

Resurvey 3rd GUIDE MER
E.TPS 21-22-23
24 S.. RS 17-18E

PH. CONTZEN
U. S. DEP. SUR

1553

2.

SPECIAL INSTRUCTIONS
DATED DEC. 19, 1902

1553

4-671

BOOK 1553

FIELD NOTES

BOOK 1553

GENERAL LAND OFFICE.

R. W.

2/30

7
Copied by E. V. May 7/13

Third Index Merid.
Through.

T 23 S (cont)

49

Trac. " 24 S

60

For Index for sec. and $\frac{1}{2}$ sec. lines
see page 5, Book 1552.

153 BOOK 49
1553
through Sps 23 S, between Rs 17 and 18 E.
Chemin

Land, mountains, rolling and level.
Soil, gravelly; 2nd and 3rd rates.
Pine, oak.

Mountains or heavily timbered land,
4000 chs.

50
Junk at 4000 13 and 18.

Over mountains land, ascending.

20 Enter draw, course southerly.

7.00 Mouth of draw and enter valley, bars
N. Easterly and S. Westerly.

13.90 Dry wash, 20 chs wide, course Westerly.

15.30 Dry wash, 1 ch wide course Westerly.

20.30 Clear valley, bars Easterly and Westerly;
ascend through scattering oak timber.

29.50 Top of small, bars Easterly and Westerly;
ascend.

36.85 Sully, 5 chs wide, course Westerly; ascend.

37.70 Top of spur, extending N. Westerly; ascend.

39.20 Port, bars N. Westerly and S. Easterly; ascend.

Resurvey of the 3rd Guide Meridian East,
Chains

- Difference between measurements of 4000
chs by two sets of chainmen is 8 chs
fraction of middle point
- By 1st set 3996 chs
- By 2nd set 4004 chs, the mean of which is
4000
- Set a sandstone 24x6x6 ins, 18 ins in the
ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ on W
face, from which
- An oak 10 ins diam bears N $71\frac{1}{2}^{\circ}$ E, 55 chs
dist, marked $\frac{1}{4}$ S. B. P.
- An oak, 20 ins diam, bears N. $88\frac{1}{4}^{\circ}$ W,
41 chs dist, marked $\frac{1}{4}$ S. B. P.
- 40.50 Top, bears N. Westerly and S. Easterly.
- 45.00 Begin descent.
- 54.19 Enter set N. ldy of the San Rafael
de la Zanja Land Grant at a point from
which the $\frac{1}{2}$ mile cor of the grant
bears E 57 chs dist
- Set a sandstone 24x18x8 ins, 18 ins in

Stoughton Apr 23 S. between Rs 17 and 18 E.

Chains the ground for closing cor of frael sres 18 and 18 marked C C on N, 18 on E, S B D & G on S and 13 on W. frael and raise a mound of stone 2 ft high 1 1/2 ft high, N. of cor. Pits impracticable. Primer across grant

54.30 Enter draw, course S. Westerly.

57.10 Day work, 25 lbs wide, course Westerly.

59.30 Leave draw and ascend.

69.00 Top ridge, bears N. Easterly and S. Westerly; descend

Difference between measurements of 8000 chs by two sets of chainmen is 10 lbs position of middle point

By 1st set 8005 chs

By 2nd set 7995 chs, the mean of which is

8000 Point for cor of sres 13, 18, 19 and 24, falls in grant at which point set a stake.

Crossing of the 3rd Guide Meridian East,
Chambers

From this point old, see cor. bars S 73° E,
15 chs dist. & destroy all traces of old
cor.

Land rolling and level.

Soil, sandy loam and gravelly.

Timber, scattering oak.

South bet sees 19 and 24

Acres grant.

Over rolling land; descending through
scattering oak timber.

1.00 Center draw, course W. & S. W. & S. E.

3.70 To rare draw and ascend.

7.00 Top, bars N. E. & S. & S. E. & S. W. & S. E.

16.00 Begin gradual descent.

21.29 In firm, bars N $83\frac{1}{2}^{\circ}$ E and S $83\frac{1}{2}^{\circ}$ W,
inter valley, bars N. E. & S. & S. E. & S. W. & S. E.

