Subdivisions
T 20 N. R. 4 E.

Secor.

~~Bk. 1~~

BOOK 348

No-348

4-671

FIELD NOTES
GENERAL LAND OFFICE.

No-348

348

BOOK 348

No-348

Field Notes
of the survey of the
Subdivision lines.
of
Township No. 20 North.
Range No. 4 East.
of the
Gila and Salt River.
Base and Meridian
in the
Territory of Arizona
as surveyed by.
W. Oscar Secor.
U. S. Deputy Surveyor.
Under his contract No. 102.
Dated June 30th, 1902.

Survey commenced Apr. 4th, 1904.
Survey completed May 4th, 1904.

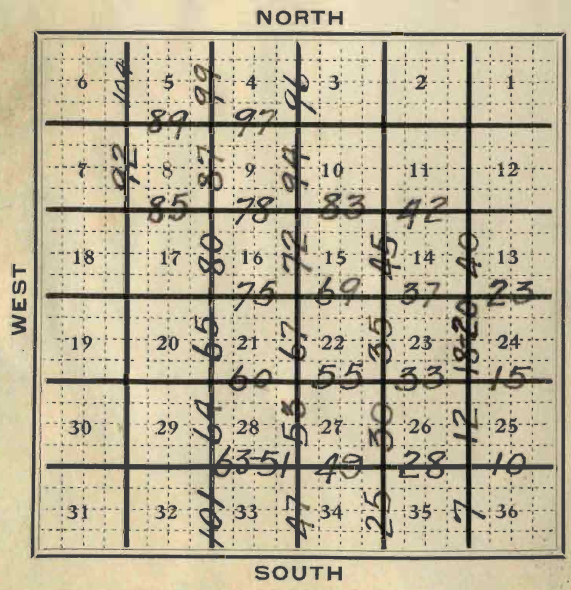
Names and duties of assista

K. K. Yard Chainm
F. M. Lockwood Chain
Glenn Morgan Mound
C. J. Schwartz Ama
Norman Coote Flagm

Index for Books 348 and 349

Township ..... Range .....

BOOK 348 ..... County, ...



2A

PRELI

3

We, H. K

and F. M.

do solemnly swear t

chainmen; that we

and plumb the tally

we will report the tr

of all lines that we a

and in accordance

Subdivis

Township

Correcti

of the Gila and Sa

Arizona.

S

F.

Subscribed and sw

of Marc

[SEAL.]

PRELIMINARY OATHS OF ASSISTANTS.

We, N. K. Ward

and F. M. Lockwood

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance 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 Subdivision lines of fractional Township No. 20 N. R. 4 E. and Correction in Tp. 19 N. R. 3 E.

BOOK 348

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

N. K. Ward, Chainman.

F. M. Lockwood, Chainman.

, Chainman.

, Chainman.

Subscribed and sworn to before me this 25th day of March, 1904.

[SEAL.] Wm Johnston Notary Public.

We, [illegible]

and C. J. Schwartz. 3

do solemnly swear that we will well and truly perform the duties of flagman and axmen, in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the Subdivision lines of Fractional Township No. 20 N. R. 4 E. and corrections in Tp. 19 N. R. 3 E.

BOOK 348

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

Norman Coote, Flagman.

C. J. Schwartz, Axman.

, Axman.

, Axman.

Subscribed and sworn to before me this 25th day of March, 1904

Geo. Johnson

Notary Public.

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Subdivisions of

Survey commenced April 4th, 1904, and executed with a Buff and Berger engineers transit with Seagmuller Solar attachment. This transit is numbered 672; the horizontal limb having two double verniers placed opposite to each other, and reading to 30" of arc.

The instrument was examined and approved by the Surveyor General of Arizona at Phoenix, Arizona.

At my camp near the cor. of secs. 25, 26, 35 and 36, T. 20 N., R. 4 E. in lat. 35° 04' N., long. 111° 53' 43" W. I set off 5° 46' N. on the decl. arc; and at noon observed the sun on the meridian, the

Tp. 20 N. R. 4 E.

resulting lat. is 35° 04' N.

At 3 h. p. m., l. m. t. I set off 5° 49' N. on the decl. arc; 35° 04' N. on the lat. arc, and determine a true meridian with the polar, and mark the line thus determined on a stake driven in the ground about 8 chs. N. of my station.

I allow my instrument to remain at this point, and at 6h 28m p. m. l. m. t. I observe Polaris at Western elongation in accordance with instructions in the manual, and mark the line thus determined by a tack driven in a stake about 8 chs. N. of my station.

