

E. BDY - T. O. S. R22E
E + S BDY T O S R23E

CONTRACT 53
P. CONTZEN
DEP. SUR

Resurvey

BOOK 1601

1601

4-671

1601

FIELD NOTES
GENERAL LAND OFFICE.

1601

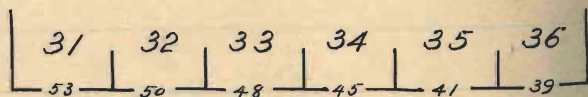
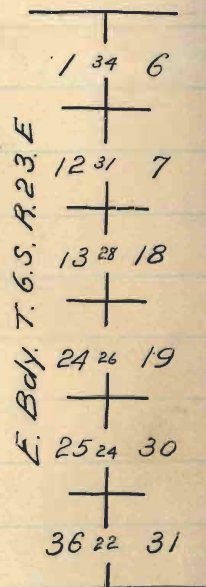
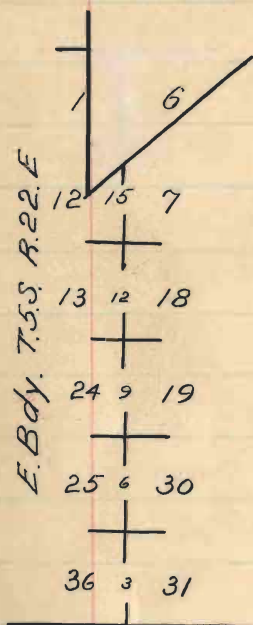
1601

BOOK 1601

Field Notes
of the resurvey of the
East Boundary of T. 5 S. R. 22 E.
East Boundary of T. 6 S. R. 23 E and
South Boundary of T. 6 S. R. 23 E
of the
Gila and Salt River Base and Meridian
in the
Territory of Arizona
as surveyed by
Philip Couitzen
U. S. Deputy Surveyor
under his Contract No 53
Dated June 17, 1899.

Survey commenced March 30, 1900.
Survey completed May 14, 1900.

INDEX
BOOK 1601



S. Bdy. T. 6. S. R. 23. E.

BOOK 1601

Judey

Resurvey of the E. Bdy. of
chains March, 30, 1900.

Before commencing the
survey of W. and N. boundaries
and subdivision of this
township, I proceed to test
chaining and alignment of
the E. Boundary.

Commence at S. C. to Tps.
5. S. Ranges 22 and 23 E. as
heretofore described

Thence I run

North on blank line

- | | |
|--------|---|
| 39.24 | Old $\frac{1}{4}$ sec. cor. bears 77 lks. W. |
| 78.06 | Remains of old sec. cor. bears 77 lks. W. |
| 118.00 | Old $\frac{1}{4}$ sec. cor. pt. bears 90 lks. W. |
| 158.92 | Original cor. pt. bears 90 lks. W. |
| 197.48 | Old $\frac{1}{4}$ sec. cor. bears 109 lks. W. |
| 237.34 | Old sec. cor. pt. bears 129 lks. W. |
| 277.14 | Old $\frac{1}{4}$ sec. cor. pt. bears 153 lks. W. |
| 316.92 | Old sec. cor. bears 179 lks. W. |

T 5. S. R 22 E.

chains

356.68 old $\frac{1}{4}$ sec. cor. bears 190 lks. N.
 370.50 Mound of stone on S. line
 of Camp Goodwin Military
 Reservation ("abandoned") and
 on Tp. line, bears, 194 lks. W.
 Finding this line out
 in chaining and alignment
 therefore I report to the
 Surveyor General and ask
 for authority of the resurvey
 of the E. Boundary. The Hon.
 Commissioner having approved
 authority by telegram
 May 8, 1900. I proceed to
 reestablish said line.
 I commence again at
 S. C. to Tps. 5. S. Rs. 22 and
 23 E as heretofore described
 Thence I run

out

Resurvey of the E. Bdy. of
chains

May 10, 1900, at 8.30 am, amt.
I set off $32^{\circ}56'$ on the east. arc;
 $17^{\circ}52'N$ on the decl. arc; and
determine a true meridian
with the solar, at the S.C. of
T. 5 S. R. 22 and 23 E.

Thence I run

$N 1^{\circ}05'W$, bet. secs. 31 and 36.

8.06 Draw 100 lks. wide, course N. Easterly

27.76 Wash 10 lks. wide, course N. Easterly

39.24 Set a Granite Stone $18 \times 7 \times 6$ ins.

12 ins. in the ground for $\frac{1}{4}$

sec. cor. ^{in its original place} marked $\frac{1}{4}$ S. 31 on

E. face, from which a
mesquite 5 ins. diam. bears

$S 38\frac{1}{2}^{\circ} E$, $26\frac{1}{2}$ lks. dist. marked

$\frac{1}{4}$ S. 31. B.T. no other tree

within limits, dug pits

$18 \times 18 \times 12$ ins. N and S, 3 ft dist.

T. 5. S. R 22 E. continued

chains

and raised a mound of stone
 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. E. of cor.
 Thence North

4000 Set a Granite Stone $18 \times 8 \times 6$ ins.
 12 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ S. 36. on W.
 face, from which a
 mesquite 12 ins. diam. bears
 $N 36^\circ W$. 231 lks. dist. marked
 $\frac{1}{4}$ S. 36. B.T.
 a mesquite 4 ins. diam. bears
 $S 48\frac{1}{4}^\circ W$. 83 lks. dist. marked
 $\frac{1}{4}$ S. 36. B.T.

78,06 Set a Granite Stone $18 \times 6 \times 3$ ins.
 12 ins. in the ground for cor.
 of secs. 30 and 31, ^{in its original place.} marked
 with 5 notches on N and 1 notch
 on S. edges, from which
 a mesquite 7 ins. diam.

