See Index

FIELD-NOTES

OF *No. 1311*

The *Exterior* .... Lines of

Townships *13 14 15 16 and 17 No.* BOOK 1311

Ranges *17 18 19 20 and 21 East,*

Gila and Salt River *Meridian, Arizona.*

BY

Henry Weyerhaeuser Deputy Surveyor,

under his contract of *June 28th* 188 *2.*

Survey commenced *April 16 th* 188 *3*

Survey completed *June 27 th* 188 *3*

...

Platted by ....

No. 1311 188

Copied for Washington by ....

.... 188

Copied for Register by ....

.... 188

BOOK 1311

N E & S   T. 14 N., R. 17 E.
N & E   T. 15 N., R. 17 E.
S & E   T. 15 N., R. 18 E.
W   T. 16 N., R. 18 E.
W   T. 17 N., R. 19 E.
N & S   T. 15 N., R. 21 E.

Chains.

Before proceeding ~~further~~ with the exteriors of this Tp.,
I made a change of 6 minutes in the latitude arc
subtracting same from
given; and at noon verified and
ation on the sun. I also fur-
reversing.

& 14   Rs. 17 & 16 E.

random line on S. B. of Tp.
Va. 13° 30' East.

every half mile, and at 6 miles
int 430 lks. South of Cor. to Tps,
7 & N 18 E, which is a
limestone, set firmly in the ground,
marked with 6 notches on each
edge and with a mound of
stone alongside;

From which corner I run.
S. 89°30' W. on a true line between sections 1 & 36.
Va. 13° 30' East.

Descend.

For Preliminary Matters and
description of instrument
used — see book No. 1.

S. B. T. 14 N. R. 17 E. G. & S. R. M.

No. 1311

Chains.

Before proceeding ~~further~~ with the exteriors of this Tp.,
I made a change of 6 minutes in the latitude arc
of my solar compass by subtracting same from
the reading previously given, and at noon verified and
corrected same by observation on the sun. I also fur-
ther tested instrument by reversing.

From the Cor. to Tps. 13 & 14 Rs. 17 . & 16 E,
previously set by me.

I run East on a random line on S B. of Tp.

Va. 13° 30' East.

I set temporary corners at every half mile, and at 6 miles
7.70 chs. I arrive at a point 4.30 lks. South of Cor. to Tps,
13 & 14 N, Rs. 17 & 18 E, which is a
limestone set firmly in the ground,
marked with 6 notches on each
edge and with a mound of
stone alongside;

From which corner I run.

S. 89° 30' W. on a true line between sections 1 & 36.

Va. 13° 30' East.

Descend.

Chains.

218.12	Cross Creek, 30 lks. wide, Course N. 30° W. and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone,

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on

U. face, and raised a mound of stone 1$\frac{1}{2}$ ft. high,

3$\frac{1}{2}$ ft. base around post. Pits impracticable.

from which

A Pine 6 ins. diam. bears N. 56° E,   15 lks. dist.

marked $\frac{1}{4}$ S. B. T.

A Pine 6 ins. diam. bears S. 27° E,   23 lks. dist.

marked $\frac{1}{4}$ S. B. T.

53.00	Top of Spur, bears N. 10° E. and descend.
63.35	Cross Wash, 40 lks. wide, Course N. 27° E and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone,

12 ins. in the ground, for Cor. to Secs. 1, 2, 35 and 36

marked T. 14 N. S. 36 , on N. E., R. 17 E , S. 1

on S. E. S. 2 on S. W. and S. 35 on N. W. faces,

with 5 notches on N and 1 notch on E. edges,

dug pits, 18 x 18 x 12 ins. in each Sec., 5$\frac{1}{2}$ ft. dist.,

and raised a mound of earth 2 ft. high, 4$\frac{1}{2}$ ft. base

around post.

Land mountainous

Soil 4th rate,

Heavy timber of Pine and Cedar.

Undergrowth of Juniper.

Chains.

S. 89° 30' W on a true line between sections 2 and 35.

Va. 13° 45' East.

Ascend.

18.00 | Top of Ridge, bears N. W. and descend.

40.00 | Set a line stone 24 x 12 x 8 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone alongside. Pits from which impracticable.

A Pine 6 ins. diam. bears S. 19° W, 66 lks. dist. marked ¼ S. B. T.

A Cedar 4 ins. diam. bears N. 71° E, 53 lks. dist. marked ¼ S. B. T.

55.85 | Cross Creek, 50 lks. wide, Course N. 20° E. and ascend.

80.00 | Set a line stone 16 x 12 x 6 ins. 11 ins. in the ground for Cor. to Secs. 2, 3, 34 & 35 marked with 4 notches on N and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable. from which

A Pine 7 ins. diam. bears N. 43° E, 83 lks. dist. marked T. 14 N, R. 17 E, S., 35 B. T.

A Pine 4 ins. diam. bears S. 81° E, 56 lks. dist. marked T. 13 N, R. 17 E, S., 2 B. T.

Chains.

	A Pine 8 ins. diam. bears S. 82°W, 32 lks. dist.
	marked T. 13 N, R. 17 E, S., 3 B. T.
	No other trees within limits.
	Land mountainous
	Soil 4 th rate,
	Heavy timber of Pine and Cedar.
	Undergrowth of Juniper.

S. 89° 30' W. on a true line between sections 3 and 34.

Va. 13° 45' East.

Ascend.

16.00	Top of Ridge, bears N. 30° W. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone.
	12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
	N. face, and raised a mound of stone 1½ ft. high,
	3½ ft. base around post. Pits impracticable.
	from which
	A Pine 6 ins. diam. bears S. 32° E, 78 lks. dist.
	marked ¼ S. B. T.
	A Pine 8 ins. diam. bears N. 37° W, 28 lks. dist.
	marked ¼ S. B. T.
59.70	Cross Creek, 40 lks. wide, Course N. E. and ascend.

Chains.

80.00	Set a post 4 ft. long, 4 ins. square, with marked stone.

Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 3, 4, 33 ᵃⁿᵈ 34, marked T. 14 N. S. 34, on N. E., R. 17 E, S. 3 on S. E., S. 4 on S. W, and S. 33 on N. W. face, with 3 notches on N and 3 notches on E. edges; and raised a mound of stone 2 ft. high, 4½ ft. base around post. Pits impracticable. *from which*

A Pine 8 ins. diam. bears N. 41° E, 82 lks. dist. marked T. 14 N, R. 17 E, S, 34 B. T.

A Pine 9 ins. diam. bears S. 27° E, 63 lks. dist. marked T. 13 N, R. 17 E, S, 3 B. T.

A Pine 10 ins. diam. bears S. 40° W, 14 lks. dist. marked T. 13 N, R. 17 E, S, 4 B. T.

A Pine 6 ins. diam. bears N. 25° W, 41 lks. dist. marked T. 14 N, R. 17 E, S., 33 B. T.

Land mountainous
Soil 4ᵗʰ rate,
Heavy timber of Pine, cedar ᵃⁿᵈ Juniper.
Undergrowth of same.

S. B. T. 14 N. R. 17 E. G. & S. R. M.

Chains.

S. 89°30′W. on a true line between sections 4 and 33.

Va. 13°45′ East.

Ascend.

40.00	Set a Sand stone 16 x 10 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
58.00	Top of Ridge, bears N. 30°E. and descend.
80.00	Set a Sand stone 18 x 12 x 4 ins. 12 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on N. and 4 notches on E. edges and raised a mound of stone. alongside, Pits impracticable. from which

A Pine 6 ins. diam. bears N. 52°E, 30 lks. dist. marked T. 14 N, R. 17 E, S., 33 B. T.

A Pine 10 ins. diam. bears S. 35°W, 34 lks. dist. marked T. 13 N, R. 17 E, S., 5 B. T.

A Pine 8 ins. diam. bears N. 17°W, 23 lks. dist. marked T. 14 N. R. 17 E, S., 32 B. T.

No other trees within limits.

Land Mountainous

Soil 3m rate.

Chains.

Timber of Pine and Cedar.

Underground of same.

S. 89° 30' W. on a true line between sections 5 and 32.

Va. 13° 30' East.

Descend.

