

12-26-11
NORTH and WEST BDY'S
T. 12, S., R. 26, E.
Contzen, D. S.

1543

1545

BOOK 1545

4-978

FIELD NOTES
GENERAL LAND OFFICE.

Preliminary Oaths of Assistants.

We J. A. Rockefeller
and J. W. Coff

do solemnly swear that we will well and faithfully execute
the duties of Chain Carriers; that we will level the chain over
even and uneven ground, and plumb the tally pins, either by
sticking or dropping the same; that we will report the true dis-
tance to all notable objects, and the true length of all lines that
we assist in measuring, to the best of our skill and ability and
in accordance with instructions given us in the survey of the

Exterior and Sub-
division lines of
T. 12 S. R. 26 E

of the principal base and meridian in the Territory of Arizona.

J. A. Rockefeller Chainman.
J. W. Coff Chainman.

Subscribed and sworn before me, this 4th

day of August 1897

Philip Couzler
Notary Public
U. S. Dep. Sur.
No other available officer

We Abe Hutchins
and C. J. Jackson
do solemnly swear that we will well and truly perform the
the duties of Flagman and
axeman
in the establishment of corners and other duties according to
instructions given us, and to the best of our skill and ability,
in the survey of the Exterior
and Subdivision
lines of T. 12 S. R. 26

of the principal base and meridian in the Territory of Arizona.

Abe Hutchins, Flagman
C. J. Jackson, Axeman

Subscribed and sworn to before me this 4th
day of August 1897

Philip Cortzen
Notary Public
U. S. Deputy Surveyor
No other available officers

Field-Notes
of the survey of the
West and North
boundaries of
Township 12 South
Range 26 East
— of the —
Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
Philip Contzen
U. S. Deputy Surveyor
Under his Contract No. 45
Dated June 14th 1897
Survey commenced, Aug. 4. 1897
Survey completed, Aug. 7. 1897

BOOK 1545

	31	32	33	34	35	36
	41	38	35	33	31	29
1	6	5	4	3	2	1

12 19 7

BOOK 1545

"Index"

T12S, R26E.

13 17 18

24 14 19

North Bdry 27

25 12 30

West " 10

36 10 31

Survey of West boundary
chains

Survey commenced
August 4, 1897 and
executed with a Young
and Sons light
mountain transit No
5609 with a Smith
Solar attachment.
The instrument was
examined, tested on
the true meridian at
Tucson and found correct
and was approved by
the Surveyor General
for Arizona April 30, 1897.
I begin at cor. of
Tps. 12 and 13 S, Rs. 25
and 26 E, which is a
granite stone ^{above ground} 10 x 6 ins. 6 ins.
marked with 6 notches

of T. 12 S. R. 26 E -

Chains

on each edge, the pits being very dim; I dig new pits $24 \times 24 \times 12$ ins, on each line N. E, and W, 4 ft., and S. of stone, 8 ft. dist; and raise a mound of earth, 5 ft. base, $2\frac{1}{2}$ ft. high, S. of cor.

Latitude, $32^{\circ} 20' N.$

Longitude, $109^{\circ} 44' W.$

In order to test the solar apparatus by comparing the results of observations on the sun, made during a. m., and p. m., hours; with a true meridian, determined by observations on the sun, made during

Survey of the West boundary

Chains

a. m. and p. m. hours,
with a true meridian
determined by observations
on Polaris. I proceed as
follows: — At 3^h 10^m
P. M. l. m. t., I set off
32° 20' N. on the lat. arc
and 17° 0' N. on the decl.
arc, and mark the
true meridian, thus
determined ~~with the~~
by a cross on a stone
firmly set in the ground
5 chs. N. of the instrument

At 10^h 29^m P. M. l. m. t.,
I observe Polaris at
eastern elongation, in
accordance with

of T. 12 S. R. 26 E. - Continued

chains

instructions in the manual, and mark the line, thus determined by a tack driven in a wooden plug set in the ground, 5 chs north of my station.