Resurvey of the E. Bdy. of
chains

bears, $N 86\frac{1}{4}^{\circ} E$, 268 lks. dist.

marked T 5 S, R 23 E, S. 30, B.T.

a mesquite 10 ins. diam. bears

$S 50^{\circ} E$, $201\frac{1}{2}$ lks. dist. marked

T 5 S, R 23 E, S. 31, B.T.

80.00 Set a granite stone $18 \times 8 \times 6$ ins

12 ins. in the ground for cor.

of secs 25 and 36, marked

with 5 notches on N. and

1 notch on S. edges. dug

pits, $24 \times 24 \times 12$ ins. in each

sec. 6 ft. dist. and raised

a mound of earth 4 ft. base

2 ft high, W. of cor.

Land level

Soil, sandy, 1st and 2nd rate

Timber, a few mesquites

Undergrowth, greasewood

mesquite & cholla.

T. S. R 22 E, continued

chains.

N⁰°05'W. bet. secs. 25 and 30

14.15 Road to Pina, bears E and W.

34.70 descend from mesa

36.70 Enter Valley bears E;

wash 10 lks. wide, course Easterly
and enter dense undergrowth38.00 I reestablish the old $\frac{1}{4}$ sec. cor.
in its original place as
follows.

Set a sand stone 18x8x6 ins.
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ S. 30 on E face
from which a mesquite 6 ins.
diam. bears S 86 $\frac{3}{4}$ ° E, 72 lks.
dist. marked $\frac{1}{4}$ S. 30. B.T.

a Tezota 5 ins. diam. bears
S 35 $\frac{1}{4}$ ° E, 28 lks. dist. marked
 $\frac{1}{4}$ S. 30. B.T.

39.00 Set a sandstone 18x7x7 ins.

Resurvey of the E. Bdy. of
chains

12 ins. in the ground for witness
cor. to $\frac{1}{4}$ sec. cor. marked
W.C. $\frac{1}{4}$ S. 25. on N. face,
from which a Gans 7 ins. diam
bears, N 80° W, 20 lks. dist.
marked W.C. $\frac{1}{4}$ S. 25. B.T.
A Tesolā 10 ins. diam. bears
S 37 $\frac{1}{2}$ ° W, 125-lks. dist. marked
W.C. $\frac{1}{4}$ S. 25. B.T.

- 40.00 The point for $\frac{1}{4}$ sec. cor. falls in
Wash 40 lks. wide, course Easterly
- 54.55 Wash 20 lks. wide, course Easterly
- 77.35 Wash 10 lks. wide, course Easterly
leave dense undergrowth
- 77.65 I reestablish the old sec. cor.
in its original place as follows.
Get a Granite stone 18x8x7 ins.
12 ins. in the ground for cor. of
secs. 19 and 30. marked with

T5 S, R22 E, continued

chains

2 notches on S and 4 notches on N. Edges, dug pits $24 \times 24 \times 12$ ins. in each sec. 6 ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high E. of cor. Thence $N 0^{\circ} 17' W$.

78.92 Road from Openazuma to Ft Thomas bears Easterly.

80.00 Set a Granite Stone, $18 \times 12 \times 7$ ins. 12 ins. in the ground for cor of secs. 24 and 25, marked with 2 notches on S, and 4 notches on N edges, from which a mesquite 10 ins. diam. bears, $N 50\frac{1}{2}^{\circ} W$, 79 lks. dist. marked T5S, R22E, S. 24, B.T. a mesquite 30 ins. diam. bears $S 31\frac{3}{4}^{\circ} W$, 308 lks. dist. marked T5S, R22E, S 25, B.T.

19
 Resurvey of the E. Bdy. of
 chains

Land level

Soil, sandy and gravelly, 1st & 2nd rate

Timber, Mesquite, Tesota and

Jano.

Undergrowth, Tesota and
mesquite.

Dense undergrowth 40.65 chs.

N. $0^{\circ}17'W$. bet. 19 and 24.
ascend

- 5.00 Top of mesa, bears E and W.
- 27.20 Wash 10 lks. wide, course Easterly
- 34.60 Wash 20 lks. wide, course N. Easterly
- 36.40 Wash 20 lks. wide, course N. Westerly
- 37.48 I reestablish the old $\frac{1}{4}$ sec. cor.
in its original place as follows.
Set a Granite stone $18 \times 12 \times 6$ ins.
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ S. 19 on E face.

chains T 5-S. R 22 E, continued.

from which a mesquite
3 ins. diam. bears, $S 59^{\circ} E$
99 $\frac{1}{2}$ lks. dist. marked $\frac{1}{4}$
S. 19. B.T.

A mesquite 3 ins. diam. bears
 $S 52\frac{1}{2}^{\circ} W$, 117 lks. dist. marked
 $\frac{1}{4}$ S 19. B.T.

40.00 Put a sand stone $18 \times 8 \times 7$ ins.
12 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ S. 24, on
W. face, from which
a Tesotā 4 ins. diam bears
 $S 50^{\circ} W$, 196 lks. dist. marked
 $\frac{1}{4}$ S. 24, B.T. a Tesotā 4 ins.
diam. bears $N 53\frac{3}{4}^{\circ} W$ 154
lks. dist. marked $\frac{1}{4}$ S. 24, B.T.

41.80 Wash 20 lks. wide, course N Easterly

50.30 Wash 20 lks. wide, course, S Easterly

77.34 I reestablish the old sec. cor.

Resurvey of the E. Bdy. of
chains

as follows: Set a Granite
stone $18 \times 10 \times 7$ ins. 12 ins
in the ground for cor. of
secs. 18 and 19, marked
with 3 notches on N and S
edges, dug pit $24 \times 24 \times 12$
ins in each sec. 6 ft diam
and raised a mound of
earth 4 ft. base 2 ft high E
of cor.