2.40 Cross Creek, 20 lks. wide, Course N. 30° E. and ascend.

40.00 Set a   lime stone 16 x 14 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. alongside.   Pits impracticable.

from which

A Pine 8 ins. diam. bears S. W.   68 lks. dist.

marked ¼ S. B. T.

A Pine 6 ins. diam. bears N. 51° W.   31 lks. dist.

marked ¼ S. B. T.

40.00 Top of Ridge, bears N. and S.   and descend.

80.00 Set a   lime stone 24 x 12 x 6 ins. 18 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32 marked with 1 notch   on N and 5 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

from which

Chains.

A Cedar 8 ins. diam. bears N. 39 W., 44 lks. dist.

marked T. 14 N. R. 17 E. S., 31 B. T.

A Pine 6 ins. diam. bears N. 87° E., 46 lks. dist.

marked T. 14 N R. 17 E. S., 32 B. T.

No other trees within limits.

Land mountainous.

Soil 3rd rate

Undergrowth of Juniper.

Timber of Pine, Cedar and Juniper

S. 89° 30' W. on a true line between sections 6 and 31.

Va. 13° 30' East.

Descend.

29.00	Cross Creek, 20 lks. wide, Course N. 10° E. and ascend.
40.00	Set a Sand stone 20 x 12 x 10 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. alongside. Pits impracticable.

from which

A Pine 10 ins. diam. bears N. 51° E, 20 lks. dist.

marked ¼ S. B. T.

Chains.

	A Pine 8 ins. diam. bears S 54°E, 26 lks. dist.
	marked ¼ S. B. T.
49.50	Top of Spur, bears S. E. and descend.
63.10	Cross Wash, 20 lks. wide, Course S.E. and ascend.
72.00	Top of Ridge, bears N.E. and descend.
87.70	The Cor. to Tps. 13 and 14 N. Rs. 16 & 17 E.

Land mountainous
Soil 3rd rate,
Heavy timber of Pine and Cedar.
Undergrowth of same and Juniper.

April 10th 1888.

E. B. T. 14 N. R. 17 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 13 and 14 N. Rs. 17 & 18 E,

previously described, I run,

North on a true line between sections 31 and 36.

Va. 13° 30' East.

Descend.

15.00	Cross Wash, 6 lks. wide, Course W. and ascend.
40.00	Set a lime stone 19 x 12 x 4 ins., 14 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S . of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
80.00	Set a lime stone 21 x 15 x 9 ins. 16 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edges and raised a mound of stone. alongside, Pits impracticable. Land rolling.

Soil 2nd rate

Undergrowth of Juniper.

E. B. T. 14 N. R. 17 E. G. & S. R. M.

Chains.	
	North on a true line between sections 25 & 30.
	Va. 13° 30' East.
	Ascend.
40.00	Set a lime stone 17 x 10 x 7 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. alongside. Pits impracticable.
58.00	Top of Ridge, bears N. 38° W. and descend.
80.00	Set a lime stone 25 x 13 x 12 ins. 19 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. edges and raised a mound of stone. alongside, Pits impracticable. Land rolling.
	Soil 3rd rate
	Undergrowth of Juniper.

Chains.

	North on a true line between sections 19 and 24,
	Va. 13° 30' East.
	Descend.
40.00	Set a sand stone 25 x 15 x 11 ins., 19 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone alongside. **Pits** impracticable.
41.12	Top of Ridge, bears N. 30° W. and descend.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 13, 18, 19 and 24, marked T. 14 N. S. 18 , on N. E., R. 18 E.; S. 19 on S. E. S. 24 on S. W. and S. 13 on N. W. faces, R. 17 E. with 3 notches on S. and 3 notches on N. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	Land rolling.
	Soil 3rd rate
	Undergrowth of Juniper.

E. B. T. 14 N. R. 17 E. G. & S. R. M.

Chains.

North on a true line between sections 13 and 18

Va. 13° 30' East.

Over level land

40.00 | Set a lime stone 15 x 10 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.

45.00 | Foot of Spur, bears E. and ascend.

57.18 | Top of Spur, bears N. E. and descend.

80.00 | Set a lime stone 18 x 11 x 7 ins. 12 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.

Land level. and rolling.

Soil 2nd rate

Vegetation, bunchgrass.

E. B. T. 14 N. R. 17 E. G. & S. R. M.

Chains.

North on a true line between sections 7 and 12.

Va. 13° 30' East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
W. face, dug pits, 18 x 18 x 12 ins., N. and S. of
post 5½ ft. dist., and raised a mound of earth 1½ ft.
high, 3½ ft. base around post.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone,
2 ins. in the ground, for Cor. to Secs. 1, 6, 7 and 12,
marked T. 14 N S. 6 , on N. E., R. 18 E , S. 7
on S. E.. S. 12 on S. W. and S. 1 on N. W. face,
with 5 notches on S. and 1 notch on N. edges;
dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,
and raised a mound of earth 2 ft. high, 4½ ft. base
around post.
Land rolling.

Soil 2nd rate

Undergrowth of Juniper.

Chains.

North on a true line between sections 1 and 6

Va. 13° 30' East

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
W. face, dug pits, 18 x 18 x 12 ins., N. and S. of
post 5½ ft. dist., and raised a mound of earth 1½ ft.
high, 3½ ft. base around post.

86.00 Set a   lime stone 27 x 6 x 6 ins. 20 ins. in
the ground, for Cor. to Tps. 14 and 15½. R's 17 and
18 E., marked with 6 notches on each edge, dug pits, 24
x 18 x 12 ins. lengthwise on each line, N. S. E. and W.
of stone, 6 ft. dist., and raised a mound of earth 2½ ft.
high, 5 ft. base. alongside.

Land rolling.

Soil 2nd rate

Undergrowth of juniper.

Before proceeding further with the exteriors of this Tp.,
I made a change of **0** minutes in the latitude arc
of my solar compass by   adding   same   to
the reading previously given, and at noon verified and
corrected same by observation on the sun. I also fur-
ther tested instrument by reversing.

From the Cor. to Tps. 14 & 15 N, Rs. 17 . & 18 E,
I run   West   on a random line on N. B. of Tp.

              Va. 14°00'   East.

I set temporary corners at every half mile, and at 6 miles
8.30 chs. I arrive at a point 512 lks. North of Cor. to Tps.

14 and 15 N, Rs. 16 and 17 E, previously set by me.

              From which corner I run.

N. 89° 23' E. on a true line between sections 6 and 31.

              Va. 13°30'   East.

Descend.

08.30	Cross Wash, 20 lks. wide, Course N. 20° E. and ascend.
48.30	Set a lime stone 18 x 9 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. alongside. Pits impracticable.
72.30	Top of Ridge, bears N. 20° E. and descend.
88.30	Set a lime stone 16 x 10 x 6 ins. 11 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on N. and 5 notches on E. edges and raised a mound of stone. alongside. Pits impracticable. Land mountainous. Soil 2nd and 3rd **rate** Vegetation, bunchgrass.

N 89° 23' E. on a true line between sections 5 and 32.

              Va. 13°30'   East.

Descend.

1.00	Cross Creek, 40 lks. wide, Course N. 30° E. and ascend.
19.00	Top of Spur, bears N. and descend.
28.75	Cross Creek, 60 lks. wide, Course N. 30° W. and ascend.
40.00	Set a lime stone 24 x 12 x 8 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. alongside. Pits impracticable.

U. B. T. 14 N. R. 17 E. G. & S. R. M.

Chains.	
80.00	Set a lime stone 20 x 12 x 8 ins. 15 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on W. and 4 notches on E. edges and raised a mound of stone. alongside. Pits impracticable. Land mountainous. Soil 3rd rate Undergrowth of Juniper and Cedar.

N. 87° 28' E. on a true line between sections 4 and 33.

Va. 13° 30' East.

Ascend.

40.00	Set a lime stone 16 x 8 x 6 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. alongside. Pits impracticable.
48.00	Top of Ridge, bears N. 30° W. and descend.
80.00	Set a lime stone 24 x 10 x 8 ins. 18 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on W. and 3 notches on E. edges and raised a mound of stone. alongside, Pits impracticable. Land mountainous. Soil 3rd rate Undergrowth of Cedar.

ains.