Difference between measurements of 4.00

through Nos 23 S. between Rs 17 and 18 E.
Chain's

chs by two sets of chainman is 8 chs,
position of middle point.

By 1st set 4.004 chs

By 2nd set 39.96 chs, the mean of which is
41.00 Point for $\frac{1}{4}$ ev falls in grant. Set a stake
at ev point.

(Old ev bars S 75 E, 15.60 chs dist. &
destroy all traces of old ev.)

40.30 Dry creek, 25 chs wide, course S. Westerly

42.00 bend.

42.70 Top of bench.

51.25 Dry creek, 30 chs wide, course Westerly.

53.70 Gravel valley, bars Easterly and Westerly;
begin steep ascent.

56.70 Top, 60 ft above valley, bars Easterly and
Westerly, descend.

62.00 Foot, 80 ft below top of descent; enter
draw, course N. Westerly

66.00 Leave draw and ascend

Resurvey of the 3rd Guide Meridian East
 Changes

67.00 Top of spur, extending N. Westerly; descend.

68.50 Draw, 1 ch wide, curved N. N. Westerly;
 ascend.

75.00 Top of ridge, 130 ft above draw, bears
 N. Westerly and S. Easterly; descend
 along S. W. slope.

Difference between measurements of 8.00
 chs by two sets of chainmen is 10 chs,
 position of middle point.

By 1st set 79.94 chs.

By 2nd set 8.006 chs, the mean of
 which is

80.00

Plat point for cor of sres 19, 24, 25
 and 30 falls in front; set a stake
 at cor point.

Old s're cor bears S 68° E, 16.00 chs dist,
 I destroy all traces of old cor.

Land mountainous, rolling and low.
 Soil sandy loam and gravelly; and

through the 23 S between Rs 17 and 18 E
 chains

and 3rd rate.

Timber scattering oak.

Mountainous land, 32.30 chs.

South of trees 25 and 30:

Acres front.

Over mountainous land, descending through
 oak timber.

3.00 Draw, 100 ft below top of ridge, 40 chs
 wide, course N. W. sterly; ascend.

6.00 Top of ridge, 40 ft above draw, bears
 Easterly and Westerly; descend.

10.70 Chared ^{in draw} 50 ft below top of ridge, 15
 chs wide, course Westerly; ascend.

18.00 Top of ridge, 80 ft above draw, bears
 Easterly and Westerly.

20.00 Drowned

28.50 Foot 50 ft below top of ridge, enter draw
 course S. Westerly

Resurvey of the 3rd Guide Meridian East,
Chain

- 31.50 Grand draw and ascend.
- 34.00 Top, bars Easterly and Westerly; descend
Difference between measurements of
4.00 chs by two sets of chainmen is 12
lbs; position of middle point
By 1st set 39.94 chs
By 2nd set 40.06 chs; the mean of
which is
40.00 Point for $\frac{1}{4}$ ev falls in front. Set a stake
at ev point.
Old ev bars S. 69° E, 16.60 chs dist. & destroy
all traces of old ev.
- 45.75 Descend steeply.
- 50.75 Prot, 250 ft below top of descent, enter
draw, course S. Westerly.
- 57.80 Grand draw, ascend.
- 62.00 Top of ridge, bars N. Easterly and S.
Westerly; descend to
- 67.00 Bench, 50 ft below top of ridge.

through Apr 23 S return Rs 17 and 18 E

Chain

73.00 Descend from bench.

76.00 Enter valley, bars Easterly and Westerly.

77.75 Dry creek, 20 lbs wide, course S.
Westerly.

Difference between measurements of
800 chs by two sets of chainmen is 8
lbs., position of middle point.

By 1st set 80.04 chs

By 2nd set 79.96 chs. (The mean of which is

800) The point for cor of sres 25, 30, 31 and
36 falls in grant. Set a stake at cor.
point.

