

1393

1393

BOOK 1393

P. 1

F I E L D   N O T E S  
O F   T H E   S U R V E Y   O F  
A   P O R T I O N   O F   T H E   E X T E R I O R   L I N E S   O F  
T s .   1 9 ,   2 0 .   2 1 ,   2 2 ,   &   2 3   N . ,   R s .  
2 5 ,   2 6   a n d   2 7   E .

Gila and Salt River Base and  
Meridian,

ARIZONA  
CALIFORNIA

By Frank Follman, D. S. under  
Contract dated July 31, 1882.  
Survey Commenced Dec. 7, 1882.  
Survey completed Dec. 22, 1882.

~~Index~~

	East	Bdy.	T, 19 N;	R, 26 E,	
W+S	"	"	20 "	" 27 "	✓
" + "	"	"	20 "	" 26 "	✓
"	"	"	21 "	" 27 "	✓
E.S. W+N	"	"	22 "	" 27 "	✓
N	"	"	22 "	" 28 "	✓
" E+W	"	"	23 "	" 27 "	✓
" + W	"	"	21 "	" 26 "	✓
"	"	"	21 "	" 25 "	✓
W+N	"	"	22 "	" 26 "	✓
N	"	"	22 "	" 25 "	✓
W+N	"	"	23 "	" 26 "	✓

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# Preliminary Oaths of Assistants.

I, Jeremiah Sullivan, do solemnly

swear that I will well and truly perform the duties of compass-  
man, according to instructions given me, and to the best of my  
skill and ability, in the survey of the Exterior and Sub

division lines of T. 19 N. R. 26 E. Tps  
20. 21 + 22 N. R. 25. 26 + 27 E. T. 22 N.  
R. 28 E. Tps 20 N. R. 26 + 27 E. Tps 26  
N. R. 28 + 29 E. G. + S. R. Mer.

W. O. Childs, Compassman.

Subscribed and sworn to before me this 14<sup>th</sup>

day of December, 1887

A. E. Shaemaker

*Notary Public, 3d. Judicial District,  
Arizona Territory.*

We, Maurice Legroux  
and S. J. Porter,

do solemnly swear that we will well and faithfully execute the

duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Exterior and

Subdivision lines of T. 19 N. R. 26 E.  
Tpo 20. 21 + 22 N. Rs 25. 26 + 27 E.  
T. 22 N. R. 28 E. Tpo 23 N. Rs 26 + 27 E.  
+ Tpo 26 N. Rs 28 + 29 E. G. + S. R. M.

Maurice Legrand, Chairman.

D. J. Porter, Chairman.

, Chairman.

, Chairman.

Subscribed and sworn to before me this

4<sup>th</sup>

day of December, 1882

A. E. Shoemaker

C. S. Commissioner, 3d Judicial District,  
Arizona Territory.

*J. James Dalton*  
and

do solemnly swear that we will well and truly perform the duties of axemen, in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of

*the Exterior and Sub-division lines of T. 19 N. R. 26 E., Tps 20. 21 + 22 N. Rs 25. 26. + 27 E. T. 22 N. R. 28 E. Tps 23 N. Rs 26 + 27 E. Tps 26 N. Rs 28 + 29 E. G. & R. M.*

*James Dalton*, Axeman.

, Axeman.

Subscribed and sworn to before me this *4<sup>th</sup>*  
day of *December*, 188*2*

*A. E. Shoemaker*

U. S. Commissioner, 3d Judicial District,  
Arizona Territory.

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I, Jeremiah Sullivan

do solemnly swear that I will well and truly perform the duties of flagman,

according to instructions given me, and to the best of my skill and ability, in the survey of the Exterior

and Subdivision lines of T. 19 N R 26 E. Tps 20. 21 + 22 N R 25. 26 + 27 E, T. 22 N R 28 E. Tps 23 N R 26 + 27 E, T. 26 N R 28 + 29 E Gila and Salt River Meridian

Jeremiah Sullivan, Flagman.

Subscribed and sworn to before me this 14<sup>th</sup> day of December, 1882

A. E. Shoemaker  
U. S. Commissioner, 3d Judicial District,  
Arizona Territory.

T. N. R. E. G. & S. R. M.

BOOK 1393

ins.

