.

old Standard improperly marked and no witness trees.

Land broken E. 42.5% ^{obs.} balance level
 Soil rocky + gravelly 3^d rate
 Timbre Scattering Cedar.

Parallel N. through Range. 13 East

- Ch. Thence I run $S 86^{\circ} 24' W$ on
 a true line on S. boundary Sec. 35,
 Va. $13^{\circ} 46' E$
- 40 Wagon Road to Winslow bears,
 Northwly & Southwly
 5.00 into Pipeon since timber
 24.60 Trail bears. N.E. & S.W.
- 28.20 Trail bears. N.E. & S.W.
- 39.98 Identical point. of $\frac{1}{4}$ Sec Cor.
 which I re establish by setting
 a Sandstone $18 \times 8 \times 5$ ins. 13 ins.
 in the ground for. Standard $\frac{1}{4}$
 Sec. Cor. marked S.C. $\frac{1}{4}$ on N
 face. whence ^{A Pine} 13 ins. diam. bears.
 $S 24^{\circ} \frac{1}{2} E$ 34 lks. dist. marked $\frac{1}{4}$
 S B.S. S.C. — A Pine 5 ins. diam.
 bears. $N 82^{\circ} \frac{1}{2} W$ 36 lks. dist. marked
 S.C. $\frac{1}{4}$ S. B.S. old $\frac{1}{4}$ Cor. Stone, undersize
 marked S.C. $\frac{1}{4}$
 Thence I run $S 86^{\circ} 32' W$ on a
 true line on S boundary Sec. 35.

Resurvey of the Fourth Standard

- chs. In line and Pinon timber
 5.90 Trail trans. N.E. & S.W.
 10.30 Leave Pinon Pine timber
 14.80 Trail trans. N.E. & S.W.
 40.00 Identical point of old Stand. Sec. Cor.
 which I re-establish by setting a
 Malpais Stone 16 x 11 x 4 ins. 11 ins.
 in the ground for Standard Sec.
 Cor. to Secs. 34 & 35 marked S.C.
 on N with 2 notches on E. and
 4 notches on W faces. and raised
 a mound of stone 1 1/2 ft high
 2 ft. base. alongside. Pits imprac-
 ticable. — old Cor. imprapably
 marked, no mound alongside.
 Land level,
 Soil, gravelly, 3^d rate.
 Timber, Pinon Pine 45,28 chains

Parallel. N. through Range 13 East

- chs Thence I run $S 86^{\circ} 55' W$ on a true line on the S. boundary of Sec. 34.
 Va. $13^{\circ} 46' E$
- 22.30 Trail trans. N.E. & S.W.
- 33.10 Trail trans. N.E. & S.W.
- 35.75 Trail trans. N.E. & S.W.
- 40.00 Identical point of old $\frac{1}{4}$ Sec. Cor
 Which I re-establish by setting a sandstone $16 \times 10 \times 8$ ins. 11 ins. in the ground for Standard $\frac{1}{4}$ Sec. Cor.
 Marked $\frac{1}{4}$ S.C. on N face. and raised a mound of stone $1\frac{1}{2}$ ft. high. 2 feet base alongside pits impracticable. Old $\frac{1}{4}$ Cor. Stone under size. Small mound stone alongside. -
- Thence I run $S 86^{\circ} 47' W$ on a true line on S boundary Sec. 34.
 Va. $13^{\circ} 46' E$.

Resurvey of the Fourth Standard

- chs.
 24.80 Wagon Road to Winslow brns. N.E. + S.W.
 26.10 Trail brns. N.W. + S.E.
 27.90 Trail brns. N.E. + S.W.
 39.96 Identical point of old Standard Sec. Cor.
 Which I re-establish by setting a
 Malpais Stone 16x11x5 ins. 11 ins. in
 the ground for Standard Cor. to
 Secs. 33 & 34. Marked S.C. on N. with
 3 notches on E. + W faces. Whence
 A Cedar 8 ins. diam. brns. N25°E.
 104 lks. dist. Marked T. 17. N. R
 13. E. S. 34. B. S. — A Cedar 9 in.
 diam. brns. N47°W 177 lks. dist.
 Marked T. 17. N. R. 13. E. S. 33 B. S.
 A Cedar 6 ins. diam brns. S53°W
 9 lks. dist. marked T. 17. N. R
 13. E. S. C. Secs. 33 + 34 B. S. —
 old Cor. Stone undu size Small
 mound Stone alongside. No bearing trees.