Old cor bars bars S. 65° E 17.10 chs dist.

Do destroy all traces of old cor.

Land, mountainous and level.

Soil; gravelly, 2nd and 3rd rate.

Timber, oak.

Mountainous land, 52.75 chs!

February 22, 1903.

Periphery of the 3rd Guide Meridian East,
chains

South, 4th sec 31 and 36.

Across grant

Over low land.

10.50 Draw valley, bears Easterly and Westerly.
Begin steep ascent.

14.00 Top of spur extending Westerly, 80 ft above
valley; descend.

22.00 Foot, 80 ft below top of spur; enter draw,
course S. Westerly.

23.92 N. 71° 50' E, bears N. 81½° E, and S 81½° W.

28.50 Draw draw and ascend.

33.00 Top, 80 ft above draw, bears N. Westerly and
S. Easterly; descend.

Difference between measurements of 4000
chs by two sets of chainmen is 10 chs,
position of middle point.

By 1st set 40.05 chs

By 2nd set 39.95 chs, the mean of
which is

through Sta 23 S, between Pa 17 and 18 E

Chains

4.00 Point for $\frac{1}{4}$ sec ev falls in grant. Set a stake at ev point.

Old ev bears S. 64° E; 17.60 chs dist. I destroy all traces of old ev.

41.50 Spot, 60 ft below top of descent; enter draw, course Westerly.

45.00 Grad down and ascend.

49.00 Top of ridge, bears Easterly and Westerly; descend.

53.00 Spot, enter draw, course S. Westerly.

56.00 Grad down and ascend.

59.00 Top, bears N. Easterly and S. Westerly.

65.00 Descend

75.20 Enter valley, bears N. Easterly and S. Westerly.

Difference between measurements of 8.00 chs by two sets of chainmen is 12 lbs. position of middle point.

By 1st set 79.94 chs

Boundary of the 3rd, 4th and Meridian Const.,
Chain

By 2nd set 80.06 chs. the mean of
which is

8.000 The point for cor of Sps 23 and 24 S,
Rs 17 and 18 E, falls in grant. Set a
stake at cor point.

Old cor bars S $71\frac{1}{2}^{\circ}$ E 18.80 chs dist.

Destroy all traces of old cor.

Land, mountainous and level.

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

Timber, scattering oak.

Mountainous land, 47.00 chs.

South lot sres 1 and 6.

Across grant.

Over level land.

2.00 Dry wash 40 chs wide, course W. strily.

7.00 Grave valley; begin steep ascent.

12.75 Top of ridge, 130 ft above valley, bars

through Sta 24 S. between Sta 19 and 18 E,
chain

Easterly and Westerly; descend.

20.95 Foot, 100 ft below top of ridge; road ^{below}
Easterly and Westerly. Thence over gently
rolling land.

22.95 Road bears N. Easterly and S. Westerly
Difference between measurements of
4000 chs by two sets of chainmen is
8 chs, portion of middle point.

By 1st set 400.4 chs

By 2nd set 39.96 chs; the mean of which is

X 4000 Point for $\frac{1}{4}$ sec cor falls in front. Set a
stake at cor point.

Old cor bears S. 70° E, 19.39 chs dist.

Destroy all traces of old cor.

47.00 Begin ascent of N. W. slope of ridge.

56.00 Top of ridge, bears N. Easterly and S.
Westerly; descend.

68.98 Road bears Easterly and Westerly

71.00 Foot, 100 ft below top of ridge, ^{inter}

Resurvey of the 3rd Guide Meridian East
Chain

ralley, bears N. Easterly and S. Westerly.
Difference between measurements of
8000 els by two sets of chainmen is 10
ths, position of middle point.

By 1st set 7999.95 els

By 2nd set 8000 els, the mean of
which is

8000 This point for cor of sres 1, 6, 7 and 12
falls in grant. Set a stake at cor point.

Old cor bears S 68° E, 2000 els dist. &
destroy all traces of old cor.