80.00 Set a Granite stone $18 \times 12 \times 8$
ins. 12 ins. in the ground
for cor. of secs. 13 and 24
marked with 3 notches on
N and S edges, from which
a mesquite 6 ins. diam.
bears $S 40^\circ W$. 290 lbs dist.
marked T 5 S, R. 22 E, S. 24, B. T.
a mesquite 12 ins. diam.

T5S, R22E, continued

chains

bears $N82\frac{1}{4}^{\circ}W$, 198 lks, dist.
 marked T5S, R22E, S, 13, B.T.
 Land level and rolling
 Soil gravelly, 2nd rate
 Timber, scrub mesquite
 Undergrowth, scrub mesquite
 and Tesota

$N0^{\circ}21'W$, bet. secs. 13 and 18

9.10 Wash 10 lks, wide, course N Easterly

17.60 Wash 10 lks, wide, course Easterly

37.17 I reestablish the old $\frac{1}{4}$ sec.
 cor. as follows;

Set a sand stone $18 \times 8 \times 7$ ins,
 12 ins. in the ground for $\frac{1}{4}$

sec. cor. marked $\frac{1}{4}$ S. 18, on
 E. face, from which a mesquite
 3 ins. diam. bears $N46\frac{1}{2}^{\circ}E$
 108 $\frac{1}{2}$ lks, dist. marked

Resurvey of the E. Bdy. of
chains

- $\frac{1}{4}$ S. 18. B.T. a mesquite 3 ins diam. bears $S41\frac{3}{4}^{\circ}E$. 85 lks. dist. marked $\frac{1}{4}$ S. 18. B.T.
- 40.00 Det a granite stone $18 \times 10 \times 8$ ins 12 ins. in the ground for $\frac{1}{4}$ sec. cor marked $\frac{1}{4}$ S. 13. on W. face from which, a mesquite 8 ins. diam. bears $N5\frac{1}{2}^{\circ}W$. 148 lks. dist. marked $\frac{1}{4}$ S. 13. B.T.
- a mesquite 8 ins. diam. bears $N84\frac{1}{4}^{\circ}W$. 144 lks. dist. marked $\frac{1}{4}$ S. 13. B.T.
- 40.10 Trail from Ft Thomas to aravaipa bears NE and SW.
- 41.40 Wash 10 lks. wide, course N Easterly
- 44.70 same wash 10 lks. wide, course N Westerly
- 47.95 same wash, 10 lks. wide, course N. Easterly
- 64.00 Descend
- 70.00 Enter Canon 10 lks. wide, course N. N. E

T5S, R22E, continued.

chains

76.92

I reestablish the old sec. cor. at its original place, as follows: Put a granite stone 18 x 7 x 6 ins. 12 ins. in the ground for cor. of secs. 7 and 18, marked with 4 notches on S, and 2 notches on N edges, and raised a mound of stone 2½ ft base 1½ ft. high E. of cor. ~~Pits impracticable~~

80.00

Put a granite stone 18 x 10 x 8 ins. 12 ins. in the ground for cor. of secs. 12 and 13, marked with 2 notches on N and 4 notches on S, edges, from which a mesquite 18 ins. diam., bears N 40° W, 188 lks. dist., marked T5S, R22E, S. 12, B.T. no other tree within limits, raised a mound of stone

Resurvey of the E. Bdy. of

chains

2½ ft base, 1½ ft high, W. of cor.
Pits impracticable.

Land level and rolling
Soil, gravelly, 2nd & 3rd rate
Timber, some scattering scrub
mesquite.

Undergrowth, grease wood
scrub mesquite, ocotillo &
Palo Verde.

N 0° 10' W, bet. secs. 7, and 12

1.00 Enter Valley

33.15 Wash 30 fms. wide, course Easterly

34.00 ascend mesa, bears 21 W & SE

36.68 I reestablish the original
¼ sec. cor. in its original
place as follows:-

Set a sand stone 30 x 10 x 7 ins.
24 ins. in the ground for ¼ sec.

T5S, R22E, continued

chains

cor. marked $\frac{1}{4}$ S. 7. on E. face.
raise a mound of stone
2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft high E of
cor. Pits impracticable.

40.00 Set a granite stone 18 x 10 x 6 ins.
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ S. 12. on W. face,
from which a mesquite 10 ins.
diam. bears S 26 $\frac{3}{4}$ ° W, 490 lks.
dist. marked $\frac{1}{4}$ S. 12, 13, T.
no other tree within limits.
raised a mound of stone
2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.

40.80 Top of mesa

50.50 Set a granite stone 18 x 12 x 6 ins.
12 ins. in the ground for closing
cor. of secs. 7 and 12 marked
C.G.M.R. on N face, C.C. on S.

Resurvey of the E. Bdy. of T5S. R22E.
chains.

face. (no marks on ^{any} stone
therefore I mark same) and
raise a mound of stone
2½ ft base, 1½ ft high S. of
cor. Pits impracticable.

Land level, rolling & broken
Soil,

Timber, scrub mesquite
undergrowth, grease wood
and scrub mesquite.

May 10. 1900.

Philip Contzen
U. S. Dep. Surveyor

Resurvey of the E. Bdy. of
chains

April 18, 1900. For the purpose of testing the chaining and alignment of the E. Bdy. of T6S. R. 23 E. I commence at the cor. of Tps 6 and 7 S. Rs. 23 and 24 E. which is a decayed post lying on the ground, I destroy the same and reestablish it in the original place as follows:
 Set a Granite stone 18x8x8 ins. 12 ins. in the ground for the cor. of Tps. 6 and 7 S. Ranges 23 and 24 East, marked with 6 notches on each edge;
 redug pits 24x24x12 ins., on each line N. E. and W. 4 ft and S of stone 8 ft dist. and raised a mound of earth 5 ft. base 2½ ft. high, S of cor. The NE cor. of Bear Springs House bears $S 0^{\circ} 20' E$.

T65. Range 23. East
chains.