I lay off the azimuth of Polaris

1° 28' to the east, and mark the true meridian thus determined on a stake firmly set in the ground. This point falls 0.5 ins west of the point determined by the solar.

Apr. 4th 1904.

Apr. 5th, at 9h a.m, l.m.t. I set off 6° 07' N. on the decl. arc; 35° 04' N. on the lat. arc. and determine a true meridian with the polar, and mark the line thus determined on a stake set in the ground at about 8 chs. N. of my station.

This line falls 0.3 ins. E. of the meridian determined from the Polaris observation.

I therefore conclude that the adjustments of my instrument are satisfactory.

The magnetic bearing of the true meridian is N. 14° W.; the angle thus determined gives the magnetic decl. 14° E.

Apr. 5th 1904.

Apr. 6th at 7h a.m. l.m.t. I set off 6° 27'. 30" N. on the decl. arc; 35° 03' N. on the lat. arc; and determine a true meridian with the solar at the cor. of secs. 35 and 36, (as described by the Surv. Gen'l) on the S. bdy. of Tp. 20 N. R. 4 E.

Thence I run.

N. 0° 14' W. secs. 35 and 36.

Over mountainous lands.

Through dense brush and pine timber.

15.32 Edge of rim of mesa bears E. and W. Descend abruptly.

40.00 Set a malpais 18 x 18 x 6 ins in a md. of stone for 1/4 sec. cor. marked 1/4 on W. face, from which a pine 30 ins. diam. bears N. 28° W. 35 lks. dist. marked 1/4 S. 35 B. T.
A pine 15 ins. diam. bears S. 36° E. 49 lks. dist. marked 1/4 S. 36 B. T.

56.00 Bottom of canon, course from S. E. to W.

80.00 Set a. malpais 18 x 12 x 6 ins in a md. of stone for cor. of secs. 25, 26, 35 and 36.

marked with ms notch on
S. and E. edges. from which
A pine 24 ins diam. bears.
N. 21° W. 115 lks. dist. marked
T. 20 N. R. 4 E. S. 26. B. T.
No other trees in distance.
Build a md. of stone 2½ ft.
base 1½ ft. high. N. of cor.
Pits impracticable.
Land mountainous 80.00 chs.
Dense pine 80.00 chs.
Dense brush 80.00 chs.
Soil rocky. 4th rate.

Subdivisions of

E. on a true line bet. secs. 25 and 36.
Over mountainous lands
Through dense pine timber and oak brush.

40.00 Set a malpais 16 x 12 x 10 ins in a md. of stone for 1/4 sec. cor. marked 1/4 on N. face from which
A pine 14 ins. diam. bears N. 51° W. 82 lks. dist. marked 1/4 S. 25 B. T.
A pine 26 ins. diam. bears S. 20° E. 58 lks. dist. marked 1/4 S. 36 B. T.

74.25 Gulch, course N.

78.61 Intersect E. bdy. of Tp. 441 lks. S. 0° 48' E. of cor. of secs. 25, 30, 31, and 36, the

Tp. 20 N. R. 4 E.

markings of which I change to refer to E. secs. only.
Set a malpais 24 x 20 x 8 ins. in a md. of stone for. c. c. of secs. 25 and 36. marked with 1 notch on S. and 5 notches on N. edges, with c. c. on W. face from which
A pine 18 ins. diam. bears S. 52° W. 68 lks. dist. marked T. 20 N. R. 4 E. S. 36 c. c. B. T.
A pine 30 ins. diam. bears N. 64° 30' W. 78 lks. dist. marked T. 20 N. R. 4 E. S. 25 c. c. B. T.
Land mountainous 78.61 chs.
Dense pines 78.61 chs.
Dense brush 78.61 chs.
Soil rocky 4th rate.

April 6th, 1904.

Subdivisions of

April 7th: at 7h a.m, l.m.t.
I set off 6°50' N. on the decl. arc;
35°04' N. on the lat arc; and
determine a true meridian with
the polar, at the cor. of secs. 25, 26,
35, and 36, thence I run.
N. 0°1' W. bet. secs. 25 and 26.
Over mountainous lands
Through dense pines, oaks,
and oak brush, ascending
1.25 Top of rim of mesa bears
N. W. and E.
29.90 Edge of rim of mesa, bears
S W. and S E. Descend abruptly
40.00 Set a malpais 18 x 12 x 6 ins.
in a md. of stone for 1/4
sec. cor. marked 1/4 on W. face.
from which
An oak 10 ins. diam. bears.