Parallel N. through Range 13 East

chs. Land level.

Soil. Sandy 3^d rate.

Timber. Scattering Cedar.

July 21. 1893.

Thence I run. S $87^{\circ} 36' W$ on a true
line on S. boundary Sec. 33.

27.10 In heavy Va. $93^{\circ} 46' E$. Cedar timber
Wagon road to Winston's beans. N E & S W.

39.95 Identical point of old $\frac{1}{4}$ Sec. Cor.
Which I re-establish by setting a
Malpais Stone $18 \times 15 \times 3$ ins. 13 ins.
in the ground for. Standard $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on N. face
Thence a Cedar 6 in diam. beans.
N $12^{\circ} E$ 303. lks. dist. marked
S.C. $\frac{1}{4}$ S.B.S. - A Cedar 7 ins. diam
beans. N $88^{\circ} E$ 297 lks. dist. marked
S.C. $\frac{1}{4}$ S.B.S. - old $\frac{1}{4}$ Sec. Cor. Stake

Resurvey of the Fourth Standard

- 2 in diam. marks obliterated No.
 ✓ mound or witness trees. - leaves timber
 Thence I run $S 84^{\circ} 7' W$ on a true
 line on S boundary Sec 33.
 Ya. $13^{\circ} 46' E$.
- 16.25 Trail bears. N.E. & S.W.
 22.50 Enter timber
 37.20 Trail bears. N.W. & S.E.
 40.20 Idical point of old Sec. Cor.
 which I re-establish by setting a
 Malpais Stone $20 \times 9 \times 4$ ins. 15 ins.
 in the ground. for. Standard Sec Cor.
 to Secs. 32 & 33. Marked S.C. on N. with
 4 notches on E and 2 notches on W
 faces. Whence a Cedar 12 ins. diam
 bears. $N 25^{\circ} \frac{3}{4} E$ 202 lks. dist. marked
 T. 17. N. R. 13. E. Sec. 33. 13. S. - A Pine
 6 ins. diam. bears. $N 75^{\circ} W$ 327 lks.
 dist. Marked T 17 N R 13 E. S 32 13. S.

Parallel N. through Range 13 East.

A cedar 14 ins. diam. trans. $S49^{\circ}E$

112 lks. dist. marked S. 17. N. R. 13. E.

S.C. S 32 & 33 B. J. —

old Sec Cor. Stake 2 in diam. No

marks Mound or Witness trees.

Land level.

Soil, sandy, 2^d rate.

Timber, Cedar + Pine 57.65 chs.

✓
Thence I run $S84^{\circ}13'W$ on a true
line on the S. boundary Sec 32.

To $13^{\circ}46'E$.

13.80 Trail trans. N. E. + S. W.

18.70 Trail trans. N. E. + S. W.

22.25 Trail trans. N. E. + S. W.

31.20 Trail trans. N. E. + S. W.

36.80 descend

38.10 Gulch 10 lks. wide flows N. as usual

Resurvey of the Fourth Standard

ch.

39.23

Ente mesa bears. N. & S.

40.00

Set a Malpais Stone 18x9x6 ins. 13.
ins. in the ground for Standard $\frac{1}{4}$
Sec. Cor. Marked $\frac{1}{4}$ S.C. on N face
Where a Cedar 7 ins. diam. bears.
N 47° W 53 lks. dist. marked S.C. $\frac{1}{4}$
S. B.S. - A Cedar 10 ins. diam bears
S 12° W 119 lks. dist. marked S.C. $\frac{1}{4}$ S.B.S.

After diligent search. I failed to
find any evidence of the locus
of the ^{old} Standard $\frac{1}{4}$ Sec. Cor.