August 4, 1897

August 5th: At 6^h 30^{min} a. m., l. m. t., I lay off the azimuth of Polaris, $1^{\circ} 28'$ to the west and mark the true meridian thus determined by cutting a small groove in stone set yesterday, on which the true meridian falls.

Survey of the West boundary

Chain

0.15 ins., west of the mark determined by the solar.

At 9^h 15^m. A.M. I set off $32^{\circ}20'$ N. on the lat. arc., $16^{\circ}47'$ N. on the decl. arc., and mark the true meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station, this mark falls 0.18 ins. west of the true meridian established by the Polaris observation. The solar apparatus by p.m., and a.m., observations, defines

of T. 2 S. R. 26 E. - Continued

chains

positions for true meridians about 0'8" east and 0'11" west of the meridian established by the Polaris observation, therefore, I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 9h 15^m A.M., is $N 12^{\circ} 15' W$, the angle thus determined reduced by the table on page 100, gives the mean mag. decl. $12^{\circ} 12' E$.

Thence, I run from

- Survey of the West boundary
chains
- cor. of Tps. 12 and 13 S.,
Rs. 25 and 26 E., North,
bet. secs. 31 and 36
Over rolling land
- 20.00 Telegraph line, bears $N 86^{\circ} W.$
and $S. 86^{\circ} E.$
- 20.77 Middle of single track
of the Southern Pacific
Railroad, bears $N 86^{\circ} W. \frac{2}{3}$ of $S 86^{\circ} E.$
- 22.63 Western Union Telegraph line,
bears $N 86^{\circ} W.$ and $S 86^{\circ} E.$
- 25.55 Road, from Willcox,
to Bowie, bears E. and W.
(Junction of roads 3 chs. E.)
- 40.00 Set a granite stone
 $18 \times 8 \times 6$ ins., 12 ins. in the
ground for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on W. face;
dig pits $18 \times 18 \times 12$ ins.,

of T. 12 S. R. 26 E. - Continued

Chains

N. and S. of stone, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

72.15 Old road, bears N.W. ²/₄ of S.E.

80.00 Set granite stone, 16x8x8 ins., 11 ins. in the ground for cor. of secs., 25, 30, 31 and 36, marked

12 S. on N.E.,
26 E. on S.E., and
25 E. on N.W. faces;
with 1 notch on S. and
5 notches on N. edges;
Dig pits 18x18x12 ins.,
in each sec. 5½ ft. dist.,
and raise a mound of
earth 4 ft. base, 2 ft. high

Survey of the West boundary
Chains

W. of cor.

Land rolling

Soil, gravelly loam; 2nd rate.

No timber; undergrowth guinea

North, bet. secs. 25 and 30

Over rolling land

32.00 Descend

39.00 Enter draw, course S.E.

40.00 Set a granite stone 16x8x4
ins., 11 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on W. face; dig pits
18x18x12 ins., N. and S.
of stone 3 ft. dist. and
raise a mound of
earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft
high, W. of cor.

43.00 Leave draw, course S.E.

of T. 12 S. R. 26 E. - Continued

- Chains and ascend
- 58.00 Top of mesa, bears N.W. $\frac{2}{3}$ of 1.2
- 69.20 Ascend ridge
- 73.00 Top, bears N.W. and S.E.; and descend
- 75.00 Foot of descent
- 80.00 Set a sand stone,
 14 x 10 x 10 ins., 9 ins. in
 the ground, for cor. of
 secs. 19, 24, 25 and 30,
 marked,
 12 S. on N.E.,
 26 E. on S.E., and
 25 E. on N.W. faces;
 with 2 notches on S.
 and 4 notches on N.
 edges; dig pits 18 x 18 x 12
 ins., in each sec., 5 $\frac{1}{2}$
 ft. dist; and raise

Survey of the West boundary of
Chains

a mound of earth
4 ft. base, 2 ft. high.
W. of cor.

Land, rolling

Soil, loam; 2nd rate.