Thence I run N on a blank line

- 40.00 Faint remains of old $\frac{1}{4}$ sec. cor.
bears 6 lks. E.
- 80.00 Faint remains of old sec. cor.
bears 11 $\frac{1}{2}$ lks. E.
- 119.73 Faint remains of old $\frac{1}{4}$ sec. cor. bears
19 lks. E.
- 159.46 Cor. point of old sec. cor. bears 24 $\frac{1}{2}$
lks. E.
- 199.09 Faint remains of old $\frac{1}{4}$ sec. cor.
bears 31 lks. E.
- 237.92 Faint remains of old sec. cor.
bears 35 lks. E.
- 278.24 Faint remains of old $\frac{1}{4}$ sec. cor.
bears 43 lks. E.
- 318.14 Faint remains of old sec. cor
bears 49 lks. E.
- 357.81 Remains of old $\frac{1}{4}$ sec. cor. bears
54 lks. E.

Resurvey of the E. Bdy. of

chains

397.24 old sec. cor. bears 60 lks. E

436.82 remains of old $\frac{1}{4}$ sec cor
bears $66\frac{1}{2}$ lks. E.

476.44 The closing cor. of Tps. 6 S. R. 23 and 24 E. bears 7 lks. E. Finding this line out in chaining and alignment therefore report to the surveyor General and ask for authority of the resurvey of the E. Bdy. The Honourable Commissioner having approved authority by telegram May 8, 1900 I proceed to reestablish said line.

I therefore begin again at cor. of Tps. 6 S. R. 23 and 24 E. as heretofore described.

May 12th 1900. at 8 am. l.m.t.
I set off. $32^{\circ}50'$ on the lat. arc;

T. 6 S. R. 23 E. continued

chains

18° 17' n on the decl. arc; and determine a true meridian with the solar at the cor. to Tps. 6 and 7 S. R. 23 and 24 E. as heretofore described.

Thence I run

N 0° 05' E. bet. secs. 31 and 36

1.75 Road to Bear Springs bears NE & SW.

25.50 Enter broken land :

30.00 Leave " "

40.00 I reestablish the old $\frac{1}{4}$ sec. cor. in its original place as follows:

Set a Granite stone 18x8x7 ins.

12 ins. in the ground for $\frac{1}{4}$ sec.

cor. marked $\frac{1}{4}$ S. 36 on W. face

31 on E. face. from which

a mesquite 12 ins diam. bears

N 59 $\frac{1}{2}$ ° W. 507 lks. dist. marked

$\frac{1}{4}$ S. 36. B.T. no other tree within

Resurvey of the E. Bdy. of
chains

limits, dug pits $18 \times 18 \times 12$ ins
N and S, 3 ft. dist. and raised
a mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high, N. of cor.

80.00 I reestablish the old sec. cor.
in its original place as follows:

Set a granite stone $18 \times 8 \times 6$ ins.
12 ins. in the ground for cor. of
secs. 25, 30, 31 and 36, marked
with 1 notch on S. and 5 notches
on N. edges, dug pits $18 \times 18 \times 12$
ins. in each sec. $5\frac{1}{2}$ ft. dist.
and raised a mound of earth
4 ft. base, 2 ft. high, W. of cor.

Land level

Soil, gravelly 1st + 2nd rate

No timber

Undergrowth, greasewood.

T. 6 S. R. 23 E. continued

chains

N 0° 05' E, bet. secs. 25 and 30
over level land

39.73

Reestablish the old $\frac{1}{4}$ sec. cor.
in its original place as follows:
Set a granite stone 18x8x8 ins
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ S. 30 on E. face
dug pits 18x18x12 ins. N and S.
3 ft. dist. and raised a mound
of earth 3 $\frac{1}{2}$ ft. base, $\frac{1}{2}$ ft. high
E. of cor.

40.00

Set a granite stone 18x8x7 ins.
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ S. 25 on W. face
dug pits 18x18x12 ins. N and S
of cor. 3 ft. dist. and raised a
mound of earth 3 $\frac{1}{2}$ ft. base,
 $\frac{1}{2}$ ft. high, W. of cor.

66.71

Wash 100 lbs. wide course $\frac{1}{2}$ Easterly

Resurvey of the E. Bdy. of

chains

70.36 Wash 300ks wide, course N Easterly

79.46 Reestablish the old sec. cor.
in its original place as follows:

Set a Granite stone 18x8x6 ins.
12 ins. in the ground for cor. of
secs. 19 and 30 marked with
2 notches on S. and 4 notches on N
edges, from which the old bearing
tree, a mesquite ins. diam,
bears N E lks. dist. marked

T. 6 S. R. 24 E. S. 19. B. T.

A mesquite 14 ins. diam, bears
S 63° E, 316 lks. dist. marked

T. 6 S. R. 24 E. S. 30. B. T.

80.00 Set a Granite Stone, 18x8x6 ins.
12 ins. in the ground for cor.
of secs. 24 and 25. marked
with 2 notches on S. and 4 notches
on N. edges. dug pits 24x24x12 ins.

T. 6. S. R. 23 E. continued

chains

in each sec. 6 ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land level

Soil, sandy, 1st & 2nd rate
 Timber, a few mesquite
 Undergrowth, greasewood.

N 0° 05' E bet. sec. 19 and 24
 over level land

39.09

I reestablish the old $\frac{1}{4}$ sec. cor. in its original place as follows:
 Set a Granite stone 18x18x7 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 19 on E. face, dug pits 18x18x12 ins. N and S. of cor. 3 ft. dist. and raised a mound of earth. 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high, E. of cor.

Resurvey of the E. Bdy. of

chains

40.00

Set a Granite stone $18 \times 8 \times 7$ ins.
 12 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ S. 24 on W. face
 dug pits. $18 \times 18 \times 12$ ins N & S
 of stone 3 ft. dist. and raised
 a mound of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft. high, W. of cor.

