

NORTH-BOUNDARY

T205 R12E

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

1540

1540

BOOK 1540

4-978

FIELD NOTES
GENERAL LAND OFFICE.

1540

BOOK 1540

Field Notes
of the
Survey of the
North Boundary
of
Township 20 South
Range 12 East
of the
Gila and Salt River Basins Meridian
In the
Territory of Arizona
As Surveyed by

Philip Conz in
U. S. Deputy Surveyor
Under his Contract No 78

Dated December 26, 1900.

Survey commenced March 25, 1901.

Survey completed March 27, 1901.

BOOK 1540

See Subdivisions of

Tp. 20 T, R. 12 E,

for preliminary plat

BOOK 1540

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D. 20 L., R. 12 C.

North Boundary of Township 20 S

Chains March 25, 1901.

Examined at the cor to Tps 19 and 20 S, R's 11 and 12 E, which is a malpais stone $3 \times 12 \times 10$ ins above ground, as heretofore described.

Inner Drum

East, on a random line bet Tps 19 and 20 S, R 12 E, and at 482.95 chs intersect E boundary of Tps 140 lbs S of cor to Tps 19 and 20 S, R's 12 and 13 E, as heretofore described. The falling answers to a correction of $0^{\circ}10'$, or 28 lbs. N. and 2.96 chs W. per mile, counting from the N.W. cor. of the T^p March 25 - 1901

March 26, 1901.

S $89^{\circ}50'$ W, on a true line bet sec 1 and 36.

Over Santa Cruz valley, through mesquite timber.

29.50 Cross valley bars N.E; as end.

31.50 Grand dense mesquite and cottonwood

Bangal 12 E - Continued

Chains

and enter scattering mesquite.

40.00 Set a malpais stone 18 x 12 x 8 ins, 12 ins

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

S 36 W N face, from

which a mesquite 4 ins diam, bears N

86 $^{\circ}$ E, 28 lbs dist, marked $\frac{1}{4}$ S 36, B. 57.A mesquite 5 ins diam, bears N 74 $^{\circ}$ EW, 37 lbs dist, marked $\frac{1}{4}$ S 36, B. 57.

58.50 Wash 10 lbs wide, course N. easterly.

80.00 Set a malpais stone 18 x 10 x 8 ins, 12 ins in
the ground, for cor of sees. 35 and 36,

marked with 1 notch on E and 5 notches

on W edges, from which a mesquite 5

ins diam, bears N 40 $^{\circ}$ E, 60 lbs dist,

marked S 19 S, B 12 E, S 36, B. 57.

A mesquite 6 ins diam, bears N 72 $^{\circ}$

W marked S 19 S, B 12 E, S 35 B. 57.

Land, level.

Soil, gravelly, 2 nd rats.

North Boundary of Township 20 S

Chains Timber, mosquito and Cottonwood.
Land covered with dense mosquito and
undergrowth, 31.50 chs

S 89° 50' W, bet sec 2 and 35.
Over level land.

33.80 Nail, bears S. S. E.

40.00 Set a malpais stone, 18x10x8 ins, 12 ins
in the ground for $\frac{1}{4}$ sec cor, marked
 $\frac{1}{4}$ S. 35 on N face — from
which a mosquito 6 ins diam, bears N 79 $\frac{1}{2}$ °
E, 100 lbs dist, marked $\frac{1}{4}$ S 35, B. M.
A mosquito 8 ins diam, bears N 40 $\frac{1}{2}$ °
W, 58 lbs dist, marked $\frac{1}{4}$ S 35, B. M.

80.00 Set a malpais stone 18x10x7 ins, 12 ins
in the ground, for the cor of sec
34 and 35, marked with 2 notches
on E and 4 notches on W edges,
from which a mosquito 14 ins diam,

Range 121 E. - continued

Chain bears $79\frac{1}{2}^{\circ}$ N, 150 lbs dist, marked
Sp 19 S, P 12 E, S 34, B 7.

A mesquite 8 ins diam, bears $77\frac{1}{2}^{\circ}$
E, 27 lbs dist, marked Sp 19, S, P 12 E,
S 35, B 7.

Land level.

Soil, gravelly, 2nd and 3rd rats.

Timber, mesquits.

Dense undergrowth, 30.50 chs

$S 89^{\circ} 50' N$, bet secs 3 and 24.

Over level land; through scattering
mesquits.

7.30 Wash 15 lbs wide, course, southerly

9.80 Enter dense mesquite undergrowth

20.10 Wash 20 lbs wide, course, southerly

41.00 Set a malpais stone 18x10x6 ins, 10 ins
in the ground for $\frac{1}{4}$ sec cor, marked
 $\frac{1}{4}$ S 34 on N face.

North Boundary of Township 20 S

Chains

from which a mesquite 3 ins diam, bears
 N $29\frac{1}{2}^{\circ}$ E, 275 lbs dist, marked $\frac{1}{4}$ S 34, 13.77.

