

SUBDIVISIONS BOOK 296

T. 17 N. R. 6 E.

'L'

BOOK 1

No - 296

4-671

BOOK 296

296

FIELD NOTES
GENERAL LAND OFFICE.

No 296

Notes copied May 21/04 E. V.

" Composed by G. M. G. & C. M. G. 6/9/04

accounts checked by G. M. G. 6/29/04

BOOK 296

Field Notes
of the survey of the
Subdivision Lines

of
Township No. 17 North
Range No. 6 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 Oct. 20th, 1902.

Survey completed Nov. 7th, 1902.

Names and duties of assistants.

Joel Anderson	Chairman
A. G. Johnson	Chairman
F. M. Lockwood	Chairman
C. J. Schwartz	Arman.
H. H. Karpham	Arman
H. K. Ward	Moundman.
Norman Coote	Flagman.

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For Preliminary baths see Subs.

T19 n P 6 E. surveyed in 1902

Subdivisions of

Survey commenced Oct. 20th, 1902, and executed with a Buff and Berger engineer's transit, with Stigmüller Solar attachment. The transit is numbered 672, the horizontal limb having two double verniers placed opposite to each other, and reading to 30" of arc.

At my camp near the cor. of secs. 7, 8, 17 and 18, T_p. 17ⁿ R. 6 E. I set off 10° 12' S. on the decl. arc; and at noon observed the sun on the meridian, the resulting lat. is 34° 51' N.

Oct 20th: at 4 p.m. 8 m. t. I set off 10° 14' S. on the decl. arc, and 34° 51' N. on the lat. arc; and determine a true meridian with the solar, a

Sp. 17 N. R. 6 E.

point in which I mark with a cross on a stone firmly set in the ground about 6.00 Chs. N. of my station.

Allowing my instrument to remain at this point, and at 11^{30}^m p.m. l.m.t., I observe Polaris when at upper culmination, and mark a cross on the rock previously set by me, at about 6.00 Chs. N. of my station, which point falls 0.4 ins. E. of the line determined by the solar. I allow my instrument to remain at this point.

Oct 20th 1902.

Oct. 21st 1902: At 7^h a.m. l.m.t. I set off 10²⁵ S. on the

Subdivisions of

decl. arc; $34^{\circ}51' N.$ on the lat. arc, and determine a true meridian with the solar, and note the point, which falls 0.2 ins. N. of the true meridian determined by the observation on Polaris; the magnetic bearing of said true meridian is $N. 13^{\circ}50' N.$, which gives the magnetic decl. $13^{\circ}58' E.$

At 8^h a.m. l.m.t. I set off $10^{\circ}29' S.$ on the decl. arc; $34^{\circ}49' N.$ on the lat. arc, and determine a true meridian with the solar at the standard cor. of secs. 35 and 36 on the S. side.

Thence I run $N. 0^{\circ}01' N.$ on a plank line through dense brush and scattering cedars.

Sp. 17 N. R. 6 E.

40.06 A md. of stone with stone unmarked bears E. 2 lks. with a blazed yew tree without marks, which makes the bearing and length of this $\frac{1}{2}$ mile N. 0° 0' E. I therefore

Set a sandstone 24 x 8 x 8 ins. in a md. of stone for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face.

from which

A yew. 18 ins. diam. bears D. 40° N. 45 lks dist. marked $\frac{1}{4}$ S. 35 B. T., and raised a md. of stone 2 ft. base. $\frac{1}{2}$ ft. high N. of cor.

Pits impracticable, Hence from N. 0° 0' N. Descend.

43.40 Gulch 200 ft. sup. course S. 75° N. Ascend.

Subdivisions of

14.95

Top of ascent, Descend.

39.94

The cor. of secs. 25, 26, 35
and 36, a sandstone
14 x 8 x 2 ins. properly
marked, with 2 bearing
trees with marks indis-
tinct. I reestablish this
cor. at same point as follows
Set a sandstone 24 x 18 x 8 ins
in a md. of stone for cor. of
secs. 25, 26, 35 and 36 marked
with one notch on E. and S.
edges. from which

A new 4 ins. diam. bears
N. 5° E. 10 lbs. dist. marked.

T. 17 N. R. 6 E. S. 25 B. T.

A new 6 ins. diam. bears

N. 46° N. 18 lbs. dist. marked

T. 17 N. R. 6 E. S. 26 B. T.

A pinion 7 ins. diam. bears

Tp. 17 N. R. 6 E.

S. 2° E. 12 lks. dist. marked
T. 17 N. R. 6 E. S. 36 B. T.

A few 6 ins. diam. trees

S. 47° N. 22 lks. dist. marked
T. 17 N. R. 6 E. S. 35 B. T.

which makes the bearing
and length of this $\frac{1}{2}$ mile
N. 0° 03' N. 39.94

Land mountainous 80.00 cts

Dense pines and pinions 50.00 cts.

Soil rocky. 4th rate.

X

Subdivisions of

N. 0° 01' W. on a true line
bet. secs. 25 and 26.

Descending through dense
brush and young trees.