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South "	" 20 W " 27 E.	8
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West "	" 20 W " 26 E.	31
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E  
E. B. T. 19 N. R. 26 E. G. & S. R. M.

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chains.

From the Cor. to Tps. 18 & 19 N. Rs. 26 & 27 E.,  
which is a post,  $4\frac{1}{2}$  ft. long,  
4 ins. square, with marked stone,  
set firmly in the ground, marked  
T. 19 N. S. 31 on N. E.

R. 27 E. S. 6 on S. E.

T. 18 N. S. 1 on S. W. and

R. 26 E. S. 36 on N. W. faces, with  
6 notches on each edge, with  
pits  $24 \times 18 \times 12$  ins. lengthwise  
on each line, N., S., E. & W. of  
post & a mound of earth  $2\frac{1}{4}$  ft.  
high, 5 ft. base around post, 3 run  
North on a true line between sections 31 & 36.

Va.  $14^{\circ} 8'$  East.

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  
W. face, dug pits,  $18 \times 18 \times 12$  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.

E. B. T. 19 N. R. 26 E. G. & S. R. M.

BOOK 1393

chains.

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 & 36,  
 marked T. 19 N. S. 30, on N. E., R. 27 E., S. 31  
 on S. E., <sup>R. 26 E.</sup> S. 36 on S. W. and S. 25 on N. W. face,  
 with / notch on S. and 5 notch ~~on~~ on ~~the~~ edges;  
 dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
 and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
 around post.

Land mountainous.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass & Sagebrush.

## Chains.

North on a true line between sections 25<sup>th</sup> and 30.

Va. 14° 08' East.

Ascend.

20.00 Top of Ridge, bears E. and W. and descend.

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 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.

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. 19 N. S. 19, on N. E., R. 27 E, S. 30 on S. E. S. 25 on S. W. and S. 24 on N. W. face, with 2 notches on S. and 4 notches on W. 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 2<sup>nd</sup> rate

Vegetation of Bunch grass and Vegetation.

E. B. T. 19 N. R. 26 E. G. & S. R. M.

Chains.

North on a true line between sections 17<sup>24</sup> & 24.  
Va. 14° 25' East.

Descend.

- 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  
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.
- 43.60 Cross Gulch, 11 lks. wide, Course N. 20° E. and ascend.
- 48.00 Top of Spur, bears N. 50° E. <sup>24</sup> and S. 50° 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 & 24,  
marked T. 19<sup>24</sup> S. 18, on N. E., R. 27 E, S. 19  
on S. E. <sup>24</sup> S. 24 on S. W. and S. 13 on N. W. faces,  
with 3 notches on S. and 3 notches on N. 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 3<sup>rd</sup> rate  
Vegetation of Bunchgrass & Sagebrush.

E. B. T. 19 N. R. 26 E. G. & S. R. M.

Chains.

North on a true line between sections 13<sup>rd</sup> & 18.  
 Va. 14° 28' East.

Descend.

40.00

Set a sand stone 10 x 10 x 7 ins., 7 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high, 3 $\frac{1}{2}$  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 & 18, marked T. 19 of S. 7, on N. E., R. 27 E., S. 18 on S. E. S. 13 on S. W and S. 12 on N. W. faces, with  $\times$  notch on S. and 2 notches on ~~W~~ 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 rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass & Sagebrush.

E. A. T. 19 N. R. 26 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 7 <sup>and</sup> 12.

Va. 14008' East.

Descend.

1.10 Cross Trail, bears N. 10° E. <sup>and</sup> S. 15° W.

40.00 Set a sand stone 12 x 12 x 5 ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. *alongside.*

30.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 1, 6, 7 & 12, marked T. 19 N. S. 6, on N. E., R. 27 E, S. 7 on S. E., S. 12 on S. W. and S. 1 on N. W. faces, with  $\int$  notch  $\infty$  on S. and / notch on ~~W.~~ 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 rolling.

Soil 2<sup>nd</sup> rateVegetation of Bunchgrass <sup>and</sup> Sagebrush.