59.46

Wash, oaks, wide, course S. Easterly

78.46

Reestablish the old sec. cor.
 in its original place as follows:

Set a Granite stone $18 \times 7 \times 7$ ins.
 12 ins. in the ground for cor
 of secs. 18 and 19. marked
 with 3 notches on N and S. edges.
 dug pits. $24 \times 24 \times 12$ ins. in
 secs 18 & 19, 6 ft. dist. and
 raised a mound of earth
 4 ft. base, 2 ft. high, E. of cor.

80.00

Set a Granite stone $18 \times 7 \times 6$ ins.

T6S, R23E. continued

chains

12 ins. in the ground for cor
of secs. 13 and 24, marked
with 3 matches on N and S edges
dug pits 24 x 24 x 12 ins. in
each sec. 6 ft. dist. and
raised a mound of earth
4 ft. base, 2 ft. high, W. of cor.
Land level

Soil, sandy, 1st & 2nd rate
No timber.

Undergrowth, greasewood.

N0°05'E, bet. secs. 13 and 18
over level land

- 7.44 Wash 10 lks. wide, course N. Easterly
12.04 Wash. 4 lks. wide, course N. Easterly
28.64 Road to Pina bears E and Westerly
38.24 I reestablish the old $\frac{1}{4}$ sec. cor.
in its original place as follows:-

Resurvey of the E. Bdy. of
chains

- ✓ Set a Granite stone $20 \times 6 \times 5$ ins
15 ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. 18. on E. face
dug pits $18 \times 18 \times 12$ ins. N and
S. of stone 3 ft. dist. and raised
a mound of earth $3\frac{1}{2}$ ft base,
 $1\frac{1}{2}$ ft high, E. of cor.
- 40.00 Set a Granite stone $18 \times 6 \times 5$ ins.
12 ins in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ S. 13 on W. face
dug pits $18 \times 18 \times 12$ ins. N and S
of cor. 3 ft dist. and raised a
mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high, W. of cor.
- 78.14 I reestablish the old sec. cor. in
its original place as follows:
Set a Limestone stone $18 \times 10 \times 6$ ins.
12 ins. in the ground for cor.
of secs. 7 and 18. marked with

T. 6S. R. 23E. continued

chains

2 notches on N. and 4 notches
on S. edges, dug pits $24 \times 24 \times$
 12 ins. in each sec. 6 ft dist.
and raised a mound of earth
4 ft. base, 2 ft high, E. of cor.

80.00

Set a Lime Stone $18 \times 8 \times 6$ ins.
 12 ins. in the ground for cor.
of secs. 12 and 13, marked
with 2 notches on N and 4
notches on S. edges. dug
pits $24 \times 24 \times 12$ ins. in each
sec. 6 ft dist. and raised a
mound of earth 4 ft. base
 $1\frac{1}{2}$ ft high, W. of cor.

Land level

Soil, gravelly, 1st & 2nd rate

No timber

Undergrowth, greasewood

Resurvey of the E. Bdy. of

chains

- $N 0^{\circ} 05' E$, bet. secs. 7 and 12
 over level, broken and mountainous land
- 14.74 Road to Pina, bears E. and Westly
- 37.81 I reestablish the old $\frac{1}{4}$ sec. cor.
 in its original place as follows:
 Set a Limestone $18 \times 10 \times 4$ ins.
 12 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4} S. 7.$ on E face
 from which the old bearing tree
 a mesquite 6 ins. diam. bears
 $N 31\frac{3}{4}^{\circ} E$, 103 lks. dist. marked
 $\frac{1}{4} S. 7. B.T.$
 a mesquite 14 ins. diam. bears
 $S 86^{\circ} E$, 433 lks. dist. marked
 $\frac{1}{4} S. 7. B.T.$
- 40.00 Set a Limestone $18 \times 8 \times 6$ ins.
 12 ins. in the ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4} S. 12.$ on W. face,
 dug pits $18 \times 18 \times 2$ ins. $N 4 S$

T. 6 S. R. 23 E. continued

chains

of stone 3 ft. dist. and raised
a mound of earth $3\frac{1}{2}$ ft
base, $1\frac{1}{2}$ ft. high, W. of cor.

40.14 Wash 80 lks. wide, course S Easterly;
and leave level land and
enter broken and mountainous
land

47.24 Ridge bears E & W.

56.24 Ridge bears E and W.

58.84 Wash 20 lks. wide, course Easterly

77.24 I reestablish the old sec. cor. in
its original place as follows:

Set a Limestone $78 \times 8 \times 4$ ins.
12 ins. in the ground for cor. of
secs. 6 and 7. marked with
1 notch on N and 5 notches on
S. edges. from which a mesquite
14 ins. diam. bears $N 47\frac{1}{2}^{\circ} E$ 314
lks. dist. marked T. 6 S. R. 24 E. S.
6. B. T.

Resurvey of the E. Bdy. of
chains

dig pits $24 \times 24 \times 12$ ins. in each sec. 6 ft dist. and raise a mound of earth 4 ft base 2 ft high. E. of cor.

80.00 Set a Limestone $18 \times 10 \times 7$ ins. 12 ins. in the ground for cor. of secs 1 and 12: marked with 1 notch on N face and 5 notches on S edges. dug pits $24 \times 24 \times 12$ ins. in each sec. 6 ft dist. and raised a mound of earth 4 ft. base 2 ft high. W. of cor.

Land level, broken and mountainous

Soil, gravelly. 2nd & 3rd rate

No timber

Undergrowth, greasewood,

mesquite and sotillo.

Mountainous land 39.86 chs.