A mesquite 6 ins diam, bears N 34° W,
 51 lbs dist, marked $\frac{1}{4}$ S 34, 13.77.

44.40 Wash 10 lbs wide, course southeasterly

44.60 Road from Preson to Arivaca, bears N.E.

49.80 Wash 200 lbs wide, course southeasterly

52.00 Adobe houses, bear 4 chs S.

60.00 Road from Preson to Arivaca, bears
 N 85° W.

60.50 Enter Sopwi valley

60.80 Nail fence, bears N 70° W.

80.00 Set a malpais stone 18x12x4 ins, 12 ins
 in the ground for cor of sec 3, 4 and 33x34,
 marked with 3 notches on E and 1 notch
 on W edge, from which a mesquite
 6 ins diam, bears N $38\frac{1}{2}^{\circ}$ E, 230 lbs
 dist, marked Sp 19 S, P 12 E, S 34 13.77.

A mesquite 3 ins diam, bears N 102°

Range 19 E - continued

Chains

N, 174 lks dist, marked Sp 19 S, R 12 E.

S 33, B 57.

Land, level,

Soil, gravelly, 2nd rate

Timber, mesquites.

Land covered with dense mesquites
undergrowth, 70.20 chs.

March 26, 1901.

March ²⁷~~26~~ 1901.

S 89° 50' W, bet secs 4 and 33

Over level and rolling land

1.80 Thin fines, bars S 81° W,

2.20 Road from Ineson to Arvica, bars
S. W.

3.00 Ascend and leave Sopori valley

7.00 The old Primmington house, bars 2
Chs S.

8.00 Road, bars N.

9.10 Brush fines, bars N and S

North Boundary of Township 20 S.

Chains and into Sopon's Valley

19.10 River crossed, bears E. S. E.

Left bank Sopon's river

Set a granite stone 18x10x6 ins, 12 ins in the ground, for meander cor of frac sees 4 and 33, marked M.C. on W face with 6 grooves on S face dug a pit 36x36x12 ins 8 ft N of stone and raised a mound of earth 4 ft base, 2 ft high N of cor.

27.00 Left bank Sopon's river.

Set a malpais stone 18x12x8 ins, 12 ins in the ground for meander cor of frac sees 4 and 33, marked M.C. on E face, with 6 grooves on S face from which a hackberry 7 ins diam, bears $N 43^{\circ} W$, 128 lbs list, marked * 14 S 33, M.C. B.T. dug a pit 36x36x12 ins, 8 ft N of

* T 20 S, R 12 E.

Range 12 E - Continued

- Chain
 stone and raised a mound of earth 4
 ft base, 2 ft high N of cor.
 2980 Wash 50 lbs wide, course N easterly.
 3300 Adobe house, bars 10 chs S
 3700 Ascend rocky point
 3800 J. Elias house, bars 10 chs S
 4000 Top, bars N and S.

Set a sandstone 18 x 10 + 8 ins, 12 ins
 in the ground for $\frac{1}{4}$ sec cor, marked
 $\frac{1}{4}$ S 33 on N face

from which a mesquite 6 ins diam,
 bars N 35° E, 121 lbs dist, marked
 $\frac{1}{4}$ S 33 B. 7. no other trees within
 limit, and raised a mound of stone
 2 ft base, $1\frac{1}{2}$ ft high N of cor.

4150 Descend

4400 Foot, and prairie valley

5340 Wash 10 lbs wide, course southerly.
 ascend.

North Boundary of Township 20 S

Chains
 54.00 Top of ridge, bears N and S
 60.50 Brinker Valley
 61.75 Wire fence, bears N and S
 67.75 Wire fence, bears S. W.
 72.00 Grave valley; ascend
 74.00 Descend and enter flat
 78.50 Wash 60 lks wide, course southerly
 80.00 Set a limestone 18+12x10 ins, 12 ins
 in the ground for each of secs 4, 5,
 32 and 33, marked with 4 notches on
 E and 2 notches on W edges, from
 which a mesquite 6 ins diam, bears N
 62° E, 92 lks dist, marked Sp 19 S, B 12 E,
 S 33, B 17.

A mesquite 6 ins diam, bears N 29 1/4° W.
 177 lks dist, marked Sp 19 S, B 12 E, S
 32 B 17.

Land, level and rolling
 Soil, gravelly, 3rd water

Range 12 E - Continued

Chains Land covered with dense mesquite 8.00 chs.