7  
 E. 13. T. 19 N. R. 26 E. G. & S. R. M.

Chains.

\*  
 North on a true line between sections 1 and 6.  
 Va.  $14^{\circ} 08'$  East.

Descend.

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  
 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.

45.50 Cross low Sag and ascend.

73.80 Top of Spur, bears E.  $44^{\circ}$  W. and descend.

80.00 Set a sand stone 18 x 10 x 4 ins. 12 ins. in  
 the ground, for Cor. to Tps. 19 and 20th. R's 26 and  
 27E, 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  $2\frac{1}{2}$  ft.  
 high, 5 ft base. *alongside*.

Land mountainous.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass & Sagebrush.

S. B. T. 20 N. R. 27 E. G. &amp; S. R. M.

## Chains.

Before proceeding further with the exteriors of this Tps. 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.

I took the latitude and found it to be  $35^{\circ} 03' U$ .

From the Cor. to Tps. 19 & 20 U, Rs. 26 & 27 E,  
I run East. on a random line on N. B. of Tp.

Va.  $14^{\circ} 15'$  East.

I set temporary corners at every half mile, and at 5 miles 7826 chs. I arrive at a point 60 lks. South of Cor. to Tps,

19<sup>th</sup> & 20<sup>th</sup> U, Rs. 27<sup>th</sup> & 28<sup>th</sup> E,  
which is a post,  $4\frac{1}{2}$  ft. long,  
4 ins. square, with marked stars,  
12 ins. in the ground, marked  
T. 20 U, S. 31 on N. E.

R. 28 E, S. 6 on S. E.

T. 19 U, S. 1 on S. W. and

R. 27 E, S. 36 on N. W. faces, with  
6 notches on each edge; with  
pits 24 x 18 x 12 ins. long likewise



Chains.

on each side, N., S., E. & W. of post, 6 ft. dist, <sup>and</sup> a mound of earth, 2 1/4 ft. high, 5 ft. base around post.

From which corner I run.

S. 89° 56' W. on a true line between sections 1 & 36.

Va. 14° 15' East.

Ascend.

37.60 Top of Spur, bears N. 30° E. <sup>and</sup> S. 30° W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

52.00 Cross Gulch, 10 lks. wide, Course N. 30° E. and ascend.

70.72 Top of Spur, bears N. 30° E. <sup>and</sup> S. 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. 1, 2, 35 & 36, marked T. 200 N. S. 36, on N. E., R. 27 E., S. 1 on S. E. <sup>S. 19 N.</sup> S. 2 on S. W. and S. 35 on N. W. faces, with 5 notch <sup>on</sup> on W. and 1 notch on E. edges. dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

S. B. T. 20 N. R. 27 E. G. & S. R. M

Chains.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

S. 89° 2' W. on a true line between sections 2<sup>nd</sup> and 3<sup>rd</sup>

Va. 14° 08' East.

Ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

46.00 Top of Spur, bears N. E. 4<sup>th</sup> S. W. and descend.

61.35 Cross Gulch, 12 lks. wide, Course N. 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. 2, 3, 24 & 35, marked T. 20<sup>th</sup> S. 35<sup>th</sup>, on N. E., R. 27 E., S. 2 on S. E. S. 3 on S. W. and S. 34 on N. W. faces, with 4 notch 60 on W and 2 notch 60 on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 2 ft. base around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

S. B. T. 20 N. R. 27 E. G. &amp; S. R. M.

BOOK 1393

Chains.

S. 89° 56' W on a true line between sections 3<sup>rd</sup> & 4<sup>th</sup>,  
Va. 14° 08' East.

Ascend.

5.25 Cross Trail, bears N. E. <sup>4<sup>th</sup></sup> S. W.32.10 Top of Ridge, bears N. 30° E. <sup>3<sup>rd</sup></sup> S. 30° W and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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 post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 3, 4, 33 & 34,  
marked T. 20 N. S. 34, on N. E., R. 27 E., S. 3  
on S. E. <sup>S. 15 N.</sup> 4 on S. W. and S. 33 on N. W. face,  
with 3 notches on W and 3 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.  
around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of bunch grass.