T. 6 S. R. 23 E. continued

chains

- N^o 05' E. bet sec. 1 and 6,
over level and broken land
- 6.94 Wash 10 lks. wide, course Easterly
- 7.19 Road to Pima, bears E and Westerly
- 11.00 Leave level land and enter
mesa
- 16.44 Wash 8 lks. wide, course Easterly
- 23.94 Leave mesa
- 26.44 Enter level land
- 33.44 Road to Lime kiln bears E & W.
- 35.84 Road to Lime kiln bears E & W
- 36.82 I reestablish the old $\frac{1}{4}$ sec.
cor. in its original place
as follows:
Set a Lime stone 18x10x5 ins.
12 ins. in the ground for $\frac{1}{4}$
sec. cor. marked 48.6. on
E. face, dug pits 18x18x12
ins. N and S of stone. 3 ft dist.

Resurvey of The E. Bdy. of
chains

- and raised a mound of earth
3½ ft base, ½ ft. high, E of cor.
- 39.44 Wash 8 lks. wide, course Easterly
- 40.00 Set a line stone 18x12x3 ins.
12 ins. in the ground for ¼ sec
cor. marked ¼ S. 1. on W. face
from which a mesquite 6 ins.
diam. bears S 57¾° W. 86 lks. dist.
marked ¼ S. 1. B.T. dug pits
18x18x12 ins. N and S. of stone
3 ft. dist. and raised a mound
of earth 3½ ft. base, ½ ft. high
W. of cor.
- 52.44 Wash 80 lks. wide, course, Easterly
- 56.94 Wash 20 lks. wide, course Easterly
- 64.34 Wash 6 lks. wide, course Easterly
- 76.44 The closing Cor. of Tps. 6, S., R. 23
and 24 E, as heretofore described.
Land level and broken

T. 6S. R. 23E. concluded.

chains

Soil, gravelly, 2nd + 3rd rate

No timber.

Undergrowth, scrub mesquite
and greasewood.

May 12, 1900

Philip Couzess
U. S. Dep. Surveyor

Resurvey of the S. Bdy. of
chainis

For the purpose of testing
the alignment and chaining
of the S. Bdy. of Tps 6 S. R. 23 E.
I commence at cor. to Tps. 6 & 7
S. R. 23 and 24 E. as heretofore
described

April 19, 1900, at 7.40 am. lmt.
I set off $32^{\circ} 51'$ on the lat. arc;
 $11^{\circ} 10'$ on the decl. arc; and
determine a true meridian
with the solar.

Thence I run

West on a blank line

- | | |
|--------|--|
| 40.00 | Remains of old $\frac{1}{4}$ sec. cor. bears
7 lks. S. |
| 80.00 | Remains of old sec. cor. bears
$14\frac{1}{2}$ lks. S. |
| 119.00 | Remains of old $\frac{1}{4}$ sec. cor. bears
19 lks. S. |

T6SR23 East

chains

- 159.06 Cor. point of old sec. cor. bears
23 lks. S. (now in wash)
- 198.80 Remains of old $\frac{1}{4}$ sec. cor. bears
47 lks. S.
- 238.60 old sec. cor. bears 70 lks. S.
- 277.90 old $\frac{1}{4}$ sec. cor. bears 73 lks. S.
- 317.87 Remains of old sec. cor. bears
76 lks. S.
- 357.50 old $\frac{1}{4}$ sec. cor. bears 75 lks. S.
- 397.53 old sec. cor. bears 146 lks. S.
- 437.79 old $\frac{1}{4}$ sec. cor. bears 109 lks. N.
- 476.41 The cor. to Tps. 6 & 7 S., Rs. 22
and 23 E. as described by
the Surveyor General, bears
173 lks. N.

Finding this line to be out
in chaining and alignment
therefore I report to the
Surveyor General and ask

Resurvey of the S. Bay, of
chains

for authority of the
resurvey of the S. Bay, of
T. 6 S., R. 23 E. The Honorable
Commissioner having approved
authority by telegram May 8,
1900. I proceed to reestablish
said line.

May 14, 1900 at 8 am. l.m.t.
I set off $32^{\circ}51'$ on the lat. arc;
 $18^{\circ}37'$ on the decl. arc; and
determine a true meridian
with the solar at the cor.
of Tps. 6 and 7 S., Rs. 23 and
24 E., as heretofore described.
Thence I run

S. $89^{\circ}54'$ W. bet. secs. 1 and 36
over level land

0.30 Road to Bear Springs bears N.E.
40.00 I reestablish the old $\frac{1}{4}$ sec. cor.

T. 6 S. R. 23 E. continued

chains

in its original place as follows:
 Set a granite stone 20 x 8 x 8 ins.
 12 ins. in the ground for $\frac{1}{4}$
 sec cor marked $\frac{1}{4}$ S. 36.
 on N. face. 1 on S. face.
 from which.

a mesquite 18 ins. diam.
 bears N $64\frac{1}{2}^{\circ}$ W. 470 lks. dist.
 marked $\frac{1}{4}$ S. 36. 13 T.

a mesquite 10 ins. diam.
 bears S $84\frac{3}{4}^{\circ}$ E 406. lks.
 dist. marked $\frac{1}{4}$ S. 1. 13 T.

NE cor. of Bear Springs House bears
 S. $44^{\circ} 20' E$.

80.00 Set a granite stone 18 x 8 x 5 ins.
 12 ins. in the ground for cor.
 of secs. 1, 2, 35 and 36. marked
 with 1 notch on E. and 5 notches
 on W. edges. dug pits.

Resurvey of the S. Bdy. of
chains

18 x 18 x 12 ins. in each sec.
5½ ft. dist. and raised a
mound of earth 4 ft. base
2 ft. high W. of cor.

A mesquite 14 ins. diam.
bears S 56½° W, 402 lbs. dist.
marked T, S. R 23 E, S, 2. B, T.
no other trees within limits.

Land, level

Soil, sandy, 1st and 2nd rate
Timber, a few scattering mesquite
Undergrowth, greasewood.