S 89° 50' W, bet secs 5 and 32
Over level and rolling land

- 3.00 Level flat; ascend
9.00 Top and descend
9.60 Wash 10 lbs wide, course southerly
11.10 Ascend and level dense mesquite,
brass E and W.
15.10 Top of ridge and inter scattering
mesquite
20.00 Descend
21.00 Foot
21.10 Wash 15 lbs wide, course southerly
22.00 Ascend
27.50 Descend
28.10 Foot
36.80 Wash 15 lbs wide, course, S. easterly

North Boundary of Township 20 S

Chains 38.30 Road, bars S. E.

40.00 Set a malpais stone 18x12x8 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 6 ins diam, bars $N 28^{\circ} W$, 62 lbs dist, marked $\frac{1}{4}$ S 32, B. 7.

A mesquite 6 ins diam, bars $N 29^{\circ} E$, 134 lbs dist, marked $\frac{1}{4}$ S 32, B. 7.

41.40 Descend

41.80 Enter flat

44.30 Wash 20 lbs wide, course southerly

49.00 Wash 20 lbs wide, course southerly

52.10 Road to mine, bars $N. N. W.$

57.50 Cross flat; ascend

80.00 Set a malpais stone 18x8x4 ins, 12 ins in the ground for cor of sec 6 & 31 marked with 5 notches on E and 1 notch on W edge, from which a mesquite 8 ins diam, bars $N 31\frac{1}{2}^{\circ} W$, 231 lbs

Range 121 E. - Continued

Chains Dist. marked Sp 19 S, R 12 E, S 21, B. 7.

A mosquito & in drain, bars $77\frac{1}{4}^{\circ}$
E, 194 lks dist, marked Sp 19 S, R 13 E,
S 32 B. 7; and raised a mound of
stone 2 ft base, 1 1/2 ft high N. of
Cov. Pits impracticable.

Band, level and rolling
soil, gravelly, 2nd and 3rd rate
timber, scattering mosquito and
terota

S 89⁰⁰ W bet sec 6 and 21

Over ^{level} and rolling land

5.00 Descend and enter flat

28.00 Ascend

29.00 Top; descend

32.00 Wash 20 lks wide, 2000 ft S. westerly;
foot.

34.00 Ascend

North Boundary of Township 20 S.

Chains
4000

Set a granite stone $18 \times 12 \times 10$
ins. 12 ins. in the ground for 4000
^{marked}
14 S. on S face from which a mes-
quite 10 ins. diam, bears $N 39^{\circ} E 15^{\circ} 4'$
the dist, marked 14 S 31, B. 71.

A mesquite 4 ins. diam, bears
 $N 29^{\circ} 14' W 110$ the dist, marked 14
S 6, B. 71. Descend

5400 Enter level land

7210 Walk 10 lbs. wide, course S easterly

8295 The cor. to Sps 19 and 20 S, Pcs 11
and 12 E.

Land, level and rolling

Soil, gravelly; 2nd and 3rd rates

Siber, mesquites and tesota.

March 27, 1901.

General Description

This line runs over level land,

Range 12 E. - Concluded.

skirting the north boundary of the Sopon valley. The soil is principally gravelly, 2^d and 3^d rate. The timber is composed of mesquite on the mesa, and cottonwood, ash and walnut along the Sopon bottom where the line touches. There is a fair growth of nutritious grasses along the line.

The land north of the line is level and rolling with spurs of the Sierra mountains in the northwest.

Philip Couzner
W. S. Deputy Surveyor

The Subdivisions of
Tp 20 S., R. 12 E.,
for final oath.

Boundaries of T. 20 S. R. 12 E.
 Latitudes, Departures and Closing Errors

LINE DESIGNATED	TRUE BEARING	DISTANCE	Latitudes		Departures	
			N	S	E	W
4th Standard S.	West	486.70				486.70
W. Bdy.	North	480.	480.00			
N. Bdy.	N 89° 50' E	482.95	1.40		482.40	
S. C. Guide Mer.	S 0° 28' E	40.55		40.54		
	S 0° 20' E	40.85		40.85		
	S 0° 25' E	79.70		79.70		
	S 0° 36' E	.30		.30		
	S 0° 36' E	80.		79.99		.84
	S 0° 18' E	80.		80.00		.42
	S 0° 33' E	80.		79.90		.70
	S 0° 18' E	80.		80.00		.42
Convergence						
			481.40	481.28	486.46	486.70
			481.28			486.46
				.12	Error in Dep.	.24

Error in Lat. --- .12

Error in Dep. --- .24

U. S. SURVEYOR-GENERAL'S OFFICE,

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

The foregoing Field Notes of the
Surveys of North Boundary of
Tp. 20 S. R. 12 E. -----
Gila and Salt River Meridian in Arizona,
executed by Philip Lutzgen, -----
U. S. Dep. Surveyor, under his contract
ANIMAX No. 78 ----- dated Dec 26, 1900 -----
having been critically examined, the
necessary corrections and explanations
made, the said Field Notes and the
surveys they describe are hereby
approved.

Hugh H. Price

U S Surveyor-General for Ariz.