No timber; under growth
scattering yucca

North, bet., secs. 19^{2d} & 24
Over rolling land

12.00 Ascend

23.00 Top, bears N.W. and S.E.;
descend

29.50 Enter draw, course S.E.

31.60 Dry wash, 7 lks. wide, course S.E.

39.00 Leave draw, and ascend

40.00 Set a granite stone,
13 x 10 x 5 ins., 8 ins. in
the ground for $\frac{1}{4}$ sec.

T. 12 S. R. 26 E - Continued

Chains

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

54.00 Top of ascent, bears N. W. $\frac{3}{4}$ E.

58.00 Descend

60.00 Enter draw, course E.

61.00 Ascend and leave draw.

63.00 Top, bears E. and W.

65.00 Descend

66.00 Enter draw, course S. E.

66.50 Leave draw, and ascend

68.00 Top, bears N. W. and S. E.,
 descend

70.50 Enter draw, course E.

71.00 Leave draw, and ascend

Survey of the West boundary

Chains

- 74.00 Top, bears E. and W., and descend
- 77.00 Foot of descent
- 78.20 Dry wash, 4 lks. wide, course W.
- 79.00 Ascend along E. Slope of ridge
- 80.00 Set a granite stone 16 x 8 x 6 ins., 11 ins. in the ground for cor. of secs. 13, 18, 19 and 24, marked 12 S., on N.E., 26 E., on S.E., and 25 E., on N.W. faces; with 3 notches on S. and E. edges; and raise a mound of stone 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable

of T. 12 S. R. 26 E. - Continued

Chains

Land rolling

Soil, loam; 2nd and 3rd rate

No timber; undergrowth

some catsclaw^{2d} and mesquite

North, bet. sees. 13 and 18

Over rolling land

3.00 Top of slope; descend

5.00 Enter small valley,
course S. E.

27.00 Leave valley, and ascend

40.00 Set a malpais stone

16 x 12 x 10 ins., for 1/4

sec. cor., marked

4 on W. face; dig

pits 18 x 18 x 12 ins., N.

and S. of stone 3 ft.

dist.; and raise a

mound of earth 3 1/2

Survey of the West boundary of
 chains ft., base, $1\frac{1}{2}$ ft. high,
 W. of cor.

40.50 Top of ascent, bears
 N. W. and S. E.

48.00 Descend

53.00 Enter draw, course S. E.

54.00 Leave draw, and ascend

57.00 Top of ascent, bears N. W.
 and S. E., and descend

58.00 Enter valley, course West

64.80 Dry wash, 5 lks. wide, course W.

65.00 Ascend

75.00 Top of ascent, bears N. W. $\frac{3}{4}$ S. E.

78.00 Draw, course S. E.

80.00 Set as map pair, ^{stone} $16 \times 8 \times 8$

ins., 11 ins. in the ground
 for cor. of secs. 7, 12, 13 ^{2d} of 18,
 marked

12 S. on N. E.,

T. 12 S. R. 26 E. - Continued

Chains

26 E. on S.E., and
 25 E. on N.W. faces; with
 4 notches on S. and 2
 notches on N. edges; and
 raise a mound of stone
 2½ ft. base, 1½ ft. high,
 W. of cor. Pits impracticable
 Land, rolling
 Soil, loam, 2nd and 3rd rate
 No timber, undergrowth,
 some catsclaw and mesquite

North, bet. secs. 7 and 12

Over rolling land

2.00 Dry wash, 3 lks. wide, course S.E.

3.00 Ascend

6.00 Top of ascent; bears N.W. $\frac{3}{4}$ S.E.;
descend

9.00 Enter draw, course S.E.

Survey of the West boundary of

Chains	
13.00	Dry wash, 50 lbs. wide, course S. E.
15.00	Leave draw, and ascend
29.00	Top, bears E. and W.
31.00	Descend
34.00	Enter draw, course E.
35.00	Ascend, and leave draw.
36.50	Top, bears E. and W.
39.00	Descend
40.00	Set a malpais stone, $14 \times 8 \times 6$ ins., 9 ins., in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
40.20	Foot of descent and dry wash 4 lbs. wide, course E.
41.00	Ascend
42.50	Top, bears N. W. and S. E. <small>and descend</small>
43.00	Foot of descent