41.13

descend. Right bank Jacks Cañon
bears. Northeastly & Southwestly

43.00

Ente bottom

43.70

bed of stream 40 lks wide runs N.E. ^{ascend}

46.85

Left bank Jacks. Cañon bears. N.E. & S.W.

50.00

Ente mesa bears. N.E. & S.W.

73.85

Trail bears. N.E. & S.W.

80.15

Identical point. of old Sec. Cor.

Parallel N through Ranges. 13 East.

Which I re-establish by setting
 a Malpais Stone 16x11x5. ins. 11 ins.
 in the ground for Standard Sec. Cor.
 to ^{Secs. 31 & 32.} Marked S.C. on N. with 5 notches on
 E. and 1 notch on W. faces. Whence
 Cedar 5 ins. diam. bears. N 39° E
 159 lks. dist. Marked S. 17. N. R
 13. E. S. 32 B.S. — A Cedar 5 ins
 diam. bears. N 75° W 21 lks. dist. marked
 S. 17. N. R. 13. E. S. 31 B.S. — A Pine
 6 ins. diam. bears. S 28° W 97 lks.
 dist. marked S. 17. N. R. 13. E. S.C.
 Secs. 31 & 32 B.S. — old sec. Cor.
 Small Stone improperly marked.
 Small mound of Stone alongside
 Land. railing.
 Soil. rocky & gravelly. 4th rate
 Timber. Cedar & Piñon. Scattering.

BOOK 1302
 Resurvey of the Fourth Standard

chs. Thence I run $S 82^{\circ} 15' W$ on a true
 line on the S boundary Sec. 31.
 Va $13^{\circ} 46' E$

6.10 Trail bears. N.E. & S.W.

32.40 Trail bears. N.E. & S.W.

40.00 Identical point of old $\frac{1}{4}$ Sec. Cor.
 which I re-establish by setting a
 Malpais stone
 $8 \times 11 \times 6$ ins. 13 ins. in the ground

for Standard $\frac{1}{4}$ Sec. Cor. marked

$\frac{1}{4}$ S.C. on N face. Whence a

Pine 18 ins. diam. bears. $S 41^{\circ} E$

17 lks. dist. Marked S.C. $\frac{1}{4}$ S B.S.

A Pine 9 ins. diam. bears. $N 8^{\circ} \frac{1}{2} W$

42 lks. dist. Marked S.C. $\frac{1}{4}$ S B.S.

Old $\frac{1}{4}$ Cor. is a malpais $6 \times 5 \times 4$ ins

marks. obliterated. No mound or

Witness trees -

Thence I run $S 81^{\circ} 39' W$ on a true
 line on the S boundary Sec. 31.

Parallel N. through Ranges, $12\frac{1}{2}$ 13. E. BOOK 1302

chs.	Va. $13^{\circ}46' E$
40.00	The Standard Cor. to Sp. 17. N. Rs. $12\frac{1}{2}$ 13. E. hereinafore described Land rolling. Sail, gravelly. 3 ^d rate. Timber. Cedar & Pinon. July 22. 1893.

From the Standard Cor. to
Sp. 17. N. Rs. $12\frac{1}{2}$ 13 E
I run $S 80^{\circ} 57' W$ on a true
line on S boundary Sec. 36.
Va. $13^{\circ} 46' E$.

35.00	leaves scattering Cedar.
40.00	Identical with old Stand. $\frac{1}{4}$ Cor. Which I re-establish by setting a Malpais Stone $20 \times 8 \times 6$ ins. 15. ins. in the ground for Stand.

Resurvey of the Fourth Standard

chs. $\frac{1}{4}$ Sec. Cor. marked S.C. $\frac{1}{4}$
 on N face, and raised a
 mound of Stone $1\frac{1}{2}$ ft. high
 2 ft. base, alongside. pits
 impracticable. —

Old $\frac{1}{4}$ Sec. Cor. Small Stone
 + Small mound of Stone,

45.60 Trail bears. N.E. + S.W.

80.00 Identical point of old Sec. Cor.

I re-establish same by setting
 a Malpais Stone $18 \times 13 \times 6$ ins
 13 ins. in the ground for.