Tp. 20 N. R. 4 E.

S. 45° E. 4 lks. dist. marked.
1/4 S. 25 B. T.
An oak. 8 ins. diam. bears
N. 40° W. 4 lks. dist. marked.
1/4 S. 26 B. T.

45.36 Descend abruptly to canon.

53.00 Bottom of canon 1000 ft. deep. course N., at 10 chs. N. turns S. N. Ascend abruptly.

73.80 Top of point of slope of mesa.

80.00 Set a sandstone 30 x 12 x 5 ins in a md. of stone for cor. of secs. 25, and 26, marked with 1 notch on E. and 2 notches on S. edges.
From which
A juniper 24 ins. diam. bears
S. 18° W. 10 lks. dist. marked.

BOOK 348

14

Subdivisions of

T. 20 N. R. 4 E. S. 26 B. T.

A pinion 5 ins diam. bears.
S. 18° E, 49 lks. dist. marked
T. 20 N. R. 4 E. S. 25 B. T.
Land mountainous 80.00 chs.
Dense pine and oak 80.00 chs.
Dense oak brush 80.00 chs.
Soil rocky. 4th rate.

Tp. 20 N. R. 4 E.

E. on a true line bet. secs. 24 and 25
Over mountainous land.
ascending point of slope.
Through dense brush.

19.50 Top of mesa, bears N. and S. W.

33.30 Edge of bluff of gulch, bears N. and S.

39.00 Bottom of gulch course N. ascend.

40.00 Set a malpais 18 x 12 x 6 ins in a md. of stone for 1/4 sec. cor. marked 1/4 on N. face. from which.
A pine 7 ins. diam. bears N. 20° E. 45 lks. dist. marked. 1/4 S. 24 B. T.
An oak 8 ins. diam. bears S. 11° E. 44 lks. dist. marked

1/4 S. 25 B. T.

77.98 Intersect E. bdy. of Tp. 444 lks S. of cor. of secs. 19, 24, 25 and 30, as described by the Surveyor General, the markings of which I change to refer to E. secs. only.

Set a malpais 16 x 12 x 6 ins. in a md. of stone for. C. C. of secs. 24 and 25 marked with 2 notches on S. and 4 notches on N. edges, with C. C. on W. face, from which A pine 30 ins diam. bears S. 17° W. 42 lks. dist. marked T. 20 N. R. 4 E. S. 25 C. C. B. T. A pine 22 ins. diam. bears N. 66° W. 41 lks. dist. marked

T. 20 N. R. 4 E. S. 24, C. C. B. T.
Land mountainous 77.98 Chs.
Dense brush 40.00 Chs.
Dense pines 37.98 Chs.
Soil rocky. 4th rate.
Apr. 7th, 1904

Subdivisions of

April 8th: At 7h a.m. l.m.t. I set off 7° 13' 00" N. on the decl. arc; 35° 05' N. on the lat. arc; and determine a true meridian with the solar, at the 1/4 sec. cor. bet. secs. 23 and 24, which is a decayed stake. I reestablish as follows.

Set a malpais 18 x 12 x 6 ins. in a md. of stone for 1/4 sec. cor. marked 1/4 on N. face. from which

A juniper 16 ins. diam. bears S. 75° W. 46 lks. dist. marked 1/4 S. 23 B. T.

A juniper 18 ins. diam. bears S. 56° E. 113 lks. dist. marked 1/4 S. 24 B. T.

Thence I run.

S. 0° 1' E. on a true line bet.

Tp. 20 N. R. 4 E.

secs. 23 and 24.
Over mountainous land
Through dense brush.
7.14 Edge of rim of mesa, bears
E. and N. Descend abruptly.
23.00 Bottom of canon, 1000 ft.
deep, course S. W., Ascend
39.71 Intersect E. and N. line
535 lks. E. of cor. of secs.
25 and 26.
Set a malpais 16 x 14 x 10 ins.
in a md. of stone for C. C.
of secs. 23 and 24, marked
with 1 notch on E. and two
notches on S. edges, and
C. C. on N. face,
from which
An oak 8 ins. diam. bears
N. 25° E. 30 lks. dist. marked

T. 20 N. R. 4 E. S. 24 C. C. B. J
No other trees in distance.
Build a md. of stone 2½
ft. base 1½ ft. high N. of
cor. Pits impracticable.
Thence I return to the
¼ sec. cor. bet. secs. 23 and
24, and run
N. bet. secs. 23 and 24
Over rolling mesa.
Through dense oak brush
and pine and oak timber.
40.00 The cor. of secs. 13, 14, 23
and 24, a decayed stake
in a md. of stone, bears
N. 19 lks. which makes
the bearing and length
of this ½ mile N. 0° 16' W
40.00 chs.