3.00

Quech, corner N. ascend.

40.00

Made diligent search but
could find no trace of
 $\frac{1}{4}$ sec. cor.

Set a sandstone $30 \times 14 \times 10$ ins
in a md. of stone for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ on N. face.
from which.

A pinion 8 ins. diam. bears
N. 45° E. 91 lks. dist. marked
 $\frac{1}{4}$ S. 25 B. T.

A pinion 8 ins. diam. bears
N. 88° W. 71 lks. dist. marked
 $\frac{1}{4}$ S. 26 B. T.

50.00

Foot of bluff of mesa
Ascend abruptly.

Sp. 17 N. R. 6 E. 11

57.40 Top of point of mesa. bears
N. E. and S. W. Descend abruptly.

80.00 Found a trace of old cor.

Set a sandstone $24 \times 12 \times 6$, in
in a mg. of stone for cor. of
secs. 23, 24, 25 and 26, marked
with 1 notch on E. and 2
notches on S. faces from which
a piece 10, in. diam. bears
N. 30° E. 18 lks. dist. marked.

T. 17 N. R. 6 E. S. 24 B. T.

A piece 6 in. diam. bears
N. 88° W. 37 lks. dist. marked.

T. 17 N. R. 6 E. S. 23 B. T.

No other trees in limits.

Build a mg. of stone 2 ft.
base $1\frac{1}{2}$ ft high N. of cor.

Pits impracticable.

Land mountainous 80.00 chs.

12

Subdivisions of

Dense brush. 80.00 chs.

Soil rocky. 4th rate.October 21st 1902

Oct. 22^d 1902: At 8 a.m. C. M. T., I set off 10°50' S. on the decl. arc; 34°51' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 23, 24, 25 and 26. Thence I run.

N. 0°01' N. on a true line bet
secs. 23 and 24.

Descending through dense
brush and scattering pines.

12.00

Bottom of cañon. Course N.
75° E. Ascend.

28.00

Top of ascent. Descend.

35.00

Bottom of gulch. Course
S. E. Ascend.

40.00

Made diligent search

Sp. No 17 N. R. 6 E.

but could find no 1/4 sec. cor.
Set a sandstone 30x8x6 in.
in a md. of stone for 1/4 sec.
cor. marked 1/4 on N. face.
from which

A. new. 6 in. diam. bears.

S. 45° N. 9 lks. dist. marked
1/4 S. 23 B. T.

No other trees in limits

Build a md. of stone 2 ft.
base 1 1/2 ft. high N. of cor.

Pits unpracticable.

Ascend abruptly.

60.00

Top of bluff of mesa. bears
E. and N.

80.00

Made diligent search, but
could find no sec. cor.

Set a malpais 20x10x10 in.
in a md. of stone for cor. of
secs. 13, 14, 23 and 24

Subdivisions of

marked with 1 notch on E.
and 3 notches on S. edges
from which

A juniper 16 ins. diam. base
N. 87° E. 116 lks. dist. marked
T. 17 N. R. 6 E. S. 13 B. T.

A juniper 24 ins. diam. base
N. 61° W. 199 lks. dist. marked
T. 17 N. R. 6 E. S. 14 B. T.

No other trees in distance

Build a mg of stone 2 ft
base $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable,

Land mountainous 80.00 chs
Dense brush, scattering
pines and junipers 80.00 chs.
Soil rocky, 4th rate.

Sp. 17 N. R 6 E.

N. 0° 01' N. on a true line bet.
secs. 13 and 14.

Over rolling mesa.

Through oak brush and
scattering junipers

40.00 Made diligent search but
BR could find no $\frac{1}{4}$ sec. cor.

Set a malpais 20 x 12 x 12 ins
in a sq. of stone for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face
from which.

A juniper 16 ins. diam. bears
N. 21° N. 106 lks. dist. marked
 $\frac{1}{4}$ D. 14 B. T.

A juniper 6 ins. diam. bears
N. 17° E. 121 lks. dist. marked
 $\frac{1}{4}$ D. 13 B. T.

80.00 Made diligent search, but
could find no sec. cor.

Subdivisions of

Set a malpais $26 \times 14 \times 4$ ins
in a md. of stone for cor.
of sees. 11, 12, 13, and 14.

Marked with 1 notch on E.
and 4 notches on S. edges.
from which.

A pine. 18 ins. diam. Bears
S. 75° N. 159 lbs. dist. marked.

T. 17 N. R. 6 E. S. 14 B. T.

A pine, 14 ins. diam. Bears
N. 49° N. 243 lbs. dist. marked

T. 17 N. R. 6 E. S. 11 B. T.

A juniper 24 ins. diam.

Bears N. 35° E. 358 lbs dist.

marked T. 17 N. R. 6 E. S. 12 B. T.

A juniper 36 ins. diam. Bears
S. 20° E. 226 lbs. dist. marked

T. 17 N. R. 6 E. S. 13 B. T.

Lang rolling mass 80.00 lbs

Druse oak brush

Sp. 17 N. A. 6 E.

and scattering pines and
junipers 80.00 ch.
Soil rocky. 4th rate.