Standard Sec Cor. to Secs. 35 + 36

Marked S.C. on N. with 1 notch
 on E and 2 notches on W.

faces, and raised a mound of
 Stone $1\frac{1}{2}$ ft. high. 2 ft. base
 alongside. pits impracticable
 Old Stand. Sec. Cor. was a

Parallel N through Range 12 1/2 East.

Malpais 10 x 7 x 6 ins. lying on the ground. marks worn.

No mound. alongside.

Land. nearly level.

Soil. gravelly. 3^d rate.

Timber. Scattering Cedar.

Thence I run $S 80^{\circ} 32' W$ on a true line on the S. boundary Sec. 35.

Va $13^{\circ} 46' E$

4.50 Trail bears N.E. & S.W.

1.75 Trail bears N.E. & S.W.

20.05 Identical point of old 1/4 Sec. Cor. which I re-establish by setting a Malpais Stone 18 x 10 x 3 ins. 13 ins. in the ground for. Standard 1/4 Sec. Cor. marked S.C. 1/4 on N face. and raised a mound of Stone 1 1/2 ft.

Resurvey of the Fourth Standard.

ch. high 2 ft. base, alongside
 pits impracticable.
 Old $\frac{1}{4}$ Cor. Small Stone + marks nearly
 obliterated. No mound alongside
 Thence I run $S 78^{\circ} 34' W$ on a true
 line on S boundary Sec. 35.
 Va. $13^{\circ} 46' E$

11.50 Enter Cedars.

23.50 Leave Cedars

40.10 Identical point. of old Sec. Cor.
 Which I re-establish by setting a
 Malpais Stone $18 \times 12 \times 5$ ins. 18 lbs.
 in the ground. for Standard Cor. to
 Secs. 34 & 35. marked with 2
 notches on E. and 1 notch on W.
 faces. and raised a mound of
 Stone $1\frac{1}{2}$ ft. high. 2 ft. base
 alongside. pits impracticable
 Old Sec. Cor. Small Stone. Marks

Parallel N. through Range 12 1/2 East

Nearly indistinguishable, with
Small mound of Stone alongside.

Land. Nearly level.

Soil. gravelly. 3^d rate.

Timber. Scattering Cedar.

Timber 12.00 chains.

Thence I run S 79° 16' W on a true
or S boundary of Sec. 34.

Na. 13° 46' E.

14.55 Trail bears N.E. + S.W.

39.93 Identical point of old Stand 1/4 Cor.
Which I reestablish by setting a
Malpais Stone 22 x 13 x 8 ins. 16 ins.
in the ground for. Standard 1/4 Sec. Cor.
marked S.C. 1/4 on N. face. dug
pits 18 x 18 x 12 ins E + W of Stone
5 1/2 ft. dist. and raised a mound

Resurvey of the Fourth Standard

of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base, alongside.

old $\frac{1}{4}$ Cor. Stone Very Small. No
Mound of any kind.

Thence I run. $S 76^{\circ} 51' W$ on a
true line on Δ boundary Sec. 34.
Va $13^{\circ} 46' E$.

24.00 Enter Cedar

28.00 Leave Cedar

30.80 Trail brans. N.E. & S.W.

37.50 Enter Cedar

43.20 Identical point of old Cor.

Which I reestablish by setting a
Malpais Stone $30 \times 24 \times 5$ ins. 22 ins
in the ground for Standard Cor
to Sp. 17. N. R 12 $\frac{1}{2}$ fractional R
 $12\frac{1}{2}$ E. Marked S.C. with 6 notches
on N. and 3 notches on E face,
and raised a mound of Stone

Parallel N. through Range 12 1/2 East

2 1/2 ft. high 5 ft base. alongside
 A Malpais Stone 15 x 8 x 4 ins. on
 the surface of the ground. with no.
 marks. bears. N 80° E 3/4 lk. dist
 I set another malpais 21 x 13 x 4
 ins. 16 ins. in the ground adjoining
 the Cor. just established on the West.
 for Standard Cor. to Sp. 17. N. R. 12 1/2
 12 1/2 E marked S.C. with 6 notches on
 N. and 6 notches on W faces.