I rebuild this cor. as follows, using same witness trees.
Set a malpais 18 x 12 x 4 ins. in a md. of stone for cor. of secs. 13, 14, 23 and 24 marked with 1 notch on E. and 3 notches on S. edges.
from which.
Dead pine 18 ins. diam. bears S. 15° W. 93 lks. dist. marked T. 20 N. R. 4 E. S. 23 B. T.
Oak. 8 ins. diam. bears N. 48° W. 55 lks. dist. marked T. 20 N. R. 4 E. S. 14 B. T.
An oak 12 ins. diam. bears S. 41° E. 104 lks. dist. Marked T. 20 N. R. 4 E. S. 24 B. T.
Twin pines 45 ins. diam. bears

Subdivisions of

N. 86° E. 92 lks. dist. marked
T. 29 N. R. 4 E. S. 13 B. T.
Land mountainous 79.71 Chs
Brush brush 79.71 Chs
Soil rocky, 4th rate.

Tp. 20 N. R. 4 E.

E. bet. secs. 13 and 24.

27.12. 1/4 sec. cor., a decayed stake in a md. of stone with 2 witness trees.

I reestablish this cor. as follows:

Set a malpais 20x14x4 ins. in a md. of stone for 1/4 sec. cor., marked 1/4 on N face, from which

A pine 30 ins. diam. bears S. 42° W. 92 lks. dist. marked 1/4 S. 2 4 B. T.

A pine 30 ins. diam. bears N. 46° W. 27 lks. dist. marked 1/4 S. 13 B. T.

The bearing and length of this 1/2 mile is E. 27.12 ~~27.00~~ chs.

Thence I run.

East.

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24

Subdivisions of

0.15 Edge of bluff of canon, 400 ft. deep, bears N. 30° W. and S. 30° E. Descend abruptly.

6.00 Bottom of canon, course S. 30° E., ascend.

12.50 Top of bluff E. side canon bears N. 30° W. and S. 30° E.

47.45 Intersect E. bdy. Tp. 710 lks. S. of cor. of secs. 13, 18, 19 and 24.

The bearing and length of this ½ mile is N. 81° 30' E. 47.97 chs. ~~75.09~~ 79.09

Land mountainous ~~75.14~~ chs

Dense brush ~~75.14~~ 79.09 chs.

Soil rocky. 4th rate.

April 8th, 1904.

Tp. 20 N. R. 4 E.

April 9th; at 7h a.m., l.m.t.
I set off 7° 35' N. on the decl. arc,
35° 23' N. on the lat arc, and deter-
mine a true meridian with the
solar at the cor. of secs. 34 and 35
on the S. bdy of Tp. as described by the
Surv. Genl.
Thence S. run.
N. 0° 01' W. Set secs. 34 and 35
Over mountainous land.
Through dense brush.
Ascending.
1.75 Top of point of slope.
Descend steep slope diagonally.
40.00 Set a sandstone 22 x 10 x 6 ins
in a md. of stone for 1/4 sec.
cor. marked 1/4 on W. face
from which
A pinion 6 ins. diam. bears
N. 21° W. 53 lks. dist. marked

1/4 S. 34 B. T.
No other trees in distance
Build a md. of stone 2½ ft.
base 1½ ft. high N. of cor.
Pits impracticable.

51.50 Bottom of Sycamore canon
2000 ft. deep, course S. 30° W.
ascend abruptly.

75.00 Top of point of slope of mesa.

80.00 Set a malpais 18 x 12 x 12 ins.
in a md. of stone for cor. of
secs. 26, 27, 34 and 35.
marked with 2 notches on E.
and 1 notch on S. edges.
from which.
A cedar 10 ins. diam. bears
S. 40° E. 47 lks. dist. marked.
T. 20 N. R. 4 E. S. 35 B. T.
A cedar 10 ins. diam. bears

S. 69° W. 53 lks. dist. marked
T. 20 N. R. 4 E. S. 34 B. T.,
a spruce 14 ins. diam. bears
N. 77° W. 71 lks. dist. marked
T. 20 N. R. 4 E. S 27 B. T.
a juniper 6 ins. diam. bears
N. 81° E. 78 lks. dist. marked
T. 20 N. R. 4 E. S. 26 B. T.
Land mountainous 80.00 chs.
Druse brush 80.00 chs.
Soil rocky. 4th rate.