S. B. T. 20 N. R. 27 E. G. &amp; S. R. M.

## Chains.

S. 89° 56' W. on a true line between sections 4 <sup>Sec</sup> 3,

Va. 14008 East.

Ascend.

- 19.00 Top of Ridge, bears N. E. <sup>Sec</sup> S. W. and descend.
- 29.75 Corner Juni <sup>Sec</sup> Navajo road, bears N. 60° W. <sup>Sec</sup> N. 60° E.
- 36.00 Cross Gulch, 5 lks. wide, Course N. 35° W. and ascend.
- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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 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. 20 N. S. 33, on N. E., R. 27 E, S. 4  
on S. E. <sup>S. 12 N.</sup> S. 5 on S. W. and S. 32 on N. W. faces,  
with 2 notches <sup>on</sup> ~~on~~ W. and 4 notches <sup>on</sup> ~~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 rolling.  
Soil 2<sup>nd</sup> rate  
Vegetation of Bunch grass.

S. B. T. 20 N. R. 27 E. G. & S. R. M.

BOOK 1393

chains,

S. 89° 56' W. on a true line between sections 5 and 32  
Va., 4008' East.

Descend.

36.00 Cross Gulch, 10 lks. wide, Course N-W and ascend.

40.00 Set a sand stone 16 x 12 x 10 ins., 11  
ins. in the ground, for 1/4 Sec. Cor., marked 1/5 on N.  
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  
5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high,  
3 1/2 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. 5, 6, 31 & 32,  
marked T. 20 N., S. 32, on N. E., R. 27 E., S. 5  
on S. E. S. 6 on S. W. and S. 31 on N. W. face,  
with / notch on W. and S notch on E. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

Land rolling.

Soil 2nd rate

Vegetation of Bunchgrass.

S. B. T. 20 N. R. 27 E. G. &amp; S. R. M.

chains.

S. 87° 56' W on a true line between sections 6 <sup>and</sup> 31,

Va. 14° 08' East.

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.

52.00 Top of Spur, bears N. <sup>44</sup> W. and descend.

78.26 The Cor. to Tps. 19 & 20, N. Rs. 26 & 27 E.  
from which I started  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrasses.

December 7<sup>th</sup> 1882.

W. B. T. 20 N. R. 27 E. G. & S. R. M.

ains.

From the Cor. to Tps. 19 & 20 N. Rs. 26 & 27 E.  
Iron, recently established by me  
Iron North on a true line between sections 31 and 36  
Va. 140 18 East.

Descend.

39.56 Cross Road, bears, N. 50° E. <sup>and</sup> S. 50° W.

40.00 Set a sand stone 18 x 10 x 6 ins., 12  
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W.  
face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  
5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high,  
3 1/2 ft. base. alongside

80.00 Set a sand stone 12 x 12 x 8 ins. 8 ins. in  
the ground for Cor. to Secs. 25, 30, 31 & 36, marked  
with / notch on S. and 5 notch on N. edges, dug pits  
18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a  
mound of earth 2 ft. high 4 1/2 ft. base. alongside  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

W. B. T. 20 N. R. 27 E. G. & S. R. M.

chains.

North on a true line between sections 25 <sup>and</sup> 30.  
Va. 14° 15' East.

Descend.

34.00 Cross Road, bears, S 88° E. <sup>and</sup> W

40.00 Set a sand stone 10 x 10 x 6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

80.00 Set a sand stone 10 x 10 x 8 ins. 7 ins. in the ground for Cor. to Secs. 19, 24, 25, 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.



W. B. T. 20 N. R. 27 E. G. &amp; S. R. M.

ns.

Chai

North on a true line between sections 19<sup>th</sup> & 24,  
Va.  $14^{\circ} 15'$  East.

Descend.

40.00 Set a sand stone  $16 \times 6 \times 6$  ins., 11  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

8.50 Cross Rio Puerco, 70 lks. wide, Course N.  $30^{\circ}$  W. and ascend.

80.00 Set a sand stone  $8 \times 8 \times 8$  ins. 12 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  
 $18 \times 18 \times 12$  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. alongside

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

W. B. T. 20 N. R. 27 E. G. & S. R. M.

ns.