N 89°23'E. on a true line between sections 3 & 34.

Va. 13°30' East.

Descend.

28.00 | Cross Wash, 19 lks. wide, Course N.30°E. and ascend.

40.00 | Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
post 5½ ft. dist., and raised a mound of earth 1½ ft.
high, 3½ ft. base around post.

80.00 | Set a post 4 ft. long, 4 ins. square, with marked stone.
12 ins. in the ground, for Cor. to Secs. 2, 3, 34 & 35
marked T.14N S. 35, on N. E., R. 17E., S. 2
on S. E., S. 3 on S. W. and S. 34 on N. W. faces
with 4 notches on N. and 2 notches on E. edges;
dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,
and raised a mound of earth 2 ft. high, 4½ ft. base
around post.

Land mountainous.

Soil 2nd & 3rd rate

Vegetation, bunchgrass.

chains.	
	N. 89° 28' E. on a true line between sections 2 and 35.
	Va. 13° 30' East.
	Ascend.
17.00	Top of Spur, bears N. E. and descend.
35.00	Cross Wash, 6 lks. wide, Course N. E. and ascend.
40.00	Set a Sand stone 20 x 12 x 10 ins., N ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
56.00	Top of Spur, bears N. W. and descend.
80.00	Set a Sand stone 27 x 18 x 4 ins. 19 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on W. and 1 notch on E. edges and raised a mound of stone. alongside, Pits impracticable. Land mountainous.
	Soil 2nd rate
	Vegetation, bunchgrass.

hains.

N.89°23'E. on a true line between sections 1 and 36.

Va. 14°15' East.

Ascend.

1.00	Top of Spur, bears N. and descend.
30.20	Over level land
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	The Cor. to Tps. 14 and 15 N. Rs. 17 & 18 E.

Land mountainous. and level.

Soil 2nd rate

Vegetation, bunchgrass.

april 11th, 1883.

E. B. T. 15 N. R. 17 E. G. & S. R. M.

hains.

From the Cor. to Tps 14 + 15 N. Rs 17 + 18 E recently
established by me. I found —

North on a true line between sections 31 and 36.

Va. 14° 00′ *East.*

Over level land

40.00 | Set a   sand stone 24 x 12 x 6 ins., 18
ins. in the ground, for ¼ Sec. Cor., marked ¼ on *W.*
face, dug pits, 18 x 18 x 12 ins., *N.* and *S.* of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

42.00 | Leave level land   and ascend.

55.00 | Top of Spur, bears *E.* and *W.*   and descend.

80.00 | Set a post 4 ft. long, 4 ins. square, with marked stone.
12 ins. in the ground, for Cor. to Secs. 25, 30, 31 and 36,
marked T. 15 N. S. 30 , on N. E., R. 18 E , S. 31
on S. E.. S. 36 on S. W and S. 25 on N. W. faces,
with 1 notch   on S. and 5 notches   on W. edges;
dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,
and raised a mound of earth 2 ft. high, 4½ ft. base
around post.
Land *mountainous* and level.
Soil 3rd and 4th rate,
Timber of *Juniper* and *Cedar.*
Undergrowth of same.

North **on a true line between sections** 25 ᵉᵃ 30.

Va. 14°00′ **East.**

Descend.

20.00	Enter dry basin, bears N. 70° W.
32.00	Leave basin, bears N. 60° W. and ascend.
40.00	Set a Sand stone 14 x 12 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S . of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
58.00	Enter Cedar timber.
80.00	Set a Sand stone 28 x 6 x 4 ins. 21 ins. in the ground for Cor. to Secs. 19, 24, 25 ᵉᵃ 00, marked with 2 notches on S. and 4 notches on N. edges and raised a mound of stone. alongside. Pits impracticable. Land rolling.

Soil 2ⁿᵈ & 3ʳᵈ rate

Undergrowth of Cedar

Timber of Cedar,

ains.

	North on a true line between sections 19 & 24.
	Va. 14°00' East.
	Ascend.
40.00	Set a Sand stone 18 x 16 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. alongside. **Pits impracticable.**
2.00	Top of Spur, bears S. W. and descend.
0.00	Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 13, 18, 19 & 24 marked T. N11 S. 18 , on N. E., R. 18 E , S. 19 R. 17 E. on S. E. S. 24 on S. W. and S. 13 on N. W. faces, with 3 notches on S. and 3 notches on W. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post. Land mountainous.
	Soil 3rd & 4th **rate**
	Vegetation, bunchgrass.

C Chains.

	North on a true line between sections 13 and 18.
	Va. 14°00' East.
	Descend.
11.30	Cross Wash, 10 lks. wide, Course S.W. and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
56.00	Top of Ridge, bears S. 60° W. and descend.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 7, 12, 13 and 18 marked T. 15 N. S. 7, on N. E., R. 18 E., S. 18 on S. E. R. 17 E. S. 13 on S. W. and S. 12 on N. W. faces with 4 notches on S. and 2 notches on W. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post. Land mountainous. Soil 2nd and 3rd rate Vegetation, bunchgrass.

Chains.	
	North on a true line between sections 7 and 12,
	Va. 14°00' East.
	Descend.
6.00	Cross Wash, 20 lks. wide, Course N.E. and ascend.
35.00	Top of Spur, bears N.E. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notch on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.
	Land mountainous.
	Soil 3rd and 4th rate
	Vegetation, bunchgrass.

Chains.

	North on a true line between sections 1 and 6,
	Va. 14° 00′ East.
	Descend.
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
72.80	Cross Wash, 50 lks. wide, Course N. 27 W. and ascend.
80.00	Set a Sand stone 24 x 16 x 10 ins. 18 ins. in the ground, for Cor. to Tps. 15 and 16 N R's 17 and 18 E., marked with 6 notches on each edge, and raised a mound of stone. alongside. Pits impracticable. Land mountainous.
	Soil 3rd & 4th **rate**
	Vegetation, bunchgrass.

Chains.

Before proceeding further with the exteriors of this Tp.
I made a change of   5   minutes in the latitude arc
of my solar compass by   adding   same   to
the reading previously given, and at noon verified and
corrected same by observation on the sun. I also fur-
ther tested instrument by reversing.

I took the latitude and found it to be 34° 42' N.

From the Cor. to Tps. 15 & 16 N, Rs. 17 & 18 E,
~~just established~~ —
I run   West.   on a random line on N. B. of Tp.

Va. 13° 30'   East.

I set temporary corners at every half mile, and at 6   miles
7.60 chs. I arrive at a point 546 lks. North of Cor. to Tps.

15 and 16 N, Rs. 16 and 17 E,   previously set by me.

From which corner I run.

N. 89° 21' E. on a true line between sections 6 and 31.

Va. 14° 15'   East.

Ascend.

Chains	
18.60	Top of Ridge, bears N. and S. and descend.
29.60	Cross Wash, 6 lks. wide, Course N. 20° E. and ascend.
46.60	Top of Ridge, bears N. and S. and descend.
47.60	Set a post 3 ft. long, 3 ins. diam. with marked stone.

Chains.	
	12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
	U. face, dug pits, 18 x 18 x 12 ins., E. and W. of
	post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
	high, $3\frac{1}{2}$ ft. base around post.
87.60	Set a post 4 ft. long, 4 ins. square, with marked stone,
	12 ins. in the ground, for Cor. to Secs. 5, 6, 31 & 32,
	marked T. 16 U S. 32, on N. E., R. 17 E, S. 5
	on S. E. S. 6 on S. W and S. 31 on N. W. faces,
	with 1 notch on N. and 5 notches on E. edges;
	dug pits, 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.,
	and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
	around post.
	Land mountainous.
	Soil 3rd rate
	Undergrowth of Juniper.

N. B. T. 15 N. R. 17 E. G. & S. R. M.

Chains.

N. 89° 21' E. on a true line between sections 5 & 32.

Va. 14° 15' East.

Descend.

18.05	Cross Creek, 30 lks. wide, Course N. 27° E. and ascend.
37.00	Top of Spur, bears N. 20° E. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone, 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
72.70	Cross Wash, 5 lks. wide, Course N. 35 W. and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 4, 5, 32 & 33, marked T. 16 N S. 33, on N. E., R. 17 E, S. 4 on S. E. S. 5 on S. W. and S. 32 on N. W. faces, with 2 notches on W. and 4 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post.