N. 0° 1' N. on a true line lat.
secs. 11 and 12.

Over rolling mesa. Through
scattering pines and oaks
and oak brush.

40.00 Set a malpais 18 x 16 x 14 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. 11° N. 77 lks. dist. marked
1/4 D. 11 B. T.

A pine 18 ins. diam. bears
N. 58° E. 105 lks. dist.
marked 1/4 D. 12 B. T.

Subdivisions of

- 50.00 Descend to cañon.
- 61.00 Bottom of cañon, course
N. N. Ascent.
- 80.00 Top of ascent.
- Set a melpais 30x18x7 ins
in a md. of stone for cor.
of secs 1, 2, 11 and 12, marked
with 1 notch on E. and
5 notches on S. edges.
from which
a juniper 14 ins. diam. bears
N. 45° W. 300 lks. dist. marked
T. 17 N. R. 6 E. S. 2 B. T.
- A pine 10 ins. diam. bears
N. 75° E. 218 lks. dist. marked
T. 17 N. R. 6 E. S. 1 B. T.
- A juniper 16 ins. diam. bears
S. 34° E. 129 lks. dist. marked
T. 17 N. R. 6 E. S. 12 B. T.

Sp. 17 N. R6 E.

No other tree is distance

Build a md. of stone 2 ft.
base $1\frac{1}{2}$ ft. high. N. of cor.

Pits unpracticable

Land rolling. 50.00 cts.

Land mountainous 30.00 cts.

Scattering pines and
junipers and dense oak brush
80.00 cts.

Soil rocky. 4th rate.

Oct. 22, 1902.

Subdivisions of

Oct. 23^d. 1902, at 8 a.m. l.m.

I set off $11^{\circ} 11'$ S. on the decl. arc;
 $34^{\circ} 54'$ N. on the lat. arc; and deter-
 mine a true meridian with the
 solar at the cor. of secs. 1, 2, 11 and 12

Peace Spring.

N. 0.01 N. on a true line
 bet. secs. 1 and 2.

Over mountainous land.
 Descending through
 scattering pines.

23.20

County road. bears N.
 $75^{\circ} E. \frac{3}{4} S. 75^{\circ} N.$

38.00

Bottom of descent.

40.00

Set a malpais $18 \times 14 \times 14$ ins
 in a md. of stone for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on
 N. face. from which
 a juniper 16 ins. diam.
 bears S. $77^{\circ} N.$ 21 lks. dist.

Sp. 17 N. R. 6 E.

marked $\frac{1}{4}$ D. 2^v B. T.

A juniper 10 ins diam. bears
N. 45° E. 129 lks. dist. marked
 $\frac{1}{4}$ D. 1^v B. T.

Ascend.

64.00 Top of ascent.

95.25 Intersect N. ldy. of Sp. 24.57^v
Chs. N. $87^{\circ}59'$ E. of cor. of secs
35 and 36. the marking of
which I change to refer
to N. secs. only.

Set a malpais 18x16x6 ins.
~~diam.~~ in a md. of stone for
C. C. to secs. 1 and 2. marked
with 1 notch on E. and 5
notches on N. edges, and C. C.
on S. face from which
An oak 8 ins diam. bears
S. 22° E. 89 lks. dist. marked
T. 17 N. R. 6 E. D. 1 C. C. B. T.

Subdivisions of

812 A pine 16 ins. diam. bears
 S. 29° N. 98 lbs. dist. marked
 T. 17 N. A. 6 E. S 2 C. L. B. T.
 Land mountainous 95. W chs
 Scattering pine & oak and
 dense oak brush 95. W chs
 Soil rocky, 4th rate.

Oct. 23^d 1902

Tp. 17 N. R. 6 E.

Oct 24th, 1902: At 8 a.m. l.m.t.
 I set off $11^{\circ}33'$ S. on the decl. arc.
 $34^{\circ}52'$ N. on the lat arc; and
 determine a true meridian with
 the solar. at the cor. of secs. 17, 18,
 19 and 20. as described by the Surv. Genl.
 Hence True.

E. bet. secs. 17 and 20.

Over rolling hills.

Through dense brush.

40.00 Was unable to find $\frac{1}{4}$ sec. cor.

812

Set a sandstone $26 \times 12 \times 7$ ins. 12
 ins. in the ground. For $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on N. face
 and raised a md. of stone
 4 ft. base $2\frac{1}{2}$ ft. high. N. of cor.

Pits impracticable

80.00 The cor. of secs. 16, 17, 20, and 21
 all undersized stone, which
 I reestablish as follows.

Subdivisions of

Set a sandstone 18x12x6 ins.
12 ins. in the ground.
for cor. of sec. 16, 17, 20 and
21. marked with 4 notches
on E. and 3 notches on S.
edges. and raised a
md. of stone 3 ft. base
3 1/2 ft. high N. of cor.
from which

A cedar 12 ins. diam. bears
S 69° W. 537 lks. dist. marked
T. 17 N. R. 6 E. S. 20 B. T.