North on a true line between sections 13 and 18,  
Va.  $14^{\circ} 15'$  East.

Ascend.

- 7.95 Cross Road, bears,  $N. 80^{\circ} E.$   $\frac{1}{2}$   $S. 80^{\circ} W.$
- 0.00 Slaughter house, bears  $S. 58^{\circ} 43' E.$ , 11.64 chs. dist.  
a Corral, bears  $N. 89^{\circ} 20' E.$ , 11.36 chs. dist.
- 23.00 Telegraph line, bears  $N. 56^{\circ} 4' E.$   $\frac{1}{2}$   $S. 56^{\circ} 04' W.$
- 24.00 W. P. R. R. bears  $N. 56^{\circ} 04' E.$   $\frac{1}{2}$   $S. 56^{\circ} 04' W.$
- 40.00 Set a sand stone  $16 \times 12 \times 10$  ins., 11  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face, dug pits,  $18 \times 18 \times 12$  ins.,  $N.$  and  $S.$  of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside
- 63.30 Cross Road, bears,  $N. E.$   $\frac{1}{2}$   $S. W.$
- 80.00 Set a sand stone  $8 \times 8 \times 8$  ins.  $5$  ins. in  
the ground for Cor. to Secs. 7, 12, 13 & 14, marked  
with 4 notches on S. and 2 notches on  $N.$  edges, dug pits  
 $18 \times 18 \times 12$  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. alongside  
Land rolling.  
Soil 2nd rate  
Vegetation of bunchgrass.

T. 20 N. R. 27 E. G. & S. R. M.

ins.

North on a true line between sections <sup>7<sup>th</sup> and 12<sup>th</sup></sup>  
Va. 14° 15' East

Ascend.

32.00 Enter Timber, Bears.  $N. 70^{\circ} E.$  <sup>2<sup>nd</sup></sup>  $S. 70^{\circ} W.$

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

52.30 Top of Ridge, bears  $N. 60^{\circ} E.$  <sup>2<sup>nd</sup></sup>  $S. 60^{\circ} W.$  and descend.

64.00 Cross Gulch, 8 lks. wide, Course  $S. 60^{\circ} W.$  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. 1, 6, 7 & 12,  
marked T. 20<sup>th</sup>, S. 6, on N. E., R. 27 E, S. 7  
on S. E. <sup>E. 265,</sup> S. 12 on S. W. and S. 1 on N. W. face,  
with  $\mathcal{J}$  notch 20 on S. and 1 notch on ~~W.~~ 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 2<sup>nd</sup> rate.

Timber of scrub cedar.

Vegetation of Bunchgrass.

W. B. T. 20 N R. 27 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6,  
Va. 14° 15' East.

Ascend.

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

40.00 Set a sand stone 20 x 16 x 4 ins., 10  
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W.  
face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  
5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high,  
3 1/2 ft. base, alongside

82.28 Intersect the 5<sup>th</sup> Standard Parallel North at a  
point 1.16 chs. West of the Standard Cor. to  
Tps. 21 N., R. 26 and 27 E.,  
which is a sandstone,  
15 x 10 x 5 ins., set firmly in  
the ground, marked S. E. with  
6 notches on N., E. and W.  
edges, with pits  
24 x 18 x 12 ins. crosswise on  
each line, N., E. and W  
of stone, 6 ft. dist, and a  
mound of earth, 2 1/2 ft. high,  
5 ft. base along side from which bear:

A ledger 24 ins. dia. N. 67° 00' 81 lks. dist.  
Another S. 21 N., R. 26 E. S. 26 1/2 ft.  
A ledger 18 ins. dia. N. 74° 0' 51 lks. dist.  
marker S. 21 N., R. 27 E. S. 31 1/2 ft.

Chains.

Descend.

1.00 Cross Rio Puerco, 70 lks. wide, Course S. 10° W. and ascend.

37.02 Set a sand stone 14 x 14 x 8 ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $2\frac{1}{2}$  ft. base. alongside

46.00 Top of Spur, bears N. 10° W. <sup>then</sup> S. 10° E. and descend.

67.00 Cross Rio Puerco, 80 lks. wide, Course North and ascend.

77.02 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. 20 N., S. 32, on N. E., R. 26 E., S. 5 on S. E. <sup>S. 19 N.</sup> 6 on S. W. and S. 81 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 rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrasses.