T. 12 S. R. 26 E. - Continued

Chains

- 43.50 Dry wash, 3 lks. wide,
course S. S. E.
- 44.00 Ascend
- 49.00 Top, bears N. W. and S. E.,
and descend
- 55.00 Enter valley, course S. E.
- 57.35 Dry wash, 10 lks. wide, course
Easterly
- 62.10 Dry wash, 20 lks. wide, course
S. E.
- 63.00 Enter mesquite and
catsclaw undergrowth,
bears N. and S.
- 74.50 Enter dry bed of Pinaleno
Creek, course S. S. E.
- 79.00 Leave dry bed of Pinaleno
Creek, course S. S. E.
- 80.00 Cor. pt. of secs. 1, 6, 7 ³/₁₂
- 90.00 Set a sand stone

Survey of the West boundary of
Chains

16 x 10 x 8 ins., 11 ins. in the
ground for witness cor.
of secs. 1, 6, 7 and 12,
marked

W. C. 12 S., on N. E.,
26 E., on S. E. and
25 E., on N. W. faces, with
5 notches on S. and
1 notch on N. edges; dig
4 pits 18 x 18 x 12 ins., 5 1/2 ft.
dist. and raise a mound
of earth 4 ft. base, 2 ft.
high, W. of cor.

Land rolling.

Soil, gravelly loam, 2nd & 3rd rate
No timber, undergrowth,
mesquite and catclaw.

From true cor. point of

T. 12 S. R. 26 E. - Continued

- Chains
- secs. 1, 6, 7 and 12, I
run North, bet. secs 1²/₆
- Through mesquite and
cats claw under growth,
- 2.00 Enter dry wash, course S. 4. W.
- 5.00 Leave dry wash, course S. S. W.
- 7.00 Dry wash, 7 lks. wide, course N. W.
- 9.00 Leave mesquite and
cats claw under growth,
bearsh. W and S. E.
- 10.00 Witness cor. of secs.
1, 6, 7 and 12, as heretofore
described.
- 25.60 Gulch, 5 lks. wide, course N.
- 30.00 Leave valley and ascend
Pinaleno Mountains.
- 31.37 Gulch, 10 lks. wide, course S. W.
- 40.00 Set a malpais stone
16 x 12 x 6 ins., 11 ins. in the

Survey of the West boundary of
 chains

- Ground for $\frac{1}{4}$ sec. cor.,
 marked $\frac{1}{4}$ on W. face;
 and raise a mound of
 stone $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, W. of cor. Pits impracticable.
- 43.00 Top of ridge, bears E. and W.
 and descend
- 45.00 Foot of ridge
- 51.00 Ascend
- 61.00 Top, bears N.W. and S.E.;
 descend
- 70.00 Foot of descent, and
 enter cañon, course S.E.
- 70.50 Dry wash, 50 lbs. wide,
 course S.E. thence S.
- 71.00 Leave cañon, and ascend
 West slope of mountain.
- 80.00 Set a granite stone
 $18 \times 12 \times 10$ ins., 12 ins. in

T. 12 S. R. 26 E. - Concluded

Plains

the ground, for cor.
of Tps. 11 and 12 S. Rs.
25 and 26 E., marked
with 6 notches on each
edge; and raise
a mound of stone
3 ft. base, 2 ft. high
W. of cor. Pits impracticable
A cedar 18 ins. diam.,
bears $S 71\frac{1}{2}^{\circ} W.$, 3.37 chs.,
dist. marked -

T. 12 S. R. 25 E. S. 1. B. T.

No other trees near.

Land, rolling and mountainous
Soil, gravelly loam, and stony,
3^d and 4th rate

No timber; undergrowth
mesquite and catclaw.
Mountainous land, 50 chs.

August 5. 1897

General Description

T. 12 S. R. 25 E. is mostly
gently rolling land,
covered with an abundance
of grass; the land is
of a good quality. This
township, should be
subdivided.

Philip Coutzen
U. S. Dep. Sur.

