

WEST-BOUNDARY
TROSRIE

CONTRACT-78
PH. CONTZEN
U.S. DEPT. SUR

1539

1539

BOOK 1539

4-671

FIELD NOTES
GENERAL LAND OFFICE.

Field Notes
of the survey of the
West Boundary
of
Township N^o 20 South
Range N^o 12 East
of the
Gila & Salt River Base & Meridian
in the Territory of Arizona
as surveyed by
Philip Coutzen
U. S. Deputy Surveyor
under his Contract N^o 78
Dated December 26-1900.

Survey commenced March 23rd 1901
Survey completed March 24th 1901

BOOK 1539

See Subdivisions of
Tp. 20 T., R. 12 E.
for preliminary oath.

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P. 20 S. R. 12 E.

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West boundary of
chains

March 23. 1901. at 8.^h30^m a.m.
I set off $31^{\circ}38'10''$ on Lat. arc;
 $0^{\circ}48'N$ on Decl. arc. and
determine a true meridian
with the solar at the
closing corner to Township
20 South Range 12
East on West boundary
of Townships as heretofore
described.

Thence I run
North bet. secs. 31 and 36

2.10	ascend
7.50	Top of ridge, bears E and W.
8.20	Descend
15.90	Foot of descent
27.50	Wash, 50 yds. wide, course S.W.
28.10	ascend
40.00	Set a Granite stone 18 X 12 X 6 ins

T. 20 S. R. 12 E. C. 5

chains

12 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ 31

~~42.90~~ on E face, and
raised a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high W. of
cor. pits impracticable.

42.90 Top of ridge, bears E and W.

43.30 Descend

62.10 Foot of descent

76.10 ascend

80.00 Set a volcanic rock $18 \times 10 \times 5$ ins.

12 ins. in the ground for cor.
to secs 31 and 30.

marked with 1 notch on S.
and 5 notches on N. edges.
and raised a mound of stone
 $2\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.

Land Mountainous.

West Boundary of chains.

Soil, gravelly. 3rd rate.

No Timber.

Mountainous Land 80 chs.

North, bet. secs. 25 and 30
over mountainous land,
ascending.

11.50 Top of ridge, bears N.E. and
S.W.

12.10 Descend

34.50 Foot of descent

40.00 Point for $\frac{1}{4}$ sec. cor. falls in
wash 40 chs. wide, course
N.W.; ascend

45.00 Set a volcanic stone 18x8x5 ins.
12 ins. in the ground for
Witness Corner to $\frac{1}{4}$ sec. cor.
marked W.C. $\frac{1}{4}$ 30 on E. face
and raised a

T. 20 S. R. 12 E - Continued

chains

mound of stone 2 ft. base
1½ ft. high w. of cor. Pits
impracticable.

Top of ascent.

67.80 Wash 10 lks. wide, course N

73.20 Trail bears N and S.

80.00 Set a Granite stone 18x12x4 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, and
raised a mound of stone
2½ ft. base 1½ ft. high E. of
cor. Pits impracticable.

Land mountainous

Soil, gravelly, 3rd rate.

Timber, scattering mesquite.

Mountainous Land, 80 chs.

West Boundary of

chains.

- North, bet. secs. 19 and 24
over mountainous land.
ascending.
- 5.40 Top of ridge, bears N.E.
- 6.20 Descend
- 34.40 Foot of descent
- 40.00 The point for $\frac{1}{4}$ sec. cor falls
on W. edge of wash
- 43.00 Set a Granite Stone 18x12x6 ins.
12 ins. in the ground for
Witness corner to $\frac{1}{4}$ sec. cor.
Marked 4.19 on E face
and raised
a mound of stone 2 ft. base
 $1\frac{1}{2}$ ft. high W. of cor. Pits
impracticable.
- 48.50 ascend
- 62.00 Top of ascent; descend
- 63.10 Wash, 10 fts. wide, course E.

T. 20 S. R. 12 E. - Continued

chains

64.20 ascend

68.00 Top of ascent; descend

75.00 Foot of descent

77.50 Set a sandstone 18 x 6 x 6 ins
12 ins. in the ground for witness
corner to cor of secs. 19 & 24
marked ^{WC.} with 3 notches on
N and S edges. and raised a
mound of stone 2 1/2 ft. base
1 1/2 ft. high W. of cor. Pits
impracticable.

78.50 Enter wash, course northerly.

80.00 The point for cor. of secs. 18 and
19 falls in wash.

Land mountainous.

Soil, gravelly, 3rd rate.Timber, scattering mesquite +
Yucca

Mountainous Land 80 chs.

Mch. 22, 1901

West Boundary of

chains

March 24, 1901.

North, bet. secs. 13 and 18.

from Cor. point in wash.

9.00

Leave Wash, course N. Westerly;
ascend

17.50

Top of ascent; descend

35.10

Foot of descent

39.00

Set a Granite Stone 18x10x5 ins.

12 ins. in the ground for

Witness Corner to $\frac{1}{4}$ sec. Cor.
marked WC. $\frac{1}{4}$ 13 on W. face

18 on E face.

from which

a mesquite 4 ins. diam. bears

N 18° E 10 els. dist. markedWC. $\frac{1}{4}$ S. 18. B.T.

a Tesota 4 ins. diam. bears

S $29\frac{1}{2}^{\circ}$ E 8 els. dist. markedWC. $\frac{1}{4}$ S. 18. B.T.

40.00

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

T. 20 S. R. 12 E. Continued

chains

in Wash 30 lks. wide course NW.