At this corner I set off 7° 38' N. on the decl. arc; and at noon observe the sun on the meridian; the resulting lat. is 35° 04' N. 35° 05'

Subdivisions of

E. on a random line bet.
secs. 26 and 35

40.00 Set temp. 1/4 sec. cor.

80.05 The cor. of secs. 25, 26, 35
and 36. Thence I run.
N. on a true line bet.
secs. 26 and 35
Over mountainous lands
Through dense brush,
Descending abruptly.

40.00 Bottom of gulch. Course
N. 60° W.

40.025 Point for 1/4 sec. cor. comes
in bottom of deep, narrow
gulch. Ascend.

44.50 Top of bank of gulch.
0.25
N. 4.75
Set a malpais 18 x 12 x 6 ins.
in a md. of stone for N. 6.
to 1/4 sec. cor. marked N. 6.

Tp. 20 N. R. 4 E.

1/4 on N. face.
from which.
A pine 12 ins. diam. bears
N. 60° W. 49 lks. dist. marked
W. C. 1/4 S. 26 B. T.
A pine 18 ins. diam. bears
S. 5° W. 60 lks. dist. marked
W. C. 1/4 S. 35 B. T.

57.40 Top of point of slope. Descend abrupt.
72.00 Bottom of Sycamore canon,
course S. 10° W.
74.00 Ascend out of canon.
80.05 The cor. of secs. 26, 27, 34 & 35.
Land mountainous 80.05 chs.
Dense brush 80.05 chs
Soil rocky. 4th rate.

April 9th 1904.

Subdivisions of

Apr. 10th: At 7h a.m. l.m.t.
I set off 7°57' N. on the decl. arc;
35°04' N. on the lat. arc; and
determine a true meridian with
the polar at the cor of secs. 26, 27,
34 and 35. Thence I run.

N. 0° 01' W. bet. secs. 26 & 27.
Over mountainous land.
Descending through dense brush

7.25 Bottom of Sycamore canon.
Course S. E.

8.00 Ascend abruptly steep
slope of mesa.

35.90 As point for 1/4 sec. cor.
will come in unsafe
place on face of steep
slope, I
Set a sandstone 24x20x6 ins.
in a md. of stone for W.C.

Tp. 20 N. R. 4 E.

to 1/4 sec. cor. marked N. 6. 1/4 on N. face. and build a md. of stone 3 ft. base 2 ft. high. N. of cor.

64.10 Pits impracticable. Top of rim of mesa. 2000 ft. above bottom of canon. bears E and N.

80.00 Set a malpais 18 x 18 x 12 ins in a md. of stone for cor. of secs. 22, 23, 26, and 27. marked with 2 notches on E. and S. edges, from which A pine 30 ins. diam. bears S. 16° 30' W. 85 lks. dist. marked T 20 N. R. 4 E. S. 27 B. T. A pine 14 ins. diam. bears S. 50° 30' E. 104 lks. dist. marked T. 20 N. R. 4 E. S 26 B. T. An oak 14 ins. diam. bears

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Subdivisions of

N. 81° W. 28 lks. dist. marked
T. 20 N. R. 4 E. S. 22 B. T.
A pine 30 ins. diam. bears
N. 27° E. 121 lks. dist. marked
T. 20 N. R. 4 E. S. 23 B. T.
Land mountainous 80.00 chs.
Dense brush 80.00 chs.
Soil, rocky. 4th rate.

Tp. 20 N. R. 4 E.

E. on a random line
bet. secs. 23 and 26.

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect N. and S. line 4
lks. N. of cor. of secs. ~~25, 26~~, 23
and 26. Thence I run
N. 89°58' W. on a true line
bet. secs 23 and 26.
Descending
Over mountainous land,
Through dense pine and brush.

9.00 Bottom of canon. 1000 ft. deep.
Course S. 20° W. Ascend abruptly

40.04 Point for 1/4 sec. cor. corner in unsafe place

41.00 Top of bluff of mesa, bears
N. E. and S. W.
Set a malpais 20x14x5 ins.
in a md. of stone for W. C.
.96 chs. W. of 1/4 cor. point to sec. 26 and
6.35 chs. W. of 1/4 cor. point to sec. 23
80 lks. S. of 1/4 cor. marked W. C.
1/4 on N. face, and built

Subdivisions of

a md. of stone 2½ ft. base
1½ ft high N. of cor.
No trees in distance.
Pits impracticable
80.08 The cor. of secs. 22, 23, 26 & 27.
Land mountainous 80.08 chs.
Drift sands 38.00 chs.
Drift brush 42.08 chs.
Soil rocky. 4th rate.