Chains.

N. 89° 57' E on a true line between sections 5 <sup>and</sup> 32,

Va. 14° 10' East.

Ascend.

19.00 Cross Rio Puerco 100 lks. wide, Course S. 20° W.

29.50 Cross Rio Puerco 100 lks. wide, Course N. 40° W.

40.00 Set a sand stone 12 x 10 x 10 ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

49.00 Cross Rio Puerco, 100 lks. wide, Course S. 30° W.

80.00 Set a sand stone 14 x 12 x 11 ins. 9 ins. in the ground for Cor. to Secs. 14, 5, 32 <sup>and</sup> 33, marked with 2 notch ~~on~~ on W and 4 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. alongside  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Chains.

N. 89° 51' E. on a true line between sections 4 and 33

Va. 14° 10' East.

Ascend.

40.00 Set a sand stone 10 x 10 x 7 ins., 7 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

46.00 Top of Spur, bears N. 30° E.  $2\frac{1}{2}$  S. 30° W. and descend.

80.00 Set a sand stone 14 x 12 x 6 ins. 9 ins. in the ground for Cor. to Secs. 3, 4, 30 & 34, marked with 3 notches on N. and 3 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. alongside

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of *Bunchgrasses*.

Chains.

N. 89° 57' E. on a true line between sections 3 and 34.

Va. 14° 10' East.

Descend.

40.00 Set a sandstone 14 x 12 x 6 ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

80.00 Set a sand stone 10 x 8 x 9 ins. 7 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W. and 2 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. alongside

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.



Chains.

N. 89° 57' E. on a true line between sections 2 and 35.

Va. 14° 10' East.

Descend.

3. 85 Cross Wash, 15 lks. wide, Course N. 60° E. and ascend.

32. 70 Top of Spur, bears N. 60° E. <sup>W. N. 60° W.</sup> and descend.

40. 00 Set a Sandstone 20 x 9 x 5 ins., 15 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  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. 1, 2, 35 & 36, marked T. 20 N. S. 36, on N. E., R. 26 E., S. 1 on S. E. <sup>S. 2</sup> on S. W. and S. 35 on N. W. faces, with  $\int$  notch  $\infty$  on  $\int$  and  $\int$  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 rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

J. B. T. 20 N. R. 26 E. G. & S. R. M.

Chains.

N. 89° 51' E. on a true line between sections 1 and 36.

Va. 14° 10' East.

Descend.

23.80 Cross Gutch, 11 lks. wide, Course N.W. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

80.00 The Cor. to Tps. 19 & 20 N. Rs. 26 & 27 E.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of *Bunchgrass*.

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

December 9<sup>th</sup> 1882.

W. B. T. 20 N. R. 26 E. G. &amp; S. R. M.

Chains.

From the Cor. to Tps. 19 & 20 N. Rs. 25 & 26 E,  
~~From~~ recently established by me. Iron  
 North on a true line between sections 31 & 36  
 Va.  $74^{\circ}15'$  East.

Ascend.

- 1.23 Cross A. P. R. R. bears  $N. 59^{\circ} E$ ,  $Q_{a} S. 59^{\circ} W$
- 2.00 Cross Road, bears,  $N. 59^{\circ} E$ .  $Q_{a} S. 59^{\circ} W$
- 2.18 Telegraph line, bears  $N. 59^{\circ} E$ .  $Q_{a} S. 59^{\circ} W$
- 40.00 Set a Sand stone  $12 \times 10 \times 8$  ins., 8  
 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on  $N$ .  
 face, dug pits,  $18 \times 18 \times 12$  ins.,  $N$ . and  $S$ . of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside
- 54.00 Top of Spur, bears  $N. 60^{\circ} W$ .  $Q_{a} S. 60^{\circ} E$  and descend.
- 80.00 Set a Sand stone  $14 \times 11 \times 5$  ins. 9 ins. in  
 the ground for Cor. to Secs. 25, 30, 31, 36, marked  
 with / notch on S. and 5 notches on  $N$  edges, dug pits  
 $18 \times 18 \times 12$  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. alongside
- Land rolling.
- Soil 2<sup>nd</sup> rate
- Vegetation of Bunch grass.