No other trees in distance

Pits impracticable.

Land rolling hills 80.00 chs.

Dense brush 80.00 chs.

Scattering cedars 80.00 chs.

Soil rocky, 4th rate.

Sp. 17 N. R. 6 E.

From a true line lat. sec.
16 and 21.

Over mountainous land
Through denser brush.

3.00 Gulch, Course N. 85° W.

40.00 Set a sandstone 24x12x6 ins.

in a md. of stone for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face.
from which.

A pinion 10 ins. diam. bears
S. 88° W. 5 lbs. dist. marked
 $\frac{1}{4}$ D. 2; B. T.

No other tree in distance.

Raised a md. of stone 2 ft.
base $1\frac{1}{2}$ ft. high. N. of cor.

Pits impracticable.

Ascend diagonally along
N. slope of gulch.

57.80 Top of bank of gulch.

Ascend steep slope of mesq.

Subdivisions of

62.83 Foot of perpendicular
 sandstone bluff 500 ft
 high.

Set a sandstone 22 x 14 x 9 ins
 in a md. of stone for witness
 cor. to secs. 15, 16, 21 and 22.
 Marked N. C. with 3 notches
 on S. and E. faces, and
 raised a md. of stone
 3 ft. base, 2 ft. high N. of
 cor.

Pits impracticable.

from which,

A new 4 ins. diam. bore
 N. & E. 48 lbs. dist. marked
 N. C. T. 17 N. R. 6 E. S. 16 B. 9.
 Sand mountains 62.83 ch.
 Dress bush 62.83 ch.
 Soil rocky, 4th rate.

Sp. 17 N. R. 6 E.

At this cor. I set off $11^{\circ}37'S$. on the decl. arc; at a noon observed the sun on the meridian, the resulting lat. is $34^{\circ}52'N$.

It being impossible to continue the line E. from this cor., I offset N. 750 chs., thence E. ascending abruptly.

55.40 Top of ruin of mesa. bears N. and S.

57.17 I offset S. 750 chs. to line and pt. for $\frac{1}{4}$ sec. cor.

Set a sandstone $14 \times 8 \times 6$ ins. in a ms. of stone for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face. from which.

Quiniper 18 ins. diam. bears $\phi. 49^{\circ}E$, 84 lks. dist. marked $\frac{1}{4} S. 22 B. T.$

Subdivisions of

No other tree in distance

Build a md. of stone 2 ft.
base. $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable ^{thence E. on}
_{sec. 22}

77.35 Edge of mesa. Fears
N. and S. Descend abruptly

97.17 Set a sandstone 20 x 12 x 6 ins
in a md. of stone for cor. of
secs. 14, 15, 22 and 23.

marked with 2 notches on
E. and 3 notches on S. edges
from which

A yew 20 ins. diam. Fears
S. 40° N. 22 lks. dist. marked
Y. 17 N. R. 6 E. S. 22 B. T.

A yew 14 ins. diam. Fears
N. 75° N. 76 lks. dist. marked
Y. 17 N. R. 6 E. S. 15 B. T.

No other trees in distance
Raised a md. of stone

Sp. 17 N. R. 6 E.

2 1/2 ft base 1 1/2 ft. high N. of
cor. Pits impracticable.
Land mountainous 97.17 chs.
Scattering yews and junipers
Soil rocky, 4th grade.

E. on a random line bet.
secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

79.42 Intersect N. and S. line, 12
lks. N. of secs. 13, 14, 23 and 24.
Thence S run.

N. 89° 55' N. on a true line
bet secs. 14 and 23.

39.71 Set a malpais 24 x 14 x 6 ins
in a md. of stone for 1/4 sec.
cor. from which

A juniper 26 ins. diam. bore
N. 54° E. 127 lks. dist. marked

Subdivisions of

- OK $\frac{1}{4}$ S. 14 B. T.
 Juniper 6 ins. diam. here
 E. 8° N. 152 lks. dist. marked
- $\frac{1}{4}$ S. 23 B. T.
 44.40 Edge of mesa. Rare N. and S.
 Descend abruptly.
- 67.40 Bottom of Montgomery
 cañon. 1200 ft. deep.
 Course S. Ascend abruptly
- 79.42 The cor. of sec. 14, 15, 22
 and 23.
 Land mountainous 35.00 chs.
 Land rolling 44.42 chs.
 Dense brush. 79.42 chs.
 Scattering junipers
 Soil rocky. 4th rate.
 Oct. 24th, 1902.

Sp. 17 N. Q. 6 E.

Oct 25th 1902: at 8^h a.m. l.m.t.,
I set off $11^{\circ}53'$ S. on the decl. arc;
 $34^{\circ}52'$ N. on the lat. arc; and
determine a true meridian
with the solar at the cor. ^{of sec.} 17,
18, 19 and 20. Then I run.