Land mountainous, rolling and level.

Soil, sandy loam and gravelly; 1st, 2nd
and 3rd rates.

Not timbered.

Mountainous land, 37.95 els!

South bet sres 7 and 12.

Across grant

through Sta 24 S. between Rs 17 and 18 E.

Chains

Over level land.

36.55 Arroyo, 20 lns wide, course S. Westerly.

Difference between measurements of 4000
chs by two sets of chainsmen, is 6 lns,
position of middle point.

By 1st set 37.97 chs

By 2nd set 40.03 chs, the mean of
which is

4000 The point for $\frac{1}{4}$ sec cor falls in front.

Set a stake at cor point. Destroy
all traces of old cor.

41.75 Draw, valley, base N. Easterly and S.
Westerly; ascend.

44.00 Top of spur of high mesa, extending
Westerly; descend.

53.00 Enter draw, course N. Westerly.

57.30 Leave draw and ascend.

6000 Top of spur of mesa, extending Westerly;
descend.

Removal of the 3rd Guide Meridian East,
Chambers

62.00 Feet

64.00 Ascend.

67.50 Top of spur, extending N. Westerly,
descend.

71.00 Feet.

72.12 Enter set S. bdy of the San Rafael
de la Zanja land grant at a point
from which the 9 mile cor of the grant
bears $N. 33^{\circ} 4'$ E. dist.

Set a granite stone $24 \times 14 \times 10$ ins, 18
ins in the ground, for closing cor
of parcel sres 7 and 12, marked
S B D L 7 on N, 7 on E, 6 6 on S
and 12 on W faces. dig pits $24 \times 18 \times 12$
ins, crosswise on each line, E and W
3 ft and S of stone 7 ft dist, and raise
a mound of earth 4 ft base, 2 ft
high, S of cor.

Thence Continue

Through Apr 24 S. between Rs 17 and 18 E

Chains

73.00 Ascend.

74.50 Top of spur, extending W. & N. W.;

75.50 Descend.

78.50 Enter draw, course S. W. & N. W.

Difference between measurements of
8000 chs by two sets of chainmen is 8
chs, position of middle point.

By 1st set 8004 chs

By 2nd set 7996 chs; the mean of
which is

8000 Set a sandstone 24 x 12 x 10 ins, 18 ins
in the ground for cor of sres 7, 12, 13
and 18, marked with 2 notches on N.
and 4 notches on S edges; dig pits
18 x 18 x 12 ins in each sro, 5 1/2 ft dist
and raise a mound of earth 4 ft base
2 ft high, W of cor. Notchers of old cor.
sand, rolling and level.

Soil, sandy loam and gravelly; 1st

Resurvey of the 3rd Girdle Meridian East
Chains

2nd and 3rd rats.

No timber.

South lot sees 13 and 18.

Over level land

- 1.35 Level draw and ascend.
- 4.50 Top of spur, extending Westerly;
descend.
- 6.00 Foot, bars Easterly and Westerly
- 7.20 Ascend.
- 8.50 Spur, extending Westerly; desc end.
- 11.50 Foot; then descend gradually along
N. slope high mesa.
- 19.15 Road bars N. Westerly and S.
Easterly.
- 24.00 Descend steeply.
- 28.50 Road, bars Easterly and Westerly;
into draw.
- 30.00 Dry wash, 15 lbs wide, course N.

through Sta 24 & between No 17 and 18 E
Chamie

Westerly.

30.55 Rize finer bars N. 88° E and S 88° W.

31.30 Cross draw and ascend.

38.00 Top of small bars N. Westerly and S. Easterly; ascend.

Difference between measurements of
4.00 els by two sets of chromium is
8 lbs, position of middle point.

By 1st set 4.04 els

By 2nd set 39.96 els, the mean of
which is

4.00 Set a sundstone $24 \times 10 \times 8$ ins, 18 ins
in the ground, for $\frac{1}{4}$ sec cor, marked
 $\frac{1}{4}$ on W. face. Dig pits $18 \times 18 \times 12$ ins
N. and S. of stone 3 ft dist and
raise a mound of earth $3\frac{1}{2}$ ft base,
 $\frac{1}{2}$ ft high, W. of cor.