Land mountainous.

Soil 3rd rate

Undergrowth of Juniper.

Chains.	

N. 89° 21' E. on a true line between sections 4 ^{and} 33.

<div align="right">Va. 14° 15' East.</div>

Ascend.

40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone.
	12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
	N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
	post 5½ ft. dist., and raised a mound of earth 1½ ft.
	high, 3½ ft. base around post.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone.
	12 ins. in the ground, for Cor. to Secs. 3, 4, 33 ^{and} 34,
	marked T. 16 N S. 34 , on N. E., R. 17 E, S. 3
	on S. E.. T. 15 N. S. 4 on S. W. and S. 33 on N. W. faces,
	with 3 notches on W. and 3 notches on E. edges,
	dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,
	and raised a mound of earth 2 ft. high, 4½ ft. base
	around post.

Land rolling.

Soil 3rd rate

Undergrowth of Cedar ^{and} Pine.

Chains.

N. 89° 21' E. on a true line between sections 3 and 34.

Va. 14° 00' East.

Ascend.

40.00 | Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.

62.00 | Top of Ridge, bears N. W. and S. E. and descend.

80.00 | Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 2, 3, 34 and 35, marked T. 164 S. 35, on N. E., R. 178, S. 2 on S. E. S. 3 on S. W. and S. 34 on N. W. faces, with 4 notches on W and 2 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post.
Land mountainous.
Soil 3ᵈ rate
Undergrowth of Pine and cedar.

N. B. T. 15 N. R. 17 E. G. & S. R. M.

Chains.

N. 89° 21' E. on a true line between sections 2 & 35.

Va. 13° 45' East.

Descend.

40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
47.50	Head of Ravine, Course N. W. and ascend
68.40	Top of Spur, bears N. 30° W. and descend.
80.00	Set a Sand stone 22 x 20 x 20 ins. 16 ins. in the ground for Cor. to Secs. 1, 2, 35 & 36 marked with 5 notches on N. and 1 notch on E. edges and raised a mound of stone. alongside. Pits impracticable. from which

A Juniper 3 ins. diam. bears N. 13° E., 23 lks. dist. marked T. 16 N. R. 17 E., S., 36 B. T.

No other trees within limits.

Land mountainous.

Soil 3rd Rate

Dense undergrowth of Cedar & Juniper.

Chains.

N. 89° 21' E. on a true line between sections 1 ͫ 36,

                                        Va. 13° 30' East.

Descend.

40.00 Set a   Sand stone 16 x 12 x 4 ins., 11
ins. in the ground, for ¼ Sec. Cor., marked ¼ on N.
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.   from which
A Cedar 3 ins. diam. bears N. 32° W, 59 lks. dist
marked ¼ S. B. T.

No other trees within limits.

67.46 Cross Wash, 20 lks. wide, Course N. and ascend.
80.00 The Cor. to Tps. 15 ͫ 16 N. Rs. 17 & 18 E.

Land mountainous.

Soil 3ʳᵈ Rate

Dense undergrowth of Cedar ᵃⁿᵈ Juniper
                  April 12ᵗʰ 1883.

N. B. T. 14 N. R. 21 E. G. & S. R. M.

Chains.

Before proceeding further with the exteriors of this Tp.,
I made a change of 6 minutes in the latitude arc
of my solar compass by ~~adding~~ Subtracting same ~~to~~ from
the reading previously given, and at noon verified and
corrected same by observation on the sun. I also fur-
ther tested instrument by reversing.

From the Cor. to Tps. 14 an 15 N. Rs. 21 & 22 E,
which is a sandstone, set firmly in
the ground, marked with 6 notches
on each edge and with a
mound of stone, in good order,
along side.

I run West. on a random line on N. B. of Tp.

Va. 13° 51' East.

I set temporary corners at every half mile, and at 5 miles
78.00 chs. I arrive at a point 76 lks. South of Cor. to Tps,

14 and 15 N, Ro. 20 an 21 E, which
is a sandstone, set firmly in the
ground, marked with 6 notches on
each edge; with pits in each sec,
N, S, E an W of stone, 6 ft. dist, and a
mound of earth, in good order along side;

Chains.

from which

A Juniper 15 ins. diam. bears N 12°W 122 lks. dist.
marked T. 15 N R. 20 E, S., 36 B. T.

A Juniper 8 ins. diam. bears N 67°E 73 lks. dist.
marked T. 15 N R. 21 E, S., 31 B. T.

A Juniper 7 ins. diam. bears S 23 E 50 lks. dist.
marked T. 14 N R. 21 E, S., 6 B. T.

A Juniper 11 ins. diam. bears S 82 N 310 lks. dist.
marked T. 14 N R. 20 E, S., 1 B. T.

From which corner I run.

S 89° 04' E. on a true line between sections 6 and 31.

Va. 13° 51' East.

Over rolling land.

4.00	Leave Timber, Bears. N. and S.
38.00	Set a Sand stone 20 x 10 x 7 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
78.00	Set a Sand stone 18 x 14 x 4 ins. 12 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on N and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.

N.B. **T.** 14 **N. R.** 21 **E. G. & S. R. M.**

Chains.

	Land rolling.
	Soil 3rd **rate**
	Vegetation, bunchgrass.

S. 89° 54' E. on a true line between sections 5 and 32.

                   Va. 13° 51' **East.**

Over rolling land.

16.00   Top of Spur, bears N. and S.   and descend.

40.00   Set a   Sand stone 14 x 10 x 8 ins., 9
ins. in the ground, for ¼ Sec. Cor., marked ¼ on N.
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

45.00   Cross Wash, 200 lks. wide, Course S. E. and ascend.

65.00   Enter Timber, Bears. N. and S.

80.00   Set a   Sand stone 17 x 10 x 8 ins. 11 ins. in
the ground for Cor. to Secs. 4, 5, 32 and 33, marked
with 2 notches on W and 4 notches on E. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
mound of earth 2 ft. high 4½ ft. base. alongside.

                   from which

A Juniper 7 ins. diam. bears N. 78° E, 63 lks. dist.

U.B. T. 14 N. R. 21 E. G. & S. R. M.

No. 1311

Chains.

marked T. 15 4. R. 21 E., S., 33 B. T.

A Juniper 12 ins. diam. bears S. 27° E., 76 lks. dist.
marked T. 14 4 R. 21 E, S., 4 B. T.

A Juniper 9 ins. diam. bears S. 4 3° W., 200 lks. dist.
marked T. 14 4. R. 21 E, S., 5 B. T.

A Juniper 9 ins. diam. bears N. N° W., 127 lks. dist.
marked T. 15 4 R. 21 E, S., 32 B. T.

Land mountainous
Soil 3ᵃᵘ rate,
Heavy timber of Juniper and Pine,
Undergrowth of same.

S. 89° 54' E. on a true line between sections 4 and 33,

Va. 13° 51' East.

	Ascend.
13.50	Top of Ridge, bears N. and S. and descend.
40.00	Set a Sand stone 28 x 16 x 3 ins., 21 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. alongside. Pits impracticable.
52.00	Cross Wash, 30 lks. wide, Course N. 30° E. and ascend.
70.00	Top of Spur, bears N. and S. and descend.

Chains.

78.50	Cross Wash, 200 lks. wide, Course N. and ascend.
80.00	Set a Sand stone 12 x 10 x 4 ins. 8 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on W and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.

Land mountainous

Soil 3rd rate.

Timber of Juniper and Pine

Undergrowth of same.

S. 89° 54' E. on a true line between sections 3 and 34,

Va. 13° 51' East.

Ascend.

5.50	Top of Spur, bears N. and S. and descend.
34.50	Cross Wash, 200 lks. wide, Course N. E. and ascend.
40.00	Set a Sand stone 15 x 10 x 4 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
50.00	Top of Ridge, bears N. E. and S. W. and descend.

N.B. T. 14 N R. 21 E. G. & S. R. M.

Chains.	