Survey of the North boundary of T. 12 S. R. 26 E

August 6. 1897: At
8^h 15^m. A. M., l. m. t.,
I set off $32^{\circ}25'$ N. on
the lat. arc, and $16^{\circ}33'$ N.,
on the decl. arc, and
determine a true
meridian, with the
solar, at cor. of Tps.
11 and 12 S. Rs. 25 and 26 E
as heretofore described.
Thence, I run
East, on a random
line, along the North
boundary of T. 12 S. R. 26 E.,
setting temp^s $\frac{1}{4}$ sec. cor.
and sec. cor., at intervals
of 40 chs. and at 477.20 chs.
intersect E. bdy. of
Tps. 2.70 chs. N. of cor.

Survey of the North boundary of
 Chain

of Tps. 11 and 12 S., Rs.
 26 and 27 E., which
 is a decayed post,
 lying on the ground;
 I destroy the old cor.
 and reestablish the
 same in the original
 position, as follows:
 Set a malpais stone
 16x12x10 ins., 11 ins in
 the ground, for cor. of
 Tps. 11 and 12 S., Rs. 26
 and 27 E., marked
 11 S. on N.E.,
 27 E. on S.E.,
 12 S. on S.W., and
 26 E. on N.W. faces; with
 6 notches on each edge;
 and raise a mound of

T. 12 S. R. 26 E. - Continued

Chains

stone, 3 ft. base, $2\frac{1}{2}$ ft high, N. of cor.

The falling answers to a correction of $0^{\circ}19'$, or 45 lbs. S. per mile, counting from the N.W. cor. of the Twp., therefore, I ran

$N 89^{\circ}41' W.$, bet. secs 1 ^{and} 36 - Over rolling land

39.00

Set a granite stone $18 \times 12 \times 10$ ins., 12 ins. in the ground for witness cor. of $\frac{1}{4}$ sec. cor., marked N.C. $\frac{1}{4}$ on N. face; and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ high, N. of cor.
Pits impracticable

Survey of the North boundary

Chains

- 39.60 Enter dry wash, course S.E.
- 40.00 Point for $\frac{1}{4}$ sec. cor falls
in wash
- 42.60 Leave dry wash, course S.E.
- 54.80 Dry wash, 10 lks. wide, course N.
- 52.00 Ascend
- 59.00 Top, bears N. and S.; descend
- 77.40 Ravine, 4 lks. wide, course N
and ascend
- 80.00 Set a malpais stone
18x10x8 ins., 12 ins. in the
ground for cor. of secs
1, 2, 35 and 36, marked
11 S. on N.E.,
26 E. on S.E., and
12 S. on S.W. faces;
with 1 notch on E. and
5 notches on W. edges,
and raise a mound

of T. 12 S. R. 26 E. - Continued

Chains

of stone, 2½ ft. base,
 1½ ft. high, W. of cor.
 Pits impracticable
 Land, rolling
 Soil, gravelly ^{and} stony;
 4th rate
 No timber

N 89° 41' W., bet. secs 2 ^{and} 35

Over rolling land;
 ascending

4.00 Top of ascent, bears N. W. ^{and} E. ^{and} S. ^{and} E.
 and descend

13.00 Foot of descent

14.00 Dry wash, 10 fks. wide, course N. E.

15.00 Ascend

26.00 Top, bears N. W. and S. E.,
 and descend

36.00 Foot of descent

Survey of the West boundary

Chains

39.10 Dry wash, 5 lks. wide, course N.E.
and ascend

40.00 Set a malpais stone
16 x 8 x 8 ins., 11 ins. in the
ground for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on N. face;
and raise a mound of
stone 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high
N. of cor.

53.00 Top of ascent; bears
N.W. and S.E. and descend

62.00 Foot of descent

80.00 Set a malpais stone,
16 x 12 x 8 ins., 11 ins. in the
ground for cor. of secs.
2, 3, 34 and 35, marked
11 S. on N.E.,
26 E. on S.E., and
12 S. on S.W. faces; with

of T. 12 S. R. 26 E. Continued

Chains

2 notches on E. and 4 notches on W. edges; dig pits 18 x 18 x 12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling

Soil, gravelly loam; 3rd rate
No timber; undergrowth scattering catsclaw and yucca.