S. $0^{\circ}03'$ E. bet. sec. 19 and 20.

5.70 Gulch, course N. for 1 ch.
thence N. 20° W.

10.30 Foot of sandstone butte
200 ft. high, ascend abruptly.

19.25 Top of point of butte. bears
N. and S.

40.00 The $\frac{1}{4}$ sec. cor. in a
delapidated condition.
which I reestablish as follows
Set a sandstone $26 \times 16 \times 6$ ins.
in a md. of stone for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face
from which

Subdivisions of

OK Cedar 14 ms. diam.
 bears N. 4 lks. dist. marked
 1/4 S. 19 B.T.

A pinion 6 ms. diam. bears
 S. 58° E. 45 lks. dist. marked
 1/4 S. 20 B.T.

44.40 Gulch, course E.

49.80 Gulch, course N. E.

80.00 The cor. of secs. 19, 20, 29 and 30

OK in a delapidated condition
 which I reestablish as follows
 Set a sandstone 20x14x6 ins.
 in a md. of stone for cor. of
 secs. 19, 20, 29 and 30. marked
 with 5 notches on E. and
 2 notches on S. edges.

from which.

A pinion 12 ms. diam.
 bears S. 30 E. 18 lks. dist. marked
 T. 17 N. R. 6 E. S. 29 B.T.

Sp. 17 N. R. 6 E.

A pinion 8 ins. diam. bears
S. 84° W. 27 lks. dist. marked.
T. 17 N. R. 6 E. S. 30 B. T.

A pinion 9 ins. diam. bears
N. 34° W. 70 lks. dist. marked
T. 17 N. R. 6 E. Sec. 19 B. T.

No other tree in distance.

Raise a sq. of stone 2 ft base
1 1/2 ft. high. N. of cor.

Pits impracticable

Land mountainous 80.00 chs.

Dense pinions and cedars 80.00 chs.

Soil rocky. 4th rate.

Subdivisions of

- S. 0° 00' E. bet. secs 29 and 30
 over mountainous land.
 Through dense brush.
 Scattering pines and cedars.
 Descend abruptly
 8.75 Foot of bluff bears E and
 N. Continue to descend.
 40.00 The $\frac{1}{4}$ sec. cor. as described
 by the Surveyor General
 bears N. 56 E. which
 makes the bearing and
 length of this $\frac{1}{2}$ mile.
 S. 0° 48' N. 40.00 chs.
 Fence Iron
 S. from $\frac{1}{4}$ sec. cor.
 40.00 The cor. of secs. 29, 30, 31
 and 32. properly marked
 but without witness
 trees. ^{bears E. 59 E.} Re-establish by
 marking witness trees

Tp. 17 N. R. 6 E.

as follows

A cedar 8 ins. diam. bears
N. 41° E. 62 lks. dist. marked.

T. 17 N. R. 6 E. S. 29 B. T.

A pinion 9 ins. diam. bears
N. 10° W. 26 lks. dist. marked

T. 17 N. R. 6 E. S. 30 B. T.

A pinion 7 ins. diam. bears
S. 14° E. 35 lks. dist. marked

T. 17 N. R. 6 E. S. 31 B. T.

A pinion 8 ins. diam. bears
S. 5° W. 62 lks. dist. marked

T. 17 N. R. 6 E. S. 31 B. T.

which makes the bearing
and length of this 1/2 mile
S. 051° E. 40.00 chs.

Land mountainous 80.00 chs.

Dense cedars & pinions 80.00 chs.

Soil rocky, 4th rate.

Subdivisions of

S. $0^{\circ} 33' E.$ bet. secs 31 and 32

Over mountainous land
Through dense brush.

39.97 The $\frac{1}{4}$ sec. cor. which
is a sandstone $10 \times 7 \times 2$ ins.
Establish this cor. as
follows.

Set a sandstone $16 \times 10 \times 5$ ins.
in a md. of stone for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face
and raised a md. of stone
2 ft. base. $1\frac{1}{2}$ ft. high N.
of cor.

Pits impracticable

77.29 The standard cor. of
secs. 31 and 32, bears N.
21 lbs. which makes the
bearing and length of
this $\frac{1}{2}$ mile N. $0^{\circ} 15' E.$
37.32

Sp. 17 N. R. 6 E.

Land mountainous 77.29chs.

Dense brush 77.29chs

Soil rocky. 4th rate.

October 25th, 1902.

Oct. 26th 1902: at 8 a.m. I
m.t., I set off 12° 14' S. on the decl.
arc; 34° 52' W. on the lat. arc, and
determined a true meridian with
the solar at the cor. of secs. 16, 17,
20 and 21. Hence I run

S. 0° 02' E. on a true line
bet. secs. 20 and 21.

Over mountainous land,
ascending through dense
cedars and brush.

39.00 Gulch. Course S. 70° W. ascend.

40.00 Det a sandstone 16 x 10 x 5 ins.
in a md. of stone for 1/4 sec. cor.

Subdivisions of

OK marked $\frac{1}{4}$ on N. face,
from which

A year 6 ins. diam. bears
N. $32^{\circ} 30'$ E. 107 lks. dist. marked
 $\frac{1}{4}$ D. 21 B. T.