S, 89° 57' W, bet. secs. 2 and 35
over level land

31.90 Wash 40 lbs. wide, course N Easterly

39.00 I reestablish the old ¼ sec. cor.
in its original place, as follows:

Set a Granite stone 18 x 8 x 7 ins

T6S. R. 23E, continued

Chains

12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 2 on S face,

from which

A mesquite 14 ins. diam. bears $S 68\frac{1}{2}^{\circ} E$, 211 lks. distant marked $\frac{1}{4}$ S. 2, B.T.

A mesquite 21 ins. diam. bears $S 40\frac{1}{2}^{\circ} W$, 174 lks. dist. marked $\frac{1}{4}$ S. 2, B.T.

40.00

Set a Limestone $18 \times 8 \times 6$ ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 35 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, $1\frac{1}{2}$ ft. high. N. of cor

53.40

Wash 10 lks. wide, course, S. Easterly

Resurvey of the S. Bay. of
chains

- 54.70 same wash, course N. Easterly
- 77.00 Wash 40 lks. wide, course N. Easterly
- 78.06 Set a granite stone 18x8x7 ins
12 ins. in the ground for
witness cor. to cor. of secs.
2 and 3, marked W.C. with
2 notches on E. and 4 notches
on W. edges, from which
a Tescala 6 ins. diam. bears
S 85° E, 40 lks. dist. marked
T. 75, R. 23 E, S. 2, B. T.
A mesquite 6 ins. diam. bears
S. 15° W, 125 lks. dist. marked
T. 75, R. 23 E, S. 2, B. T.
- 79.06 The cor. point for cor. of secs.
2 and 3, falls in wash 150 lks.
wide, course N. Easterly
- 80.00 The cor. point for cor. of secs.
34 and 35 falls on edge of

T. 6S. R. 23E. continued

chavis

wash.

8/00

Set a granite stone 18x10x6 ins. 12 ins. in the ground for witness cor. to cor. of secs. 34 and 35, marked WC, with 2 notches on E. and 4 notches on W. edges.

from which

a mesquite 10 ins. diam. bears N43° E, 170 lks. dist. marked T. 6S. R. 23E. S. 35. B.T.

a mesquite 4 ins. diam. bears N63½° W, 75 lks. dist. marked T. 6S. R. 23E. S. 34. B.T.

Land level

Soil, sandy 1st & 2nd rate
Timber, a few mesquite and
Isotla.

Undergrowth, greasewood and scrub
mesquite.

Resurvey of the S. Bdy. of
chains

$S 89^{\circ} 40' W.$ bet. sec. 3 and 34
over level land.

from cor. point, of sec. 34 & 35

4.60 Wash 20 lks. wide, course \approx Eastly

38.80

I reestablish the old $\frac{1}{4}$ sec. cor.
in its original place as
follows:

Set a granite stone $18 \times 6 \times 6$
ins. 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 3.

on S. face, from which,

a mesquite 7 ins. diam. bears

$S 56^{\circ} 4' W.$ 264 lks. dist. marked

$\frac{1}{4}$ S. 3. B. T. no other tree

within limits, 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, $1\frac{1}{2}$ ft

high, S. of cor.

T. 6 S., R. 23 E., continued

chains
40.00

Set a granite stone $20 \times 12 \times 6$ ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 34. 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, $1\frac{1}{2}$ ft. high. N. of cor.

59.00

Enter broken mesa

78.60

The old sec. cor. stone being under required size I set a sand stone $18 \times 8 \times 4$ ins. 12 ins. in the ground for cor. of secs. 3 and 4, marked with 3 notches on E and W edges, from which a mesquite 6 ins. diam. bears $S 52\frac{1}{4}^{\circ} E$, 70 lks. dist. marked T. 7 S., R. 23 E., S. 3. B.T.
A mesquite 6 ins. diam. bears

Resurvey of the S. Bdy. of
chains

- S $19\frac{1}{4}^{\circ}$ W. 90 els. dist. marked
T. 7 S. R. 23 E. S. 4. B. T. and
raised a mound of stone $2\frac{1}{2}$
ft. base $1\frac{1}{2}$ ft high S. of cor.
- 78.80 Wash 10 els. wide, course Southely
- 80.00 Set a Dand. stone $18 \times 8 \times 8$ ins.
12 ins. in the ground for cor.
of secs. 33 and 34, marked
with 3 notches on E and W
edges, from which
A mesquite 6 ins. diam. bears
N $68\frac{3}{4}^{\circ}$ E. 55 els. dist. marked
T. 6 S. R. 23 E. S. 34. B. T.
- a mesquite 6 ins. diam. bears
N $57\frac{3}{4}^{\circ}$ W. 50 els. dist. marked
T. 6 S. R. 23 E. S. 33. B. T.
- Land level and broken
Soil, gravelly. 2nd & 3rd rate
Timber, scattering scrub mesquite
Undergrowth, mesquite & greasewood.

T. 6 S. R. 23 E. continued

chains

S 89° 57' W, bet. secs. 4 and 33
over level and mountainous land

18.50 ascend ridge, along S. slope

28.50 Top of ridge and descend

37.90 I reset the old $\frac{1}{4}$ sec. cor. a

Granite stone 18x10x4 ins. 12 ins.

in the ground for $\frac{1}{4}$ sec cor.

marked $\frac{1}{4}$ S. 4 on S. and raised

a mound of stone 2 $\frac{1}{2}$ ft base

1 $\frac{1}{2}$ ft high. S of cor. pits impracticable

40.00 Set a Granite stone 18x8x8 ins.

12 ins. in the ground for $\frac{1}{4}$ sec.

cor. marked $\frac{1}{4}$ S. 33 on W. face.

and raised a mound of stone

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

pits impracticable.