Old cor bars S. 70° E, 21.00 els dist.

D. destroy all traces of old cor.

Resurvey of the 3rd Guide Meridian East,
Champs

51.00 Top of small bars N. Easterly and
S. Westerly; disend.

Difference between measurements of
8000 chs by two sets of chainmen is 10
lbs, position of middle point.

By 1st set 79.95 chs

By 2nd set 80.05 chs. The mean of
which is

8000 Set a sandstone $24 \times 10 \times 10$ in, 18 in
in the ground, for ev of sres 13, 18,
19 and 24, marked with 3 notches on N.
and S. edges, dig pits $18 \times 18 \times 12$ in,
in each sre, 5' 2' dist, and raise a
mound of earth 4 ft base, 2 ft high,
N of ev.

Old sre ev bars $S 68^\circ E$, 20.90 chs
dig & destroy all traces of old cor.
Land, rolling and level.

Soil rich and sandy loam and

through the 24 S. between the 17 and 18 E.
C Davis

BOOK 1553

69

Gravelly, 1st, 2nd and 3rd rate.
_{no timber}

South between 19 and 24.

Over rolling land, descending.

6.20 Old road, bears N. Easterly and S. Westerly.

10.30 Enter valley, bears N. Easterly and S.
Westerly.

15.75 Dry creek, 1 ch wide, course Westerly.

20.60 Broad valley, bears Easterly and
Westerly; begin steep ascent through
oak timber.

22.50 Top of spur, 60 ft above valley,
extending N. Westerly, descend.

25.00 Draw, 50 ft below top of spur, course
N. Westerly; ascend.

29.00 Top of spur, 100 ft above draw, extending
N. Westerly; turner along S. W. slope.

Difference between marks overmounts of
33.69 chs by two sets of chainmen, is 6

Pranney of the 3rd Grade Meridian East,
 Charles

lks, position of middle point.

By 1st set 33.73 chs,

By 2nd set 33.65 chs, the mean of
 which is

33.69 Interpret International Boundary Line
 between the United States and Republic
 of Mexico at a point from which boundary
 monument No. 110 bears N. 89.52' W, 76.85
 chs dist.

Set a sandstone 28 x 14 x 14 ins, 18 ins
 in the ground, for closing cor of frac-
 tures 19 and 24, marked C C on N,
 19 on E M & X on S and 24 on W
 faces, from which

An iron 20 ins chain bears N 81 1/2' W,
 250 lks dist, marked C C S 24 S B 17 E
 S 24 B S, in other end within limit,
 and raise a mound of stone 3 ft base,
 2 ft high, N. of cor. Sets impracticable.

through Sps 24 S, between Rs 17 and 18 E. ⁷¹

Chavis

From this point of old closing cor brass
S. 65° E. 21.90 chs dist.

O. destroy all tracers of old cor.
Land, mountainous, rolling and level.

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

Timber, scattering oak.

Mountainous land, 13.00 chs.

February 23, 1903.

General Description.

Sps 21 S, Rs 17 and 18 E, are generally
rolling lands, producing an abundant
growth of grass. There is considerable
oak timber in the Sps. There is
some good agricultural land in
O. Bonnell canyon, about 1½ mile E of
line. There are a number of settlers
within these Sps who have made

some substantial improvements. These
Sps should be subdivided.

Sps 22 S, Rs 17 and 18 E, are partly
covered by the Canal Hills. Oak
timber abounds on the slopes of the
hills and there is a good growth of grass.
There are several settlements in these
Sps

Sps 23 S, Rs 17 and 18 E, are hilly,
rolling and level, covered in most
parts with heavy oak timber and
producing rich and nutritious grasses.
The southern half of these Sps are
embraced within the limits of the San
Rafael de la Guiza land grant. There
are some settlements in these Sps.