71.90 Cross Road, bears, N. 10° W,

80.00 Set a   Sand stone 16 x 12 x 8 ins. 11 ins. in
the ground for Cor. to Secs. 2, 3, 34 & 35, marked
with 4 notches on W and 2 notch Es on E. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
mound of earth 2 ft. high 4½ ft. base. alongside.

from which

A Juniper 8 ins. diam. bears N. 15° E,   217 lks. dist.
marked T. N N, R. 21 E, S., 35 B. T.

A Juniper 7 ins. diam. bears S. 27° E,   72 lks. dist.
marked T. 14 N, R. 21 E, S., 2 B. T.

A Juniper 10 ins. diam. bears S. 84° W, 13 lks. dist.
marked T. 14 N, R. 21 E, S., 3 B. T.

No other trees within limits.

Land mountainous

Soil 3rd **rate.**

Timber of Pine and juniper.

Undergrowth of same.

Chains.

S. 89° 54' E. on a true line between sections 2 and 35.

Va. 18° 51' East.

Descend.

40.00 | Set a   Sand stone 13 x 12 x 8 ins., 9
ins. in the ground, for ¼ Sec. Cor., marked ¼ on N.
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

from which

A Juniper 9 ins. diam. bears N. 70° E., 156 lks. dist.
marked ¼ S. B. T.

A Juniper 11 ins. diam. bears S. 21° W, 212 lks. dist.
marked ¼ S. B. T.

55.00 | Cross Gulch, 30 lks. wide, Course N. and ascend.
77.00 | Leave Timber, Bears. N. and S.
80.00 | Set a   Sand stone 14 x 12 x 3 ins. 9 ins. in
the ground for Cor. to Secs. 1, 2, 35 and 36, marked
with 5 notch each on N and 1 notch on E. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
mound of earth 2 ft. high 4½ ft. base. alongside.
Land mountainous
Soil 3d rate.
Timber of Pine and Juniper
Undergrowth of same.

Chains.		
	S. 89° 54′ E. on a true line between sections 1 and 36.	
	Va. 13° 5′ East.	
	Ascend.	
36.00	Top of Ridge, bears N. and S. and descend.	
40.00	Set a Sand stone 12 x 10 x 4 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.	
68.50	Enter Silver Creek Cañon, bears N. 10° E.	
70.68	Cross Silver Creek, 18 lks. wide, Course N. 10° E.	
72.00	Leave Silver Creek Cañon and ascend.	
80.00	The Cor. to Tps. 14 and 15 N. Rs. 21 & 22 E.	
	Land mountainous.	
	Soil 3 rd rate	
	Vegetation, bunchgrass.	
	April 26th 1883.	

Chains.

From the Cor. to Tps. 15 & 16 N Rs. 21 . & 22 E,

previously described.

I run West. on a random line on N. B. of Tp.

Va. 13° 57' East.

I set temporary corners at every half mile, and at 5 miles

65.91 chs. I arrive at a point 52 lks. South of Cor. to Tps,

15 and 16 N, Rs. 20 and 21 E,

which is a sandstone, set firmly

in the ground, marked with 6 notches

on each edge, with pits lengthwise

on each line, N., S., E. and W. of stone,

6 ft. dist, and a mound of

earth in good order,

alongside,

From which corner I run.

S. 89° 56' E. on a true line between sections 6 and 31.

Va. 13° 57' East

Descend.

8.00	Cross Wash, 400 lks. wide, Course N. E. and ascend.
25.91	Set a sand stone 20 x 6 x 6 ins., 15
	ins. in the ground, for ¼ Sec. Cor., marked ¼ on N.

N.B. T. *15* N. R. *21* E. G. & S. R. M.

Chains.

face, dug pits, 18 x 18 x 12 ins., *E.* and *W.* of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

52.00 Top of Ridge, bears *N. & S.* and descend.

64.50 Cross Gulch, *10* lks. wide, Course *S.* and ascend.

65.91 Set a Sand stone *35* x *14* x *8* ins. *26* ins. in
the ground for Cor. to Secs. *5, 6, 31* & *32* marked
with *1* notch on *W.* and *5* notches on E. edges and
raised a mound of stone. alongside, Pits impracticable.
Land mountainous

Soil *3rd* rate.

Timber of Juniper.
Vegetation, bunchgrass.

Chains.

S. 89° 56' E. on a true line between sections 5 and 32.

Va. 13° 54' East.

Ascend.

4.00   Leave Timber, Bears. N. and S.

40.00   Set a sandstone 12 x 8 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.   Over rolling land.

80.00   Set a sandstone 16 x 12 x 8 ins. 11 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.

Land mountainous. and rolling.

Soil 3rd rate

Vegetation, bunchgrass.

N.B. T. 15 N. R. 21 E. G. & S. R. M.

	S. 89° 56' E. on a true line between sections 4 and 33.
	Vd. 18° 54' East.
	Ascend. Over rolling land.
40.00	Set a Sand stone 10 x 8 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
45.00	Top of Ridge, bears N. and S. and descend.
80.00	Set a Sand stone 16 x 12 x 8 ins. 11 ins. in the ground for Cor. to Secs. 3, 4, 33 & 34, marked with 3 notches on W. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside. Land rolling. and mountainous. Soil 3rd rate Vegetation bunchgrass.

N. B. T. 15 N. R. 21 E. G. & S. R. M.

Chains.	

S. 89° 56' E. on a true line between sections 3 and 34,

Va. 13° 54' East.

Descend. Over rolling land.

40.00 Set a   sandstone 12 x 10 x 6 ins., 8
ins. in the ground, for ¼ Sec. Cor., marked ¼ on N .
face, dug pits, 18 x 18 x 12 ins., E . and W. of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

60.00 Cross Fort apache road, bears N. W. and S. E.

80.00 Set a   sand stone 20 x 6 x 6 ins. 15 ins. in
the ground for Cor. to Secs. 2, 3, 34 and 35 marked
with 4 notches on N and 2 notches on E. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
mound of earth 2 ft. high 4½ ft. base. alongside.

Land rolling.

Soil 3rd   rate

Vegetation, bunchgrass.

N.B. T. 15 N. R. 21 E. G. & S. R. M.

ains.

S. 89° 56' E. on a true line between sections 2 and 35.

Va. 13° 54' East.

Over rolling land.

40.00 | Set a sandstone 12 x 12 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.

80.00 | Set a sand stone 15 x 12 x 8 ins. 10 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on W. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass.

N. B. T. 15 N. R. 21 E. G. & S. R. M.

Chains.

S. 89° 56' E, on a true line between sections 1 and 36.

Va. 13° 54' East.

Over rolling land.

40.00 | Set a — Sandstone 18 x 18 x 4 ins., 12 ins. in the ground, for ½ Sec. Cor., marked ½ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.

80.00 | The Cor. to Tps. 15 and 16 N. Rs. 21 & 22 E.

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

April 28th 1883.

S. B. T. 1 N. R. 18 E. G. & S. R. M.

Before proceeding further with the exteriors of this Tp.,
I made a change of 5 minutes in the latitude arc
of my solar compass by subtracting same *from*
the reading previously given, and at noon verified and
corrected same by observation on the sun. I also fur-
ther tested instrument by reversing.

From the Cor. to Tps. 14 aud 15 **N. Rs.** 17 & 18 E,
previously set by me.

I run East. on a random line on S. **B. of Tp.**

Va. 14° 00′ East.

I set temporary corners at every half mile, and at 6 miles
4.26 chs. I arrive at a point 258 lks. **South** of Cor. to Tps,

14 aud 15 U., Rs. 18 aud 19 E, which
is a sandstone, marked with
6 notches on each edge and
with a mound of stone, in good
order alongside —

From which corner I run.

S. 89° 42′ W. on a true line between sections 1 aud 36.

Va. 13° 30′ East.

Descend.

O, S. B. T. 15 N. R. 18 E. G. & S. R. M.

Chai Chains,

40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
67.00	Enter dry Lake, bears N. W. and S. E.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 1, 2, 35 & 36 marked T. 15 u S. 36, on N. E., R. 18 E, S. 1 T. 14 u. on S. E.. S. 2 on S. W. and S. 35 on N. W. faces, with 5 notches on W and 1 notch on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post. Land level. Soil 3 rd. rate Vegetation, bunchgrass.