Dec 10  
1882.

Chains.

North on a true line between sections 25<sup>th</sup> and 30.

Va.  $14^{\circ} 15'$  East.

Descend.

12.00 Cross Gulch, 11 lks. wide, Course  $S. 60^{\circ} E.$  and ascend.

32.00 Top of Spur, bears  $N. 40^{\circ} E.$   $2\frac{1}{2}$  m.  $S. 40^{\circ} W.$  and descend.

40.00 Set a sandstone  $12 \times 12 \times 7$  ins., 8 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on  $W.$  face, dug pits,  $18 \times 18 \times 12$  ins.,  $N.$  and  $S.$  of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

66.00 Cross Gulch, 13 lks. wide, Course  $S. 40^{\circ} W.$  and ascend.

80.00 Set a sand stone  $15 \times 11 \times 4$  ins. 10 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30 marked with 2 notches on  $S.$  and 4 notches on  $E.$  edges, dug pits  $18 \times 18 \times 12$  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. alongside  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Chains.

North on a true line between sections 19 <sup>and</sup> 24,  
Va. 14° 15' East.

Ascend.

14.50 Cross Road, bears N. E. <sup>and</sup> S. W.

32.00 Top of Ridge, bears N. E. <sup>and</sup> S. W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on  
W. face, dug pits, 18 x 18 x 12 ins., N. and S. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 ft. base around post.

42.00 Cross Gulch, 11 lks. wide, Course S. W. and ascend.

80.00 Set a sand stone 14 x 10 x 8 ins. 7 ins. in  
the ground for Cor. to Secs. 17, 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., 5 1/2 ft. dist., and raised a  
mound of earth 2 ft. high 4 1/2 ft. base. alongside  
Land rolling.  
Soil 2<sup>nd</sup> rate  
Vegetation of Bunchgrass.

Chains.

North on a true line between sections 13<sup>and</sup> 18,  
Va. 140 15' East.

Ascend.

17.00 Top of Ridge, bears N. E. <sup>and</sup> S. W. and descend.

30.40 Cross Gulch, 11 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  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

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<sup>and</sup> 18,  
marked T. 20<sup>and</sup> S. 7, on N. E., R. 26 E., S. 18  
on S. E. <sup>R. 25 E.</sup> 13 on S. W. and S. 12 on N. W. faces,  
with 4 notch ~~ed~~ on S. and 2 notch~~ed~~ on W. 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 rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

W. B. T. 20 N. R. 26 E. G. &amp; S. R. M.

## Chains.

North on a true line between sections 7 <sup>and</sup> 12.Va.  $14^{\circ} 15'$  East.

Ascend.

- 36.00 Top of Ridge, bears  $N. E.$  <sup>and</sup>  $S. W.$  and descend.
- 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  $W.$  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.
- 64.20 Cross low Sag 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, 6, 7 & 12, marked T. 20  $\backslash$  S. 6, on N. E., R. 26 E., S. 7 on S. E. <sup>R. 26 E.</sup>  $\backslash$  12 on S. W. and S. 1 on N. W. faces, with 5 notches on S. and 1 notch on  $N.$  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 rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Chains.

North on a true line between sections 1 and 6.

Va.  $14^{\circ}15'$  East.

Ascend.

- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone, 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.
- 44.20 Top of Spur, bears N.  $65^{\circ}$  E. and S.  $65^{\circ}$  W. and descend.
- 52.00 Cross Gulch, 12 lks. wide, Course S.  $65^{\circ}$  W. and ascend.
- 81.73<sup>x</sup> Intersect the 5<sup>th</sup> Standard Parallel North at a point 3.93 chs. East of the Standard Cor. to

Tps. 21 N., Rs. 25 and 26 E., which is a post,  $4\frac{1}{2}$  ft. long, 4 ins. sq. set firmly in the ground, with a marked stone, marked S. E. T. 21 N. on N.