Pits impracticable.

Land. rallying.

Sail, gravelly. 3^d rate.

✓ Timber, Cedar. ~~49.60~~ 9.70 chains.

July 24, 1893.

Resurvey of the Fourth Standard

chs. Thence I run $S77^{\circ}13'W$ on a true
 line on the S. boundary Sec. 36,
 Va. $13^{\circ}46'E$

3.20 Trail bears N.E. + S.W.

21.50 Enter Cedar & Piñon timber

40.44 Identical point of old $\frac{1}{4}$ sec. Cor.
 which I reestablish by setting a
 sandstone $18 \times 11 \times 4$ ins. 13 ins. in
 the ground for Standard $\frac{1}{4}$ Sec. Cor.
 marked S.C. $\frac{1}{4}$ on N face. Whence
 A Pine 14 ins. diam. bears $N31^{\circ}W$
 10 lks. dist. marked S.C. $\frac{1}{4}$ D.B.S.
 A Pine 6 ins. diam. bears $S21^{\circ}W$
 72 lks. dist. marked S.C. $\frac{1}{4}$ D.B.S.
 Old $\frac{1}{4}$ Cor. was a Malpais Stone
 $8 \times 5 \times 2$ ins. on the surface, no.
 bearing trees marked.

Thence I run $N86^{\circ}0'W$ on a true
 line on S boundary Sec. 36.

Parallel N through Range 12. E.

- chs. Va 13°46'E P
 In Cedars and Pinon
 37.40 Trail trans. N. E. & S. W.
 40.62 Identical point of old Sec. Cor.
 Which I reestablish by setting
 a malpais 16 x 9 x 8 ins. 11 ins in
 the ground for. Standard Cor. to
 Secs. 35 & 36. marked S.C. on N.
 with 1 notch on E. & 5 notches
 on W faces. and raised a mound
 of stone 1 1/2 ft. high. 2 ft. base
 alongside. Pits impracticable
 The old Sec. Cor. was plainly
 marked. 1 notch on E. & 5 notches on
 W faces. a malpais stone undersized
 Land. railing.
 Soil. gravelly 3rd rate.
 Timber. Pinon & Cedars. 59.56 chs.
-

Resurvey of the Fourth Standard

Thru Iron. $S 85^{\circ} 33' W$ on a true
line on the S. boundary Sec. 35.
Va $13^{\circ} 46' E$

- .50 Leave timber
- 12.65 Wagon Road from Camp Verde to
Winslow bears N. easterly & S. westerly
- 13.50 Enter timber Pinon.
- 40.26 Identical point of old $\frac{1}{4}$ Cor
Which I reestablish by setting
a Malpais Stone $30 \times 18 \times 16$ ins. I
set same in a mound of Stone
2 ft high 5 ft. base. (rock preventing
setting in ground), for Standard $\frac{1}{4}$ Sec.
Cor. Marked $S.C. \frac{1}{4}$ on N face. whence
A Pine 18 ins. diam. bears $N 5^{\circ} W$
33 lks. dist. marked S.C. $\frac{1}{4}$ S. B.S.
A Pine 5. ins. diam. bears $S 61^{\circ} E$
29 lks. dist. marked S.C. $\frac{1}{4}$ S. B.S.
No marks on old $\frac{1}{4}$ Cor. No Witness trees.

Parallel N through Range 12.E.

Thence I run S 89°48'W on a true line on S boundary Sec. 35.

2.60 In heavy Cedars and Pines
Trail bears. N.E. & S.W.

37.40 descend

38.60 Gulch 10 lks. wide runs N.E. ascend

40.07 Identical point, of old Sec. Cor.

Which I reestablish by setting
a Malpais Stone 16x10x4 ins. in
a mound of Stone (rock preventing
sinking) for Standard Cor. to Secs.
34 & 35. Marked S.C. on N. with
2 notches on E. and 4 notches
on W. faces. - thence

A Cedar 8 ins. diam. bears. N 16° E
58 lks. dist. marked S. 17. N. R. 12. E.