N 89° 41' W., bet. secs. 3rd & 34

Over rolling land

21.50 Drywash, 5 lks. wide, course N. W.

24.00 Ascend

27.20 Tops of ascent, bears N. W. and S. E., and descend

North

Survey of the West boundary

Chains

- 40.00 Set a malpais stone
 $20 \times 12 \times 5$ ins., 16 ins. in
 the ground for $\frac{1}{4}$ sec.
 cor., marked $\frac{1}{4}$ on N.
 face, and raise a mound
 of stone $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, N. of cor. Pits
 impracticable
- 42.00 Foot of descent; dry
 wash, 9 lks. wide, course
 S. E.
- 44.50 Dry wash, 10 lks. wide,
 course S. E., and ascend
- 54.00 Top, bears N. W. and S. E.;
 thence along N. Slope
 of ridge
- 80.00 Set a malpais stone,
 $16 \times 10 \times 8$ ins., 11 ins. in
 the ground, for cor. of

of T. 12 S. R. 26 E. - Continued

Chains

secs. 3, 4, 33 and 34,
marked

11 S. on N. E.,
26 E. on S. E., and
12 S. on S. W. faces; with
3 notches on E. and W.
edges; and raise a
mound of stone, $2\frac{1}{2}$
ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. (its impracticable
Land, rolling
Soil, gravelly; 2nd rate
No timber; undergrowth
cats claw and yucca

N 89° 41' W, bet. secs. 4^{3/4} / 33.

Over rolling land

Ascending

350 Top, bears N. Westerly $\frac{3}{4}$ S. Easterly

Survey of the North boundary

Chains

- thence along slope of
ridge
- 21.00 Gulch, 4 lks. wide, course S.
- 29.80 Ravine, 3 lks. wide, course S.
- 27.40 Ravine, 3 lks. wide, course S.
- 28.00 Gulch, 3 lks. wide, course S.
- 29.00 Gulch, 3 lks. wide, course S.
- 31.60 Gulch, 3 lks. wide, course S.
and foot of slope
- 34.20 Dry wash, 30 lks. wide,
course S.E.
- 35.40 Ascend
- 40.00 Set a malpais stone
15 x 8 x 6 ins., 12 ins. in
the ground for $\frac{1}{4}$ sec.
cor., marked $\frac{1}{4}$ on
N. face; and raise a
mound of stone 2 $\frac{1}{2}$ ft
base, 1 $\frac{1}{2}$ ft. high, N. of cor.

of T. 12 S. R. 26 E. - Continued

Chains

- 44.50 Top of ascent, bears
N. N. W. and S. S. E. and
descend
- 60.50 Foot of descent
- 60.90 Dry wash, 40 lks. wide,
course S.
- 61.00 Ascend
- 64.00 Top of ascent, bears N. N. W.
and descend
- 65.50 Foot of descent
- 66.80 Enter dry bed of creek
course S. S. E.
- 68.70 Leave dry bed of creek,
course S. S. E.
- 75.00 Dry wash, 10 lks. wide,
course S. S. E. and ascend
- 80.00 Set a malpais stone
16 x 10 x 7, ins., 11 ins. in
the ground for cor. of

Survey of the North boundary

Chains

secs. 4, 5, 32 and 33,
marked

11 S. on N. E.,

26 E. on S. E., and

12 S. on S. W. faces; with

4 notches on E. and 2
notches on W. edges;

and raise a mound
of stone, $2\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable

Land rolling
soil gravelly loam, 3rd rate
No timber, undergrowth
scattering catsclaw.