58.00 Top of mesa bears NE and SW,

and enters level and rolling land

77.87 I reestablish the old sec. cor. in

Resurvey of the S. Bdy. of
chains

its original place as follows:

Set a Lime stone $18 \times 8 \times 4$ ins. 12 ins.
in the ground for cor. of secs.
4 and 5, marked with 4 notches
on E, and 2 notches on W. edges.
dig 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, $1\frac{1}{2}$ ft.
high, S of cor.

80.00

Set a sand stone $18 \times 10 \times 4$ ins. 12
ins. in the ground for cor. of secs.
32 and 33, marked with 4 notches
on E and 2 notches on W. edges.
from which a mesquite 6 ins
diam. bears $N 20\frac{1}{2}^{\circ} W$, 64-els.
dist. marked T. 6 S. R 23 E. S 32, BT
no other tree within limits. dug a
pit $36 \times 36 \times 12$ ins. in the sec. 8 ft.
dist. and raised a mound of earth

T. 6 S., R. 23 E. continued

chains

4 ft. base, 2 ft. high N of cor.
 Land level and mountainous
 Soil, gravelly 2nd & 3rd rate
 No timber.

Undergrowth, scrub mesquite
 greasewood and acorn
 Mountainous land 58. chs.

West bet. secs. 5 and 32.
 over level mesa.

37.50 I reset the $\frac{1}{4}$ sec. cor. which is a
 granite stone 18 x 8 x 8 ins. 12 ins.
 in the ground for $\frac{1}{4}$ sec. cor.
 marked "4 S. 5" on S. face.
 from which a mesquite 5 ins.
 diam. bears S 20 $\frac{1}{4}$ ° E. 140 lks. dist.
 marked $\frac{1}{4}$ S. 5. B.T. a mesquite 5 ins.
 diam. bears S 45 $\frac{1}{4}$ ° W. 194 lks. dist.
 marked $\frac{1}{4}$ S. 5. B.T.

Resurvey of the S. Bdy. of
chainsThence $S 89^{\circ} 00' W$.

38.92

Wash 100ks. wide, course N Easterly

40.00

Set a Granite stone $18 \times 10 \times 8$ ins.
12 ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4} S. 32$, on N face
from which a mesquite 5 ins. diam.
bears. $N 55^{\circ} E$, 89ks. dist. marked
 $\frac{1}{4} S. 32$, B.T. no other tree within
limits and raised a mound of
stone $2\frac{1}{2}$ ft base, $1\frac{1}{2}$ ft. high, N of
cor.

57.40

descend

65.00

Enter Trip canyon, course N Easterly

65.20

Wash 300ks. wide, course N Easterly

74.40

Wash 400ks. wide, course N Easterly

77.53

The old sec. cor. being under regulation
size I set a Sandstone $18 \times 8 \times 6$ ins.
12 ins. in the ground for cor of sec.
5 and 6. marked with 5 notches on

T. 6 S. R. 23 E. continued

chains

E and 1 notch on W. edges, from which a mesquite 12 ins. diam bears S. 50° E. 12 elks. dist. marked T. 7 S. R. 23 E. S. 5. B. T. a Juno 8 ins. diam. bears S 16' 4" W. 175 elks. dist. marked T. 7 S. R. 23 E. S. 5. B. T.

Thence N 86° 30' W.

8000

The cor. point of secs. 31 and 32 comes on N edge of wash

82.33

Set a esrawile stone 20 x 12 x 12 ins. 15 ins. in the ground for witness cor. to cor. of secs. 31 and 32 marked W. C. with 5 notches on E and 1 notch on W. edges, from which a mesquite 5 ins. diam. bears N 72° E. 94 elks dist. marked T. 6 S. R. 23 E. S. 32. B. T. no other tree within limits, and raised a mound of stone 2 1/2 ft base 1 1/2 ft high W. of cor. Pits impracticable.

Resurvey of the S. Bdy. of
chains

Land level and broken

Soil, sandy and gravelly 2nd & 3rd rate

Timber, scrub mesquite and

Lesolā

Undergrowth mesquite, greasewood &

Lesolā

N 86° 30' W, bet. secs. 6 and 31
from corner point.

14.50 Leave Trip Cañon, course N. E. & S. W.;
ascend

20.00 Top of mesa bears N. E. and S. W. and
enter cholla

37.79 I reset and mark the old $\frac{1}{4}$
sec cor. in its original place
as follows: set a granite stone
18x8x6 ins. 12 ins. in the ground
for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ S. 6. on
S. face, dug pits 18x18x12 ins

T. 6 S. R. 23 E. continued

chains

E and W. of stone 3 ft. dist and raised a mound of earth $3\frac{1}{2}$ ft.

base $1\frac{1}{2}$ ft. high S of cor.

Thence $N 89^{\circ} 45' W$.

4000

Set a Granite stone $18 \times 8 \times 8$ ins.

12 ins. in the ground for $\frac{1}{4}$ sec.

cor. marked $\frac{1}{4}$ S. 31 on N face

aug. 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

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

4050

old Camp Grant Road bears N.E.

Road to Pima bears $N 32^{\circ} E$;

Wash 10 eks wide course N.E.

7641

The cor. of Tps. 6 and 7 S. Rs. 22

and 23 E. as heretofore described.

Land level and broken

Soil gravelly 1^{st} & 2^{nd} rate

Timber, scrub mesquite, juno and

Leotia

Resurvey of the S. Bdy. of T. 6 S. R. 23 E. concluded
chains

undergrowth, scrub mesquite
greasewood, cholla & yucca,

May 14, 1900

Philip Contzer.
U. S. Dep. Sur.

U. S. Surveyor-General's Office,

Tucson, Arizona, Oct. 27, 1900

The foregoing field notes of the survey of *East Bay of S. P. 226*.....

of the East and South.....

Boundaries of S. P. 226.....

of the G. & S. R. B. & M., Arizona, executed by

PHILIP CONTZEN, D. S.,

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

George Lehman

U. S. Surveyor General.