April 10th 1904

Tp. 20 N. R. 4 E.

April 11th; at 7h a.m., l.m.t.
I set off 8° 19' N. on the decl. arc;
35° 05' N. on the lat. arc, and
determine a true meridian
with the polar at the cor. of
secs. 22, 23, 26 and 27.
Thence I run.
N. 0° 01' W. bet secs. 22 and 23.
Over mountainous lands
Through dense pines, and
brush.

40.00 Set a malpais 18 x 12 x 10 ins
in a md. of stone for 1/4 sec.
to sec. 22 only
cor. marked 1/4 on N. face
from which
A pine 20 ins. diam. bears
S. 55° E. 36 lks. dist. marked
1/4 S. 23 B. T.
A pine 20 ins. diam. bears

Subdivisions of

S. 74° W. 116 lks. dist. marked
1/4 S. 22 B. T.

54.60 Edge of rim of canon bears
E. and W. Descend abruptly.

76.00 Bottom of canon. 1200 ft.
deep. course S. 75° W. Ascend.

80.00 Set a limestone 20 x 8 x 7 ins
in a md. of stone for N.E. 1/4 cor of
sec. 22, marked with 2
notches on E. and 3 notches
on S. edges, with a md.
of stone 2 1/2 ft. base. 1 1/2 ft.
high. S W of cor.
No trees in distance
Pits impracticable.
Land mountainous 80.00 chs.
Drift pines. 54.60 chs.
Drift brush 30.00 chs.
Soil rocky, 4th rate.

Tp. 20 N. R. 4 E.

From the cor. of secs. 13, 14, 23 and 24. I run
N. bet. secs. 14 and 23.
Over mountainous land.
Through dense pines and brush.

39.56 1/4 sec. cor. which is a
GR decayed stake in md. of
stone brars. S. 47 lks. which
makes the bearing and
length of this 1/2 mile
S. 89. 20' W., 39.56 chs.
I reestablish this 1/4 sec. cor.
as follows
Set a malpais 14 x 12 x 12 ins
in a md. of stone for 1/4 sec.
cor. marked 1/4 on N face
from which
An oak 6 ins. diam. brars

N. 71° E. 34 lks. dist. marked
1/4 S. 14 B. T.
A pine 30 ins. diam. bears.
S. 72° W. 106 lks. dist. marked.
1/4 S. 23 B. T.
Thence I run.
W. on a true line from 1/4
secs. cor. bet. secs. 14 and 23.
2.50 Edge of rim of mesa bears
N. and S. at 2 chs. S. turns
S. 75° W. Descend abruptly.
45.79 Intersect N. and S. line
76 lks. S. of N. E. cor. of
sec. 22.
Set a limestone 17 x 10 x 7 ins
in a md. of stone for. C. C.
to sec. 23, marked with 2
notches on E. and 3 notches
on S. edges. with C. C. on

E. face, from which
Accsr. 10 lks. diam. bears
S. 75° E. 97 lks. dist. marked
T 20 N. R 4 E. S. 23. C.C. B.T.
Land mountainous 85.35 chs.
Dense pines 40.00 chs.
Dense brush. 45.35 chs.
Soil rocky, 4th rate.
Apr. 11th, 1904.

Subdivisions of

Apr. 12th: at 7h a.m. l.m.t.
I set off 8°41' N. on the decl. arc;
35°06' N. on the lat. arc; and
determine a true meridian
at the cors. of secs. 13, 14, 23, and 24.
Thence I run.
N. bet. secs. 13 and 14
Over rolling mesa.
Through dense oak brush.
39.95 The 1/4 sec. cor. which is
a decayed stake in a
md. of stone bears N. 18 lks
which makes the bearing
and length of this line
N. 0°15' W. 39.95 Chs.
I reestablish this cor. by
setting a malpais. 16x10x6 ins
in a md. of stone for 1/4 sec
cor. marked 1/4 on N. face

Tp. 20 N. R. 4 E.

and build a md. of stone
3 ft. base. 2½ ft. high N. of cor.
No trees in distance
Pits impracticable.
Thence I run.
N.