A year 4 ins. diam. bears
S. 75° W. 53 lks. dist. marked
 $\frac{1}{4}$ D. 20 B. T.

58.50

Gulch, Course N. W.

80.00

OK Set a sandstone $22 \times 14 \times 5$ ins
in a md. of stone for cor of
secs. 20, 21, 28. and 29, marked
with 4 notches on E. and 2
notches on S. edges,
from which.

A pinion 6 ins. diam. bears
S. 47° E. 62 lks. dist. marked
T. 17 N. R. 6 E. D. 28 B. T.

A year 14 ins. diam. bears
N. 62° E. 44 lks. dist. marked

Tp. 17 N. Q. 6 E.

T. 17 N. Q. 6 E. S. 21 B. T.

A pinyon 10 ins. diam. bears
N. 4° N. 31 lbs. dist. marked.

T. 17 N. Q. 6 E. S. 20 B. T.

A pinyon 9 ins diam bears
S. 69° N. 48 lbs. dist. marked

T. 17 N. Q. 6 E. S. 29 B. T.

Land mountainous 80.00 chs.

Brush yucca cedars and
pinyons 80.00 chs

Soil rocky. 4th rate.

Subdivisions of

- N. on a random line bet.
 secs 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 The cor. of secs. 19, 20, 29
 and 30. Fence Iron
 E. on a true line bet. secs.
 20 and 29.
 Over mountainous land
 Ascending through dense
 woods.
 11.20 Edge of sandstone butte.
 Descend abruptly.
 4000 Set a limestone 24x10x6 ins
 18 ins. in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on N. face
 from which.
 A spec 4 ins. diam. Feare
 S. 27° W. 10 lbs. dist. marked
 $\frac{1}{4}$ S. 29 B.T.

Sp. 17 N. R. 6 E.

Above 5 mi. main. bears
N. 26° W. 22 1/2 dist. marked
1/4 D. 20 B.T.

45.50 Gulch. course N. 15° W.

Ascend

65.00 Foot of vertical sandstone
butte 600 ft. high, ascend abruptly

72.15 Top of butte. Descend abruptly.

80.00 Box of sec. 20, 21, 28 and 29.
Land mountainous 8000 chs.
Dense grass and brush 8000 chs.
Soil rocky, 4th rate.

Subdivisions of

S. 0° 02' E. lat. pces. 28 and 29.
on a true line.

Over mountainous land.
Through dense brush.

5.50

OK

Foot of perpendicular
wall of sandstone butte
250 ft. high. bears E. & N.
It being impossible to
proceed further on this
line I return to a point
24.80 chs. N. of cor. of pces.
20, 21, 28 and 29, and
offset N. 20.00 chs. thence
S. 0° 02' E. 56.70 chs., thence
E. 20.00 chs. to line. thence
S. 0° 02' E. 8.10 chs. to
point for 1/4 sec. cor.

Set a sandstone 15 x 12 x 5 ins
10 ins. in the ground for 1/4
sec. cor. marked 1/4 on N. face

Sp. 17 N. Q. 6 E.

and raised a md. of stone
3 ft. base, $2\frac{1}{2}$ ft. high N. of cor.
from which

A new 14 ins diam. bears
N. 88° E. 25 lks. dist. marked
 $\frac{1}{4}$ D. 28 B. T.

A new 8 ins. diam. bears
S. 62° N. 32 lks. dist. marked
 $\frac{1}{4}$ D. 29 B. T.

Hence S. 0° or E.

40.00 Set a sandstone $16 \times 10 \times 6$ ins
in a md. of stone for cor. of
secs. 28, 29, 32 and 33, marked
with 4 notches on E. and 1 notch
on S. edges. From which
A pylon 8 ins. diam. bears,
N. $80^{\circ} 30'$ N. 109 lks. dist. marked
T. 17 N. Q. 6 E. D. 29 B. T.
A pylon 4 ins. diam. bears,
N. $61^{\circ} 30'$ E. 36 lks. dist. marked

Subdivisions of

- 4R T. 17 N. R. 6 E. S. 28 B. T.
 Area 12 ins. diam. bears
 S. 23° N. 60 lks. dist. marked
- T. 17 N. R. 6 E. S. 32 B. T.
 Area 8 ins. diam. bears
 S. 19° E. 35 lks. dist. marked
- T. 17 N. R. 6 E. S. 33 B. T.
 Land mountainous 8000 chs.
 Dense pines, yews and
 brush 8000 chs.
 Soil rocky. 4 chs.

Sp. 17 N. R. 6 E.

N. on a blank line bet. secs.
29 and 32.

40.00 Made diligent search for $\frac{1}{4}$
sec. cor. but was unable to
find same.

Set temp. $\frac{1}{4}$ sec. cor.

80.00 The cor. of secs. 29, 30, 31 and 32.
Hence I run E on a true line
bet. secs. 29 and 32.

Ascending over mountain-
ous land.