Chains.

S. 89° 42' W. *on a true line between sections* 2 and 35

Va. 13° 45' East

Over level land

40.00 | Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
post 5½ ft. dist., and raised a mound of earth 1½ ft.
high, 3½ ft. base around post.

54.40 | Leave dry Lake, Grass N ed of and ascend.

80.00 | Set a Sand stone 24 x 16 x 8 ins. 8 ins. in
the ground for Cor. to Secs. 2, 3, 34 and 35, marked
with 4 notch on W and 2 notch on E. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
mound of earth 2 ft. high 4½ ft. base. alongside.

Land level. and rolling.

Soil 3 m rate

Vegetation, bunchgrass.

S. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.

	S. 89° 42′ W. on a true line between sections 3 and 34.
	Va. 13° 45′ East
	Ascend.
35.40	Foot of Bluff, bears N. & S. and
	ascend abruptly, through small.
40.00	Set a Sand stone 20 x 18 x 6 ins., 15
	ins. in the ground, for ¼ Sec. Cor., marked ¼ on U.
	face, and raised a mound of stone. alongside. Pits
	impracticable.
80.00	Set a Sand stone 24 x 12 x 8 ins. 18 ins. in
	the ground for Cor. to Secs. 3, 4, 33 and 34, marked
	with 3 notches on U and 3 notches on E. edges, dug pits
	18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
	mound of earth 2 ft. high 4½ ft. base. alongside.
	Land rolling.
	Soil 3rd rate
	Vegetation, bunchgrass.

S. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.

S. 89° 42' W on a true line between sections 4 and 33.

Va. 14° 00' East.

Ascend.

16.61 | A cabin, bears S. 3.13 chs. dist.

24.00 | Top of Ridge, bears S. W. and descend.

40.00 | Set a Sand stone 22 x 12 x 6 ins., 16 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.   from which

A Pine 12 ins. diam. bears N. 62° E, 71 lks. dist. marked ¼ S. B. T.

A Cedar 8 ins. diam. bears S. 10° W 48 lks. dist. marked ¼ S. B. T.

80.00 | Set a Sand stone 24 x 8 x 6 ins. 18 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33 marked with 2 notches on W and 4 notch s on E. edges and raised a mound of stone. alongside. Pits impracticable. from which

A Pine 8 ins. diam. bears N. 62½° E, 79 lks. dist. marked T. 15 N, R. 18 E, S., 33 B. T.

A Pine 12 ins. diam. bears S. 13° W, 122 lks. dist.

S. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.

marked T. 14 N R. 18 E, S., 5 B. T.

A Cedar 6 ins. diam. bears S. 60½°E,   60 lks. dist.

marked T. 14 N. R. 18 E., S., 4 B. T.

No other trees within limits.

Land mountainous

Soil 3 rd rate.

Timber of Pine and Cedar.

Vegetation, bunchgrass.

_____

S. 89° 42' W. on a true line between sections 5 and 32.

Va. 14° 10' East.

Descend.

6.00	Enter Flat, bears N. 10° E.
40.00	Set a Sand stone 14 x 8 x 4 ins., 9

ins. in the ground, for ¼ Sec. Cor., marked ¼ on N .
face, dug pits, 18 x 18 x 12 ins., E . and W. of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

58.00	Leave Flat, bears N. and S. and ascend,
80.00	Set a lime stone 24 x 12 x 6 ins., 8 ins. in

the ground for Cor. to Secs. 5, 6, 31 and 32, marked
with 1 notch on W and 5 notch on E. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a

S. B. T. 1 N. R. 18 E. G. & S. R. M.

	mound of earth 2 ft. high 4½ ft. base. alongside.
	Land rolling.
	Soil 3 od rate
	Vegetation, bunchgrass.

S. 89° 42' W, on a true line between sections 6 and 31.

Va. 14° 10'¹ East.

Ascend.

15.00	Top of Spur, bears S. 10° W. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone.
	12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
	N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
	post 5½ ft. dist., and raised a mound of earth 1½ ft.
	high, 3½ ft. base around post.
84.26	The Cor. to Tps. 14 and 15 N. Rs. 17 & 18 E.
	Land rolling.
	Soil 3 od rate
	Vegetation, bunchgrass.
	May 19th 1883.

E. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 14 ᵃⁿᵈ 15 N. Rs. 18 & 19 E,

previously ~~described~~ set by me –

I run North on a random line on E. B. of Tp.

Va. 13° 30' East.

I set temporary corners at every half mile, and at 6 miles

.84 chs. I arrive at a point 92 lks. West. of Cor. to Tps,

15 ᵃⁿᵈ 16 N, Rs. 18 ᵃⁿᵈ 19 E, which is a

sandstone, set firmly in the ground,

marked with 6 notches on each edge

& write a stone mound in good order

along side;

from which

A Pine 10 ins. diam. bears N. 35° E, 89 lks. dist.

marked T. 16 N R. 19 E, S. 31 B. T.

From which corner I run.

S. b. W. on a true line between sections 1 ᵃⁿᵈ 6

Va. 13° 30' East.

Descend.

5.24 Cross Wash, 10 lks. wide, Course N. 37° and ascend.

E. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.

40.84	Set a post 3 ft. long, 3 ins. diam. with **marked stone**, 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on W. face, dug pits, 18 x 18 x 12 ins., N . and S . of post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ **ft.** high, $3\frac{1}{2}$ ft. base around post.
74.09	Head of Ravine. Course $N. 10° W.$
80.84	Set a sand stone 20 x 12 x 8 ins. 15 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12 **marked** with 5 notches on S. and 1 notch on N. edges and raised a mound of stone. alongside. Pits unpracticable. Land rolling.
	Soil 3rd **rate**
	Vegetation, bunchgrass.

Chains.

S. 6 W. on a true line between sections 7 and 12,

Va. 13°00'   East.

Ascend.

40.00 Set a   Sand stone 16 x 10 x 3 ins., 11
ins. in the ground, for ¼ Sec. Cor., marked ¼ on W.
face, dug pits, 18 x 18 x 12 ins., N. and S. of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

80.00 Set a   Sand stone 5 x 9 x 7 ins. 10 ins. in
the ground for Cor. to Secs. 7, 12, 13 and 18, marked
with 4 notches on S. and 2 notches on E. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
mound of earth 2 ft. high 4½ ft. base. alongside.

Land rolling.

Soil 3 rate   rate

Vegetation, bunchgrass.

Chains.

S. 6' W. on a true line between sections 13 and 18.

Va. 13° 30' East.

Ascend.

40.00	Set a Sand stone 19 x 15 x 3 ins., 14 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
80.00	Set a Sand stone 20 x 11 x 4 ins. 15 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside. Land rolling. Soil 3 ou rate Vegetation, bunchgrass.

E. B, T. 10 N. R. 18 E. G. & S. R. M.

Chains.

	· S. ½ W. on a true line between sections 19 &u 24
	Va. 130 30' *East.*
	Ascend.
40.00	Set a Sand stone 15 x 10 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
80.00	Set a Sand stone 16 x 12 x 6 ins. 11 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30 marked with 2 notch es on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.
	Land rolling.
	Soil 3 ps **rate**
	Vegetation, bunchgrass.

E. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.

S. ½ W. on a true line between sections 25 & 30.

Va. 13°30′ East.

Ascend.

36.00 | Top of Divide bears E. & W. and descend.

40.00 | Set a post 3 ft. long, 3 ins. diam. with **marked stone.**
12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
W. face, dug pits, 18 x 18 x 12 ins., N. and S. of
post 5½ ft. dist., and raised a mound of earth 1½ ft.
high, 3½ ft. base around post.

74.00 | Leave Tableland and descend.

80.00 | Set a   Sand stone 28 x 12 x 3 ins. 21 ins. in
the ground for Cor. to Secs. 25, 30, 31 & 36, marked
with 1 notch on S. and 5 notches on W. edges and
raised a mound of stone. alongside, Pits impracticable.

from which

A Pine 8 ins. diam. bears N. 70° W,   54 lks. dist.
marked T. 15 N R. 18 E, S., 25 B. T.