S. 35. B. 4. - A Pine 7 ins. diam.
bears. N 48° W 273 lks. dist. marked
S. 17. N. R. 12. E. S. 34. B. 4.

Reurvey of the Fourth Standard

A Pine 6 ins. diam. bears.

S 52° W 68 lks. dist. marked

T. 17. N. R. 12. E. S. C. Sec. 34 & 35 B. 1.

old Sec. Cor. Stone in a mound of
stone. No bearing trees.

Land. calling.

Soil. gravelly & stony. 3^d rate.

Timber. Pinon & Cedar 66.83 chs.

Thence I run S 89° 41' W on a
true line on S boundary Sec. 34

by Va. 13° 46' ^(P)
by Cedar and Pinon

12.00 Leave Cedar & Pinon.

32.50 Enter Cedar & Pinon.

34.50 Leave Cedar & Pinon.

40.07 Identical point. of old $\frac{1}{4}$ Cor.
Which I re-establish by setting a
Malpais Stone 17 x 11 x 5. ins. 12.

Parallel N. through Range 12. E.

ins. in the ground for. Standard
 1/4 Sec. Cor. marked 1/4 S.C. on N face
 Whence a Cedar 8 in diam. bears.
 N 8 1/4 E 373 lks dist. marked
 S.C. 1/4 S B.T. — A Cedar 6 in.
 diam. bears. S 2 1/4 E 344 lks.
 dist. marked S.C. 1/4 S B.T.
 old 1/4 Cor. a Malpais Stone. No
 marks. Visible. No mound or.
 Witness trees.

55.20 Trail. bears. N.E. + S.W.

80.14 Identical point. of old Sec. Cor.
 Which I reestablish by setting
 a Malpais Stone 16x10x6 ins.
 11 ins. in the ground for. Standard
 Cor. to Secs. 33 & 34. marked
 S.C. on N. with 3 notches on
 E + W faces. Whence A Cedar
 5 ins. diam. bears. N 43° E 90.

Resurvey of the Fourth Standard

chs.

lks. dist. marked S. 17, N. R. 12
E. S. 34 B. T. A Pine 8 ins.

diam. bears. N. 50° W 278 lks
dist. marked S. 17, N. R. 12 E. S. 33 B. T.
A Pine 5 ins. diam. bears.

S. 36 $\frac{1}{2}$ E 152 lks. dist. marked
S. 17, N. R. 12, E. S. C. S. 33 + 34 B. T.

Old Sec Cor. Small stones in
mound of stone no marks,
or witness trees, —

Land, rolling,

Soil, gravelly, 3^d rate,

Timber, Pinon + Cedar 14.00 chs.

Thence I run. S 84° 46' W on a
true line on S. boundary Sec. 33.

Va. 13° 46' E.

10 Trail bears. N, E, & S. W.

Parallel N. through Range 12 E.

- chs.
39.84 Identical point of $\frac{1}{4}$ Sec. Cor.
Which I re-establish by setting a
Malpais Stone 16 x 11 x 4 ins. 11
ins. in the ground for Standard
 $\frac{1}{4}$ Sec. Cor. marked S.C. $\frac{1}{4}$ on N
face. Whence A Pine 6 in diam
beans. N16°E 142 lks. dist.
marked S.C. $\frac{1}{4}$ S. B.S. —
A Pine 5 ins. diam. beans.
S17°W 134 lks. dist. marked
S.C. $\frac{1}{4}$ S. B.S. —
old $\frac{1}{4}$ Sec Cor. has no marks,
mound or witness trees. —
I hence I run N84°36'W on a
tree diam on S boundary S°33'.
Va. 13°46'E.
- 1.50 Trail beans. S.E. & N.W.
7.23 the Closing Cor. to Sp. 16 N
R.S. 11 & 12 E. hereinbefore described
July. 25, 1893.

3 miles, 52 chains, and 41
links run through dense
cedar and Piñon brush.

Daniel Drummond
U.S. Deputy Surveyor.