92.88 Foot of precipitous bluff
of butte. As the $\frac{1}{4}$ sec. cor.
would come in an insecure
place I,

Set a sandstone 20x14x6 ins.
in a md. of stone for witness
cor. to the $\frac{1}{4}$ sec. cor. marked
N. 6. $\frac{1}{4}$ on N. face, and
raised a md. of stone 2 ft

Subdivisions of

- base $1\frac{1}{2}$ ft. high N. of cor.
 Pits unpracticable
 Ascend precipitously.
- 40.00 Point for $\frac{1}{4}$ sec. cor. on
 precipitous slope of butte.
- 43.95 Top of narrow butte,
 500 ft. high. bears N. 10° W.
 and S. 10° E.
- Descend abruptly.
- 80.00 The cor. of secs. 28, 29,
 32 and 33.
 Land mountainous 80.00 chs.
 Dense brush 80.00 chs.
 Soil rocky, 4 ch pats.

Sp. 17 N. R. 6 E.

S^{0°02' E}
 on a random line bet.
 secs. 32 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.70 Intersect 4th Standard Parallel
 North. 14 lks. S. 89°30' E. of
 Standard cor. of secs. 32 and 33
 Hence I run.

N. 0°06' E. on a true line
 bet. secs 32 and 33.

Over mountainous land.

Ascending.

12.00 Foot of precipitous bluff.
 Ascend abruptly.

23.70 Top of bluff, bears E. and N.
 continue to ascend.

28.25 Top of ascent.

37.70 Set a sandstone 26 x 16 x 7 in
 in a md. of stone for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face.
 from which

48

Subdivisions of

63.35 A. new 12 ins. diam. frame
S. 40° W. 22 lks. dist.
marked $\frac{1}{4}$ S. 32 B. T.

A. new. 6 ins. diam. frame
S. 45° E. 23 lks. dist. marked
 $\frac{1}{4}$ S. 33 B. T.

Driscus.

63.35 Gulch 200 ft. deep. course E.

77.70 The cor. of secs. 28, 29,
32 and 33.

Land mountainous 77.70 ch.

Dense grass and brush 77.70 ch.

Soil rocky. 4th rate.

Oct. 26th, 1902.

Sp. 17 N. R. 6 E.

Because of my inability to set the cor. of secs. 15, 16, 21 and 22, I establish the cor. of secs. 21, 22, 27 and 28 by running E. on a true line from the cor. of secs. 20, 21, 28 and 29.

Oct. 27th 1902: At 8 a.m. l.m.t. I set off $12^{\circ}34'$ S. on the decl. arc; $34^{\circ}51'$ N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence I run E. on a true line bet. secs. 21 and 28

Over mountainous land.

Through dense brush
Descending.

7.00 Gulch, Course N. 20° W
Ascend abruptly.

30.10 Top of bluff. True N. 10° E.

Subdivisions of

- and S. 10° N. Descend abruptly.
- 40.00 Set a sandstone $22 \times 10 \times 5$
 8K ins. in a md. of stone for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
 N. face. from which
 a cedar 12 ins. diam. bears
 S. 40° N. 44 lbs. dist. marked
 $\frac{1}{4}$ S. 28 B. T.
 No other tree in limits
 Raised a md. of stone
 $2\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high
 N. of cor.
 Pits impracticable
- 62.20 Gulch. course S. 80° N.
- 80.00 Set a limestone $15 \times 10 \times 6$ ins
 8K in a md. of stone for cor. of
 secs. 21, 22, 27 and 28. marked
 with 3 notches on E. and
 2 notches on S. edges. and
 raised a md. of stone

Sp. No. 17 N. R. 6 E.

2 1/2 ft. base and 1 1/2 ft. high N. of
cor. Pits impracticable

Land mountainous 80.00 ahs.

Dense brush 80.00 ahs.

Soil rocky, 4th rate.

N. 0° or N. bet secs. 21 and 22
on a true line.

Ascending abruptly.

21.40

Top of high ridge. Bears N.
80° E. and S. 80° N.

Descend abruptly.

26.60

Gulch course N. ascend.

34.55

Top of ridge, bears E. and N.
Descend.

40.00

Set a sandstone 16x12x5 ins.
in a md of stone for 1/4 sec. cor.
marked 1/4 on N. face
from which

Subdivisions of

At a pinion 12 ins. diam. bears
N. 3° E. 6 lks. dist. marked.
1/4 S. 2 1/2 B. T.

No other tree in distance.

Raised a md. of stone 2 ft.
base 1 1/2 ft. high N. of cor.

Pits impracticable

49.90

Gulch, Course N.

69.70

Gulch, Course N.

69.69

Foot of precipitous bluff of
sandstone butte,

As I can proceed no further
on this line I

Set a sandstone 18 x 12 x 6 ins.
in a md. of stone for

witness cor. to secs. 15, 16,

21 and 22. marked ^{W.C.} with

3 notches on E. and S. edges.

and raised a md. of stone
2 1/2 ft. base 1 1/2 ft. high.

Sp. 17 N. R. 6 E.

N. of cor.

Pits unpracticable.

Thence Sprun N

West.