A Juniper 15 ins. diam. bears N. 75° E,   66 lks. dist.
marked T. 15 N R. 19 E, S., 30 B. T.

No other trees within limits.
Land mountainous and rolling.
Soil 3rd rate.
Timber of Pine & Juniper.
Vegetation, bunchgrass.

62

E. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.		
	S. ½ W. on a true line between sections 31 and 36.	
	Va. 13° 30'	East.
	Descend.	
33.00	Foot of hill, bears N. 63° E. We ascend.	
40.00	Set a sandstone 16 x 10 x 3 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.	
59.00	Ascend. gradually.	
80.00	The Cor. to Tps. 14 and 15 N. Rs. 18 & 19 E.	

Land mountainous and level.

Soil 3rd rate.

Timber of Pine and Juniper.

Vegetation, bunchgrass.

I carefully examined the adjustments of my solar compass to-day. particularly the latitude and reversing apparatus, and found them correct.

May 21st 1883.

N. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.	
	Before proceeding further with the exteriors of this Tp., I made a change of *5* minutes in the latitude arc of my solar compass by *adding same to* the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.
	From the Cor. to Tps. 15 & 16 **N. Rs.** 17 & 18 E, previously set by me.
	I run East. on a random line on N. B. of Tp.
	Va. 13° 30′ East.
	I set temporary corners at every half mile, and at 6 miles 2.76 chs. I arrive at a point 312 lks. South of Cor. to Tps,
	15 & 16 N., Rs. 18 & 19 E, previously described,
	From which corner I run.
	S. 89° 38′ W. on a true line between **sections** 1 & 36.
	Va. 13° 30′ East.
	Descend.
8.50	Cross Wash, 10 lks. wide, Course N. 26 w. and ascend.
25.00	Top of Spur, bears N. and S. and descend.
40.00	Set a Sand stone 16 x 8 x 6 **ins.**, 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. alongside. **Pits** impracticable.

ains,

Cha

	from which

A Pine 8 ins. diam. bears S. 21° E, 45 lks. dist.

marked ¼ S. B. T.

A Pine 8 ins. diam. bears N. 32° W, 76 lks. dist.

marked ¼ S. B. T.

44.75 — Cross Wash, 20 lks. wide, Course N. 50° E and ascend.

80.00 — Set a post 4 ft. long, 4 ins. square, with marked stone.

12 ins. in the ground, for Cor. to Secs. 1, 2, 35 and 36,

marked T. 16 & S. 36 , on N. E., R. 18 E, S. 1

on S. E. S. 2 on S. W. and S. 35 on N. W. faces,

with 5 notches on W and 1 notch on E. edges;

dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,

and raised a mound of earth 2 ft. high, 4½ ft. base

around post.

Land mountainous and rolling.

Soil 3 & rate.

Timber of Pine.

Vegetation, bunchgrass.

N. B. T. 15 N. R. 18 E. G. & S. R. M.

S. 89° 38' W. on a true line between sections 2 and 35.

Va. 13° 45' East.

Ascend.

40.00 | Set a   sand stone 30 x 20 x 4 ins., 22 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face. and raised a mound of stone. alongside.   Pits impracticable.

54.00 | Top of Ridge, bears N. 20° W.   and descend.

0.00 | Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 2, 3, 34 and 35, marked T. 16 N S. 35, on N. E., R 18 E, S. 2 on S. E. S. T.15N. 3 on S. W. and S. 34 on N. W. faces, with 4 notches on N and 2 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post.
Land rolling. and mountainous.
Soil 3ᵃᵈ rate
Vegetation, bunchgrass.

Chains.

N. 89° 38' W. on a true line between sections 3 and 34.

Va. 13° 45' East.

Descend.

35.75	Cross Wash, 10 lks. wide, Course N. and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. with **marked stone.**

12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
post 5½ ft. dist., and raised a mound of earth 1½ ft.
high, 3½ ft. base around post.

48.00	Top of Spur, bears N. 20° E. and descend.
65.00	Cross Wash, 10 lks. wide, Course N. 35° E and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone.

12 ins. in the ground, for Cor. to Secs. 3, 4, 33 and 34,
marked T. 16 N S. 34, on N. E., R / 8 E, S. 3
on S. E. T. 15 N. S. 4 on S. W. and S. 33 on N. W. faces,
with 3 notches on W and 3 notches on E. edges;
dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,
and raised a mound of earth 2 ft. high, 4½ ft. base
around post.

Land mountainous. and rolling.

Soil 3 on rate

Vegetation, bunchgrass.

N. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.

Chains.	
	S. 89° 38' W. on a true line between sections 4 and 33.
	Va. 13° 45' East.
	Ascend.
39.00	Top of Ridge, bears N. 10° E. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. with **marked stone.** 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
67.50	Cross Wash, 12 lks. wide, Course N. 10° E and ascend.
75.00	Top of Spur, bears N. and descend.
80.00	Set a Sand stone 16 x 10 x 8 ins. 11 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, **marked** with 2 notch on N. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside. Land mountainous. Soil 3rd **rate** Vegetation, bunchgrass.

Chains.

	$S.89°38'W.$ on a true line between sections 5 and 32
	Va. $14°00'$ East.
	Descend.
8.40	Cross Wash, 10 lks. wide, Course N67E and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. with marked stone
	12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
	N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
	post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
	high, $3\frac{1}{2}$ ft. base around post.
80.00	Set a sand stone 20 x 20 x 4 ins. 15 ins. in
	the ground for Cor. to Secs. 5, 6, 31 and 32 marked
	with 1 notch on N. and 5 notches on E. edges and
	raised a mound of stone. alongside. Pits impracticable.
	Land mountainous.
	Soil 3rd rate
	Vegetation, bunchgrass.

N. B. T. 15 N. R. 18 E. G. & S. R. M.

Chains.

	S. 89° 38′ W. on a true line between sections 6 and 31.
	Va. 14°00′ East.
	Ascend.
27.00	Top of Ridge, bears N. 20° W, and descend.
40.00	Set a Sand stone 18 x 12 x 10 ins. 12
	ins. in the ground, for ¼ Sec. Cor., marked ¼ on U.
	face, and raised a mound of stone. alongside. Pits
	impracticable.
82.76	The Cor. to Tps. 15 and 16 N. Rs. 17 & 18 E.
	Land mountainous.
	Soil 3rd rate
	Vegetation, bunch grass, May 22nd 1888.

Chains.

Standard
From the Cor. to Tps.   17   N. Rs. 18 & 19 E,

which is a post, set firmly in the ground,
marked S. C. T. 17 N. on N.;
R. 18 E, S. 31 on E. & R. 17 E, S. 36 on W.
faces, with 6 notches on N, E. & W. faces;
with pits N, E. & W. of post 6 ft.
dist., and a mound of
earth, in good order, around post;

I run   North   on a random line on W. B. of Tp.
                        Va. 14° 15'   East.
I set temporary corners at every half mile, and at 5 miles
78,12 chs. I arrive at a point 197 lks. East. of Cor. to Tps,

17 and 18 N, Rs. 18 and 19 E, which is
a sandstone, set firmly in the ground,
marked with 6 notches on each edge
with pits lengthwise on each line,
N, S, E. & W. of stone, 6 ft. dist, & a mound
of earth in good order alongside —
                        From which corner I run.

ns.

S. 14° E. on a true line between sections 1 and 6.

Va. 13° 45' East.

Descend.

12 | Set a   Sand stone 19 x 10 x 4 ins., 14
ins. in the ground, for ¼ Sec. Cor., marked ¼ on W.
face, dug pits, 18 x 18 x 12 ins., N. and S. of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

12 | Set a   Sand stone 15 x 7 x 3 ins. 10 ins. in
the ground for Cor. to Secs. 1. 6, 7 and 12, marked
with 5 notches on S. and 1 notch on N. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
mound of earth 2 ft. high 4½ ft. base. alongside.

Land rolling.

Soil 3 rate

Vegetation, bunchgrass.