50.00 ascend

72.00 Top of ascent; descend

78.00 Foot of descent; Wash 10 lks. wide
course NW; ascend80.00 Set a sandstone 18x8x5 ins. 12"
in the ground for corner 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. W. of
corner. Pits impracticable

Land mountainous

Soil gravelly 3rd rateTimber, a few scattering mesquite
and *Tsota*.

Mountainous Land 80 chs.

West Boundary of chains

- North bet. secs 7 and 12
over mountainous land
ascend
- 27.50 Top of ascent, bears N.E.
- 28.00 Descend
- 38.50 Foot of descent; ascend
- 40.00 Set a Sandstone 18x8x4 ins.
12 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ 7 on W
face. ——— and raised
a mound of stone 2 ft base
 $1\frac{1}{2}$ ft. high W. of cor. Pits
impracticable
- 41.00 Top of ascent and descends
over spurs
- 59.00 Foot of descent and enter
Dopori Valley
- 59.20 Set a Malpais Stone 18x10x10 ins.
12 ins. in the ground for

T. 20 S. R. 12 E - Continued

Meander corner to fractional
secs. 7 and 12. on right bank
of Popori River. marked
M.C. on N face. with 6 grooves
on E & W faces. from which a
mesquite 18 ins. diam. bears
N 44½° E. 130 lks. dist. marked
T. 20 S. R. 12 E. S. 7. M.C. B.T.

a mesquite 5 ins. diam. bears
N 27° W. 78 lks. dist. marked
T. 20 S. R. 19 E. S. 12. M.C. B.T.

66.50 Left Bank Popori River. Set
a Malpais stone 18x8x8 ins.
12 ins. in the ground for
Meander corner to fractional
secs. 7 and 12. marked M.C.
on S face. with 6 grooves on
E & W faces; from which
a Tesota 4 ins. diam. bears

14 West-Boundary of

559°W 10 lks. dist. marked

T20S. R11E. S. 12. M.C. B.T.

a *Tesolā* 4 ins. diam. bears

N83°E, 54 lks. dist. marked

T20S. R12 East. S. 7. M.C. B.T.

Enter dense mesquite and
Tesolā undergrowth.

77.35 Road from Tucson to arivaca
bears E and W.

80.00 Set a Malpais Stone 18x8x6 ins.

12 ins. in the ground for cor.

of secs. 6 and 7 marked

with 5 notches on S. and 1
notch on N. edges. from

which a mesquite 10 ins.
diam. bears N66½°W. 80 lks.
dist. marked T20S. R11E.

S. 1. B.T.

a mesquite 7 ins. diam. bears

T. 20 S. R. 12 E. Continued

S 74° E. 57 lks. dist. marked

T. 20 S. R. 12 E. S. 7. B.T.

Land mountainous

Soil, gravelly, 3/4 rate

Timber, mesquite
and teaton

Mountainous Land and land
covered with dense undergrowth

80 chs.

North, bet. secs. 1 and 6

Through dense mesquite timber

3.70 Leave Popori Valley and enter
flat.

12.80 Wash 30 lks. wide, course
S. Easterly

16.50 Wash 10 lks. wide, course SE

30.00 Leave flat, bears SE.

35.40 Wash 10 lks. wide, course S.W.

40.00 Beta Malpais Stone 18x10x6 ins.

West Boundary of

12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ 6 on W face. ———; from which a mesquite 12 ins. diam. bears $N47\frac{1}{4}^{\circ}E$ 20 lks. dist. marked $\frac{1}{4}$ S. 6. B. T.

A mesquite 8 ins. diam. bears $S68^{\circ}E$ 86 lks. dist. marked $\frac{1}{4}$ S. 6. B. T.

- 69.00 Wash 80 lks. wide, course S.E.
 70.00 ascend. steep bank 20' feet high.
 70.50 Top of bank, enter level mesa
 80.00 Get a Malpais Stone 18x12x10 ins. 12 ins. in the ground for cor. to Townships 19 and 20 S. Ranges 11 and 12 East, marked with 6 notches N, S, E and W. edges, from which

T20 S. R. 12 E - Concluded

A mesquite, 12 ins. diam.
bears N58°E 63 lbs
dist. marked

T19 S. R. 12 E, S. 31. B3

A. mesquite 5' ins. diam.
bears S34³/₄°E, 81 lbs
dist. marked

T20 S. R. 12 E, S. 6. B3

A mesquite 10' ins. diam.
bears S45°W, 53 lbs
dist. marked

T20 S. R. 11 E, S. 10 B3

A mesquite 6 ins. diam.
bears N84°W, 49 lbs. dist.
marked

T19 S. R. 11 E, S. 36. B3

Land level and rolling
Soil, gravelly, 2nd and 3rd rate
Timber, mesquite and tesota
Under growth, mesquite and tesota

Land covered with
dense undergrowth ^{sach.}
March 24. 1901

General Description

This line runs over
mountainous and
rolling land. There
is some good grazing
land along this line.
T. 20 S. R. 11 E is
composed of level,
rolling and mountainous
land; there are a
number of settlers
living in the above
mentioned Tps. The
same should be
subdivided. Philips County
N. S. Deputy Surveyor

See Submissions of
Ep. 20 J. R. 12 C,
for final oaths.

BOOK 1539

U. S. Surveyor-General's Office.

Phoenix, A.T., March 25-1902.

The foregoing Field Notes of the Surveys
of West Boundary of Tp. 20 S,
R. 12 E, -----

Gila and Salt River Meridian in

Arizona, executed by Philip Contzen

----- under his contract No. 78. -----

dated Dec. 26, 1900, having been criti-
cally examined, the necessary corrections
and explanations made, the said Field
Notes and the surveys they describe
are hereby approved.

Nugh H. Lutz

U. S. Surveyor-General for Ariz.