789041' W. bet. secs. ~~32~~³¹ and 32

Ascending

7.00 Top of ascent; bears N. W. $\frac{1}{2}$ of S. E.
and descend

of T. 12 S. R. 26 E. - Continued

Chain

- 15.00 Foot of descent
- 16.50 Road, from Wilcox
to Solomonville, bears
N. and S
- 16.90 Dry wash, 20 lks. wide,
course S. E., and ascend
- 39.10 Gulch, 26 lks. wide, course
N. Easterly
- 40.00 Set porphyry stone
12x10x7 ins., 8 ins. in
the ground for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on N. face,
and raise a mound
of stone, 2 $\frac{1}{2}$ ft. base,
1 $\frac{1}{2}$ ft. high, N. of cor.
- 49.50 Top of slope, bears N.
- 65.00 Descend
- 72.00 Foot of descent; and
ascend

Survey of the North boundary

Chains

76.00 Top of ridge, bears N. ²/₃ of S

80.00 Set a malpais stone
16 x 10 x 8 ins., 11 ins. in
the ground for cor. of
secs. 5, 6, 31 and 32,
marked

11 S. on N. E.,

26 E. on S. E., and

12 S. on S. W. faces, with
5 notches on E. and
1 notch on W. edges;

and raise a mound of
stone, 2 ¹/₂ ft. base, 1 ¹/₂
ft. high, W. of cor.

Land, mountainous
Soil, gravelly ²/_{nd} stony;
2nd and 4th rate

No timber; undergrowth
scattering catclaw and ^{grass}
Mountainous land rocks.

of T. 12 S. R. 26 E. - Continued

Chains

- N 89° 41' W., bet. secs. 6²/₃ & 31
 Over mountainous land
 descending along
 S. Slope of high ridge
 9.50 Foot of descent, and
 ascend
 14.50 Top of ridge, bears N. W. ²/₃ & 1. E
 and descend
 21.00 Foot of descent
 21.40 Gulch, 15 lks. wide, course S. E.,
 ascend
 22.00 Top, bears N. and S.
 34.00 Descend
 40.00 Set a malpais stone
 18 x 8 x 8 ins., 12 ins., in
 the ground for ¹/₄ sec
 cor. marked ¹/₄ on
 N. face; and raise
 a mound of stone

Survey of the North boundary

Chains

- 2 1/2 ft. base, 1 1/2 ft. high
N. of cor. Pits impracticable
- 47.00 Foot of descent, and
ascend
- 52.00 Malpais bluff 50 ft. high,
2 chs. N. of line
- 52.50 Top of ascent, and
descend
- 60.00 Foot of descent and
enter cañon, course S.
- 60.50 Leave cañon and ascend
- 69.00 Top of ascent; bears N 3/4 S.
- 77.20 The cor. of Tps. 11 and 12,
Rs. 25 and 26 E., as
heretofore described.
Land, mountainous
Soil, stony; worthless
No timber; undergrowth
scattering catsclaw and yucca

of T. 12 S. R. 26 E. - Concluded

chain Mountainous land 77 rods.

General Description

T. 11 S. R. 26 E., is mostly high rolling table land, covered with an abundance growth of grass. The land is only valuable for grazing purposes.

Philip Coutzen

U. S. Deputy Surveyor

August 7, 1897

Note: For table of latitudes, departures and closing errors, see page. 44.

Boundaries of T. 12 S. R. 26 E.
 Latitudes, Departures and Closing errors.

Line designated	True bearing	Distances	Latitudes		Departures	
			N.	S.	E.	W.
N. edge T. 12 S. R. 26 E.	N 89° 05' W.	477.00	.69	---	---	477.00
W. edge T. 12 S. R. 26 E.	North	480.00	480.00	---	---	---
N. edge T. 12 S. R. 26 E.	S 89° 04' E.	477.20	---	---	477.20	---
E. edge T. 12 S. R. 26 E.	S 00° 5' W.	478.11	---	478.11	---	.69
Convergency	---	---	---	2.65	0.46	---
Totals	---	---	480.69	480.76	477.66	477.69
Error in lat.	---	---	---	0.07	Error in dep.	0.03

For Surveyor General's
Certificate of Approval of
field notes see close
of subdivisions of
T 12. S. R. 26 E.

BOOK 1545
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GEN'L,

TUCSON, ARIZONA, *May* ¹⁸⁹⁹ 20th, 1899 ~~1897~~.

The foregoing field notes of the survey

The North and West Boundaries

T. R. S. R. 26 E.

The Gila & Salt River Meridian

executed by *Philip Contzen*

under his contract No. 45, dated *6/14*, 1897.

Having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George Christ
U. S. Surveyor General for Arizona.