17.17 Thence N. 10.31 chs. to witness
cor. to secs 15, 16, 21 and 22.

Land mountainous 80.00 chs.

Dense brush 80.00 chs.

Soil rocky. 4th rate.

Oct. 27th 1902

Subdivisions of

Oct. 28th 1902: At 8 a.m.,
 l.m.t. I set off $12^{\circ}55'$ S. on the
 decl. arc; $34^{\circ}51'$ N. on the lat. arc,
 and determine a true meridian
 with the solar at the cor. of secs.
 21, 22, 27 and 28. Thence I run

S. $0^{\circ}02'$ E. bet. secs. 27th & 28.

Over mountainous land.

Through dense brush.

Descending along slope
 of mesa.

0.15

Gulch, Course N.

4.40

Descend to cañon.

17.00

Bottom of cañon, 200 ft.

deep. Course N. Ascend abruptly.

20.00

Top of bluff. Bears E. and N.
 Descend.

25.50

Bottom of cañon, 400 ft. deep
 Course N. Ascend abruptly.

Top 17 N. R. 6 E.

- 30.15 Top of bluff, bears E and N. Descend
- 39.70 Gulch, Course N.
- 40.00 Set a sandstone 17x12x4 ins.
 in a md. of stone for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face.
 From which
 a pinon 8 ins. diam. bears
 S. 15° N. 69 lbs. west. marked
 $\frac{1}{4}$ S. 28 B. T.
 No other tree in distance
 Raise a md. of stone 2 $\frac{1}{2}$ ft.
 base $\frac{1}{2}$ ft. high. N. of cor.
 Pits unpracticable.
 Ascend.
- 45.50 Top of ridge bears E. and N.
 Descend
- 53.30 Gulch, course N. 80° N. Ascend.
- 63.00 Edge of bluff, bears E. and N.
 Descend abruptly.

Subdivisions of

80.00 Set a sandstone 17x10x5 ins
 in a md. of stone for cor.
 of sec. 27, 28, 33 and 34.
 marked with 3 notches on
 E. and 1 notch on S edges.
 and raised a md. of stone
 3 ft. base, 2 ft. high N. of cor.
 Pits unpracticable.
 Land mountainous 80.00 cks.
 Dense brush 80.00 cks.
 Soil rocky 4th rate.

Sp. 17 N. R. 6 E.

N. on a random line bet. secs.
28 and 33.

40.00 Set temp $\frac{1}{4}$ sec. cor.

80.00 The cor. of secs. 28, 29, 32 and 33.
Thence I run E. on a true line
bet. secs. 28 and 33.

Over mountainous land.

Through dense brush descending

13.40 Guech, course N. 20° W.

Ascend precipitous sandstone
bluff.

32.40 Top of bluff. bears N. 10° E. and
S. 10° W. Descend.

40.00 Set a sandstone 26 x 8 x 8 ins.
in a rd. of stone for $\frac{1}{4}$ sec. cor
marked $\frac{1}{4}$ on N. face,
from which.

A new 12 ins. diam. bore
N. 80° E. 76 lbs. dist. marked
 $\frac{1}{4}$ S. 28 B. T.

Subdivisions of

- No other tree in distance
 Raised a md. of stone $2\frac{1}{2}$
 ft. base, $1\frac{1}{2}$ ft. high N.
 of cor. Pits impracticable
 42.45 Gulch Course S. N.
 80.00 The cor. of secs, 27, 28, 33
 and 34.

Land mountainous rocks.
 Dense brush and
 scattering yew 80.00cks.
 Soil rocky. 4th rate.
 Oct. 28th 1902

Sp. 17 N. R. 6 E.

Oct 29th 1902. At 8 a.m., l.m.f. I set off $13^{\circ}15'$ on the decl. arc; $34^{\circ}50'$ N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 27, 28, 33 and 34.

Thence I run.

S. $0^{\circ}02'$ E. on a random line bet. secs. 33 and 34

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.60 Intersect 4th Standard Parallel, N. at the standard cor. of secs. 33 and 34.

Thence I run

N. $0^{\circ}02'$ N. on a true line bet. secs. 33 and 34.

Over mountainous land.

Ascending through dense brush.

6.50 Foot of precipitous bluff 300 ft. high. Ascend.

60

Subdivisions of Sp 17 N. R. 6 E.

- 34.20 Top of bluff. bears East N.
Descend abruptly
- 38.60 Set a sandstone 26 x 14 x 5 in
in a md. of stone for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ on N. face
from which
a new 8 jms diam. bears
N. 46° E. 52 lbs. dist. marked
 $\frac{1}{4}$ D. 34 B. T.
No other tree in distance
Raise a md. of stone 2 $\frac{1}{2}$ ft
high 3 $\frac{1}{2}$ ft. base N of cor.
Pits unpracticable
- 47.85 Gulch, 200 ft. deep. Course
N. 85° W. Ascend.
- 55.50 Top of bluff. bears East
N.
- 61.30 Gulch 250 ft. deep.
Course S. 65° W. Ascend.

Concluded, Book 297.

BOOK 296