Chains.	
	S. 14° E. on a true line between sections 7 and 12.
	Va. 13° 45′ *East.*
	Descend.
40.00	*Set a* sand stone 17 x 10 x 4 **ins.,** 11 ins. in the ground, for ¼ Sec. Cor., **marked** ¼ *on W.* face, dug pits, 18 x 18 x 12 ins., *N. and S. of stone* 5½ ft. dist., and raised a mound of earth 1½ ft. **high,** 3½ ft. base. alongside.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 7, 12, 13 and 18 marked T. 17 N. S. 7 , on N. E., R. 19 E. S. 18 on S. E., S. 13 on S. W. and S. 12 on N. W. faces, with 4 notches on S. and 2 notches on N. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	Land rolling.
	Soil 3rd **rate**
	Vegetation, bunchgrass.

W. B. T. 17 N. R. 19 E. G. & S. R. M.

Chains.	
	S. 14° E. on a true line between sections 13 & 18.
	Va. 13° 34′ East.
	Descend.
15.40	Cross Wash, 15 lks. wide, Course N. 40° W. and ascend.
40.00	Set a Sand stone 16 x 10 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. alongside. Pits impracticable.
80.00	Set a Sand stone 15 x 12 x 3 ins. 10 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside. Land rolling.
	Soil 3rd rate
	Vegetation, bunchgrass.

W. B. T. 17 N. R. 19 E. G. & S. R. M.

Chains.	
	S. 14 'E. on a true line between sections 19 & 24.
	Va. 13° 30' East.
	Ascend.
40.00	Set a sand stone 20 x 9 x 4 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
80.00	Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 19, 24, 25 & 30, marked T. 17 N. S. 19 , on N. E., R. 19 E, S. 30 R. 18 E. on S. E. S. 25 on S. W. and S. 24 on N. W. faces, with 2 notches on S. and 4 notches on N. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	Land rolling.
	Soil 3rd rate
	Vegetation, bunchgrass

Chains.

	S. 14° E. on a true line between sections 25 & 30.
	Va. 13° 30' East.
	Ascend.
40.00	Set a Sand stone 21 x 12 x 4 ins., 16 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. alongside. Pits impracticable.
80.00	Set a Sand stone 20 x 12 x 3 ins. 15 ins. in the ground for Cor. to Secs. 25, 30, 31 & 36, marked with 1 notch on S. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.
	Land rolling.
	Soil 3rd rate
	Vegetation, bunchgrass.

Chains.

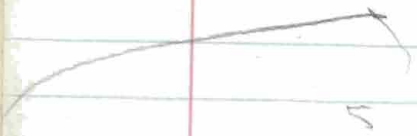|	
	S. 14' E. on a true line between sections 31 and 36.
	Va. 13° 36' East.
	Ascend.
40.00	Set a Sand stone 18 x 10 x 4 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
80.00	The Standard Cor. to Tps. 17 N. Rs. 18 & 19 E.
	Land rolling.
	Soil 3 rd rate.
	Timber of, Juniper.
	Vegetation, bunchgrass.
	June 19th 1883.

W. B. T. 16 N. R. 18 E. G. & S. R. M.

Chains.

Before proceeding further with the exteriors of this Tp.,
I made a change of ~~12~~ 5 minutes in the latitude arc
of my solar compass by . subtracting same from
the reading previously given, and at noon verified and
corrected same by observation on the sun. I also fur-
ther tested instrument by reversing.

From the Cor. to Tps. 15 ᵃⁿᵈ 16 **N. Rs.** 17 & 18 E,
previously set by me. 1 run,

North on a true line between sections 31 ᵃⁿᵈ 36.

Va. 13° 30' East.

Ascend.

18.00	Top of Spur, bears N. 30° W. and descend.
32.25	Cross Wash, 20 lks. wide, Course N. W. and ascend.
40.00	Set a Sand stone 24 x 12 x 6 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone alongside. Pits impracticable.
77.00	Top of Spur, bears N. 37° W. and descend.
80.00	Set a lime stone 14 x 10 x 6 ins. 9 ins. in the ground for Cor. to Secs. 25, 30, 31 ᵃⁿᵈ 36 marked with 1 notch on S. and 5 notches on W edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside.

Chains.

Land mountainous.

Soil 3 rd **rate**

Vegetation, bunchgrass.

_____

North on a true line between sections 25 and 30.

Va. 14° 00' East.

Descend.

12.30	Cross Wash, 10 lks. wide, Course N. 20 W. and ascend.
40.00	Set a Sand stone 18 x 14 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside.
43.00	Top of Spur, bears N. 17° W. and descend.
80.00	Set a Sand stone 20 x 10 x 6 ins. 15 ins. in the ground for Cor. to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N edges and raised a mound of stone. alongside. Pits impracticable. Land mountainous.

Soil 4 th **rate**

Vegetation, bunchgrass.

W. B. T. 16 N. R. 18 E. G. & S. R. M.

Chains.

North on a true line between sections 19 and 24,

Va. 14° 00' East.

Descend.

27.70 | Cross Wash, 15 lks. wide, Course N.30°w and ascend.

40.00 | Set a sand stone 14 x 10 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. alongside. Pits impracticable.

80.00 | Set a sand stone 24 x 14 x 6 ins. 18 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notch es on S. and 3 notch es on N edges and raised a mound of stone. alongside, Pits impracticable. Land rolling.

Soil 3rd rate

Vegetation, bunchgrass.

Chains.

North *on a true line between sections* 13 ᵃⁿᵈ 18,

Va. 14°00' East.

Ascend.

40.00   Set a   Sand stone 30 x 28 x 8 ins., 22 ins. *in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone alongside.* **Pits impracticable.**

75.00   Top of Spur, bears N. 60°W.   *and descend.*

80.00   Set a   Sand stone 30 x 30 x 4 ins. 22 ins. in *the ground for Cor. to Secs.* 7, 12, 13 ᵃⁿᵈ 18, *marked with* 4 *notch* es *on* S. *and* 2 *notch* es *on* W. *edges and raised a mound of stone. alongside.* **Pits impracticable.** **Land mountainous.**

Soil 4 ᵗʰ **rate**

Vegetation, bunchgrass.

Chains.

North on a true line between sections 7 and 12,

Va. 14° 15' East.

Descend.

40.00 Set a   line stone 36 x 10 x 8 ins., 27
ins. in the ground, for ¼ Sec. Cor., marked ¼ on W.
face, dug pits, 18 x 18 x 12 ins., N. and S. of stone
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside.

80.00 Set a   sand stone 16 x 10 x 6 ins. 11 ins. in
the ground for Cor. to Secs. 1, 6, 7 and 12, marked
with 5 notches on S. and 1 notch on N. edges, dug pits
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
mound of earth 2 ft. high 4½ ft. base. alongside.

Land rolling. and mountainous.

Soil 3rd rate

Vegetation, bunchgrass.

Chains.

	North on a true line between sections 1 and 6,
	Va. 14°00' East.
	Descend.
2.00	Cross Wash, 6 lks. wide, Course N.50°W. and ascend.
40.00	Set a sand stone 20 x 12 x 10 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone alongside. Pits impracticable.
47.00	Top of Ridge, bears N. 60° W. and descend.
94.20	Intersect the 4th Standard Parallel North, at a point 18.24 chs. West of the Standard Cor. to Tps. 17 N, Rs. 17 and 18 E, which is a sandstone, marked S. C. with 6 notches on N. E. and W. edges, and with a stone mound in good order alongside,
	and
	Set a sand stone 22 x 12 x 10 ins. 16 ins. in the ground, for Closing Cor. to Tps. 16 N., R's 17 and 18 E., marked C. C. with 6 notches on S. E. and edges, and raised a mound of stone, alongside. Pits impracticable.

Chains.

Land mountainous.

Soil 4 ᵈᵗᵒ rate

Vegetation, bunchgrass.

June 27ᵗᵒ 1883.

For Final Oaths
see Book No. — 19.

BOOK 1311

U. S. Surveyor General's Office,

Tucson, Arizona, _Feby. 5_ 1884

The foregoing Field Notes of the Survey of the

of a portion

Exterior Lines of
Townships 13, 14, 15, 16 & 17 North
Ranges 17, 18, 19, 20 & 21 East

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by _Henry Meyrick_
Deputy Surveyor, under his contract of the _28th_
day of _July_ , 1882 having been
critically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe
are hereby approve.d

Royal A Johnson
Surveyor General.