Sps 24 S, Rs 17 and 18 E are rolling
and level, covered with a good growth
of grass. The northern tier of sections

is embraced within the San Rafael
de la Ganja land grant.

Philip Couzgen

U S Deputy Surveyor.

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List of Names.

A list of the names of the individuals employed
by *Philip Cantzen*.....

U S. Deputy Surveyor, to assist in running, measuring
and marking the lines and corners described in the forego-

ing Field Notes of the survey of the ^{u-} *319* *Guide*

Meridian East through
Tps 21 - 22 - 23 and 24 S.
Ranges 17 and 18 East

of the Gila and Salt River Base and Meridian, in the Ter-
ritory of Arizona, showing the respective capacities in which
they acted.

John M. Tray ex Chairman.

George A. Hawley Chairman.

Chas. H. Pogue Chairman.

Ramon Sinohua Chairman

..... Axeman.

J. Canute Axeman.

Tom Lunn Flagman.

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Final Oath of Assistants.

We hereby certify that we assisted *Philip*
Conzen U. S. Deputy Surveyor in
 re-surveying all those parts or portions of the *3^d*
Guide Meridian East
 through *Tps 21-22-23-24*
South Ranges 17th 18th East

of the Gila and Salt River Base and Meridian, in the Ter-
 ritory of Arizona, as are represented in the foregoing field
 notes as having been surveyed by him and under his direc-
 tion; and that said Survey has been in all respects, to the
 best of our knowledge and belief, well and faithfully survey-
 ed, and the corner monuments established according to the
 instructions furnished by the United States Surveyor Gen-
 eral for Arizona.



J. M. Gray Chainman.
G. A. Hapley Chainman.
C. M. Cogan Chainman.
Ramon Simohu Chainman.
J. Canute Azeman.
Tom Laurel Flagman.

Sworn and subscribed before me, this *24th*
 day of *February* 190*3*

Homes Dauter
 Notary Public.

[SEAL.]

com. exp. 1/17/07.

Final Oath of U. S. Deputy Surveyor.

I, *Philip Contzen*

U. S. Deputy Surveyor, do solemnly swear that in pursu-
ance of a contract received from... Hugh H. O'Neil

United States Surveyor General for Arizona, bearing date
of the *19th* day of *December*, 190*2*,

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 Arizona, the Man-
ual of Surveying Instructions, and the laws of the United
States, surveyed all those parts or portions of the.....

3^d & Guide Meridian East
through Tps. 21-22-23-24
South, Ranges 17th & 18th East

of the Gila and Salt River Base and Meridian, in the Ter-
ritory of Arizona, as are represented in the foregoing Field
Notes as having been surveyed by me and under my direc-
tion; and I do further solemnly swear that all the corners of
said surveys have been established and perpetuated in strict
accordance with the Manual of printed instructions, the
special instructions of the United States Surveyor-General
for Arizona, and in the specific manner described in the
field notes, and that the foregoing are the true Field Notes
of such survey; and should any fraud be detected I will

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suffer the penalty of perjury, under the provisions of an act
of Congress approved August 8, 1846.

Philip Couzger
U. S. Deputy Surveyor.

re

Sworn to and subscribed before me this... 28th

day of *March*.....1903

Clifton D. Hooper,
Clerk District Court
First District, Arizona

BOOK 1553

BOOK 1553 APPROVAL.

OFFICE OF THE U.S. SURVEYOR GENERAL.

Phoenix, Arizona, May 12-1903-

The foregoing field notes of the ^{re}sur-

vey of 3^d Guide Mer. E thro' Tps 21-22-23 & 24

S. R. 17 & 18 E. -----

executed by Philip Cortzen, S.

under his ^{Spec. Inst.} contract No. ----- dated 19"

Dec ----- 1902. having critic-
ally examined, and the necessary correc-
tions and explanations made, the said
field notes, and the surveys they describe
are hereby approved.

Hugh W. Price
U.S. Sur. Gen. for Arizona.