39.96 The cor. of secs. 11, 12, 13, 14, a decayed stake with 4 pine witness trees, bears N. 17 lks. which makes the bearing and length of this ½ mile N. 0°15' W. 39.96 chs. I rebuild this cor. Set a malpais 17 x 12 x 8 ins. in a md. of stone for cor. of secs. 11, 12, 13 and 14 marked with 1 notch on E. and 4 notches on S. edges. Build a md. of stone 3 ft. base 2 ft. high N. of cor.

Subdivisions of

Land mountainous 79.91 Chs
Dense pines 79.91 Chs
Soil rocky. 4th rate.

W. bet. secs. 11 and 14.

10.84 Edge of rim of box canon 400 ft. dip, near its head. bears S. W., Descend precipitously

12.00 Foot of bluff, continue to descend steep slope.

21.00 Bottom of canon, course S. 80° W. at 10 chs. W. turns S. W. ascend.

40.29 Top of bluff bears N. 75° E. and S. 75° W. The 1/4 sec. cor., a decayed stake in md. of stone with 2 bearing trees properly marked bears S. 30 lks. which makes the length and bearing

Tp. 20 N. R. 4 E.

of this ½ mile S. 89° 34' W. ✓
40.29 chs.✓
I rebuild this cor. by setting
a malpais 14 x 10 x 8 ins. in
a mound of stone for ¼
sec. cor. marked ¼ on N. face.
I continue N. on same line.
80.32 The cor. of secs. 10, 11, 14 and
15, a decayed stake with
4 witness trees with marks
obliterated, bears S. 60 lks.
which makes the bearing
and length of this ½ mile
S. 89° 34' W. 40.03 chs.✓
I reestablish this cor. as
follows.
Set a malpais 20 x 14 x 6 ins
in a md. of stone for cor. of
secs. 10, 11, 14 and 15 marked

Subdivisions of

with two notches on E. and
four notches on S. edges
from which
A pine 16 ins. diam. bears
N. 60° E. 116 lks. dist. marked
T. 20 N. R. 4 E. S. 17 B. T.
A pine 12 ins. diam. bears
N. 57° W. 66 lks. dist. marked
T. 20 N. R. 4 E. S. 16 B. T.
A pine 16 ins. diam. bears
S. 24° W. 100 lks. dist. marked
T. 20 N. R. 4 E. S. 15 B. T.
A pine 6 ins. diam. bears
S. 60° E. 40 lks. dist. marked.
T. 20 N. R. 4 E. S. 14 B. T.
Land rolling mesa. 80.32 chs.
Dense pines 80.32 chs.
Soil rocky. 4th rate.

Tp. 20 N. R. 4 E.

40.00

Set a malpais 18 x 10 x 6 ins. in a md. of stone for 1/4 sec. cor. marked 1/4 on N. face. mound of stone 2 ft. high, 3 ft. base N. of cor. Pits impracticable.

64.75

S. bet. secs. 14 and 15.
The 1/4 sec. cor, a decayed stake in md. of stone, bears E. 25 lks, which makes the bearing and length of this
which I rebuild as follows:
1/2 mile S. 0° 21' E. 40.00 chs.
S. 0° 11' E.
S. on a true line from 1/4 sec. cor. bet. secs. 14 and 15
Edge of vertical bluff 700 ft. high, bears E and W. at 3 chs. E. turns N. E.
As it is impossible to measure further S. I set a malpais 24 x 16 x 6 ins. in a md of stone for N. C. to C. C. bet. secs. 14 and 15. marked with 2 notches on E, and 3 notches on S. edges and. N. C. C. C. on N. face.

Subdivisions of

sec. cor. marked 1/4 on
W. face, and build a md.
of stone W. of cor. 3 ft base 2 ft. high
Pits impracticable.

54.00 Top of rim of mesa bears
N. W. and S. E.

80.00 Set a malpais 20 x 12 x 12 ins
in a md. of stone for cor.
of secs. 27 and 34. marked
with 3 notches on E. and
one notch on S. edges.
from which.
A pine 26 ins. diam. bears
S. 10° E. 97 lks. dist. marked.
T. 20 N. R. 4 E. S. 34 B. T.
A juniper 14 ins. diam. bears
N. 50° E. 39 lks. dist. marked.
T. 20 N. R. 4 E. S. 27 B. T.
Land mountainous 80.00 chs

Tp. 20 N. R. 4 E.

Dense brush 80.00 chs.
Soil rocky. 4th rate.

E. on a random line
bet. secs. 27 and 34.
1 Over mountainous land
Through dense brush.
40.00 Set temp. 1/4 sec. cor.
80.10 Intersect N. and S. line at
the cor. of secs. 26, 27, 34 and 35
Thence I run.
N. on a true line bet. secs
27 and 34.
Ascending steep slope of
mesa.
28.00 Top of rim of mesa bears N.
15° W. and S.
40.05 Set a malpais 16 x 12 x 12 ins
in a md. of stone for 1/4 sec.

Subdivisions of

cor. marked 1/4 on N. face
from which
A juniper 36 ins. diam. bears
N. 1° E. 27 lks. dist. marked.
1/4 S 27 B. T.
A juniper 8 ins. diam. bears
S. 10° E. 54 lks. dist. marked.
1/4 S. 34 B. T.

80.10 The cor. of secs. 27, 28, 33 and 34
Land mountainous 80.10 chs.
dense brush 80.10 chs.
Soil rocky. 4th rate.
Apr. 13th 1904

Tp. 20 N. R. 4 E.

April 25th: at 7½ a.m., l m. t.
I set off 13° 12' N. on the decl. arc;
35° 04' N. on the lat. arc; and
determine a true meridian with
the solar at the ¼ sec. cor. bet.
secs. 28 and 33.

Thence I run.
E. on a true line bet secs.
28 and 33.
Over mountainous land
Through dense brush

4.00 Descend to canon.
10.20 Bottom of canon, course
S. E., ascend.
14.00 Top of bluff E. side of canon
bears N. W. and S. E.
34.22 Intersect N and S. line
133 lks. S. 0°01' E. of cor. of secs. 27
and 34.

Subdivisions of

Set a Malpais 18 x 10 x 10 ins
in a md. of stone for C. C.
of secs. 28 and 33, marked
with 3 notches on E. and one
notch on S. edges. with
C. C. on W. face, from which
A pine 12 ins. diam. bears
S. 78° W. 127 lks. dist. marked
T. 20 N. R. 4 E. S. 33, 1 C.C. B. T.
A pine 16 ins. diam. bears
N. 67° W. 208 lks. dist. marked
T. 20 N. R. 4 E. S. 28 C. C. B. T.
Land mountainous 34.22 Chs
Dense brush 34.22 chs.
Soil rocky. 4th rate.

Tp. 20 N. R. 4 E.

N. 0° 02' W. bet. secs. 27 and 28.
Over rolling mesa.
Through dense brush.

40.00 Set a malpais 28 x 17 x 6 ins.
in a md. of stone for 1/4 sec.
to sec 27 only
cor., marked 1/4 on W. face
from which
A juniper 36 ins. diam. bears
S. 50° E. 69 lks. dist. marked
1/4 S. 27 B. T.
A juniper 24 ins. diam. bears
W. 65° W. 128 lks. dist. marked
1/4 S. 28 B. T.

60.80 Edge of bluff of mesa, bears
E. and W. Descend abruptly

70.00 Bottom of rincon, ascend
abruptly.

79.80 Top of bluff, bears N. 20° E.
and S. 20° W.

54

Subdivisions of

80.00 Set a malpais 18 x 14 x 6 ins. in a md. of stone for cor. of secs. 22 and 27, marked with 3 notches on E. and 2 notches on S. edges, and built a md. of stone 2½ ft. base and 1½ ft. high W. of cor. Pits impracticable

Land mountainous 80.00 chs

Dense brush 80.00 chs

Soil rocky. 4th rate.

Tp. 20 N. R. 4 E.

E. on a random line bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line at cor. of secs. 22, 23, 26 and 27.

Thence I run.

N. on a true line bet secs. 22 and 27.

Over mountainous lands.

Through dense brush.

13.75 Edge of rim of mesa bears. N.W. and S.E. Descends abruptly

37.85 Limestone bluck. As point for 1/4 sec. cor will come in unsafe place on steep slope I Set a limestone 20 x 14 x 7 ins. in a md. of stone for. W. C. to 1/4 sec. cor. marked W. C. 1/4 on N. face, and build a md

Subdivisions of.

of stone 3 ft. base 2 ft high N. of cor.
Pits impracticable

40.00 Point for 1/4 sec. cor. on steep slope.

49.00 Bottom of Sycamore canon course S. E. Ascend.

79.90 Top of bluff of mesa bears N. W. and S. E. At 2 chs S. turns S. W.

80.00 The cor. of secs. 22 and 27.
Land mountainous 80.00 chs.
Dense brush 80.00 chs.
Soil, rocky. 4th rate.

April 25th, 1904.