R. 26 E. S. 31 on E. and

R. 25 E. S. 36 on W. face, with notches on N. E. and W. faces; with pits 24 x 18 x 12 ins. crosswise on each

line, N. E. or W. of post 6 ft. dist., and a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft. base around post, from which bear:

a cedar 20 pgs. dia. N.  $17^{\circ}$  W., 36 lks. dist. marked S. 21 N. R. 25 E. S. 36 E. S.



W. B. T. 20 N. R. 26 E. G. & S. R. M.

chains,

<sup>marked 10 ins. dia., N 14° E, 84 lks. dist.</sup>  
<sup>marked 6.21 N. R. 26 E. S. 81 1/2 S.</sup>  
<sup>marked 6.21 N. R. 26 E. S. 81 1/2 S.</sup>  
<sup>marked 6.21 N. R. 26 E. S. 81 1/2 S.</sup>  
 Set a post 4 1/2 ft. long, 4 ins. square, with marked

stone 12 ins. in the ground, for Closing Cor. to  
 Tps. 20 N., R's 25 and 26 E. marked C. C.  
 T: 20 N. on S. R. 26 E. S. 6, on  
 E and R. 25 E. S. 1 on W. faces with 6  
 notches on S. E. & W. faces, dug pits, 24 x 18 x  
 12 ins, crosswise on each line, S. E. of post, 6  
 ft, dist, and raised a mound of earth 2 1/2 ft, high, 5  
 ft, base, around post,

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

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

December 11<sup>th</sup> 1882,

Chains.

Before proceeding further with the exteriors of this T<sup>p</sup>.,  
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  $35^{\circ}08'N$ .

Standard  
From the Cor. to T<sup>ps</sup>.

21 N. Es. 26 & 27 E,

which is a sandstone, 15x10x5 ins,  
set firmly in the ground, marked  
S. E. with 6 notches on  
N, E. and W. edges, with pits  
24x18x12 ins, N, E. and W. of  
stone, 6 ft. dist, and a mound of earth,  
2 1/2 ft. high, 5 ft. base along side;

From which bears:

A Cedar, 24 ins. dia, N. 67° W., 81 lks. dist,  
marked T. 21 N., R. 26 E., S. 36 B. T.

A Cedar, 10 ins. dia, N. 74° E., 57 lks. dist,  
marked T. 21 N., R. 27 E., S. 31 B. T.

A Pine, 6 ins. dia, S. 35° E., 24 lks. dist,  
marked T. 20 N., R. 27 E., S. 6 B. T., Iron

W. B. T. 21 N. R. 27 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 31 and 36.

Va.  $14^{\circ}15'$  East.

Ascend.

40.00 Set a Sand stone  $12 \times 10 \times 8$  ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

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

80.00 Set a Sand stone  $16 \times 14 \times 8$  ins. // ins. in the ground for Cor. to Secs. 25, 30, 31 & 36 marked with / notch on S. and 5 notches on N. edges, dug pits  $18 \times 18 \times 12$  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. alongside

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Scented Cedar.

Chains.

North on a true line between sections 25 <sup>and 30</sup>

Va.  $14^{\circ} 32'$  East.

Descend.

13.80 Cross Gulch, 11 lks. wide, Course E. and ascend.

40.00 Set a Sand stone  $14 \times 10 \times 8$  ins., 9 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

62.00 Top of Ridge, bears E. <sup>and</sup> W. and descend.

80.00 Set a Sand stone  $16 \times 15 \times 6$  ins.  $14$  ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits  $18 \times 18 \times 12$  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. alongside  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrasses.

Timber of Cedar.

W. B. T. 21 N. R. 27 E. G. & S. R. M.

ins. Cha

North on a true line between sections 19 <sup>and</sup> 24.  
Va. 14° 32' East.

Descend.

6.00 Cross Gulch, 9 lks. wide, Course E. and ascend.

40.00 Set a sand stone 18 x 8 x 8 ins., 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

56.00 Top of Ridge, bears E. <sup>and</sup> W. and descend.

80.00 Set a sand stone 18 x 14 x 12 ins. 10 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notch on S. and 3 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Scent Cedar.

ins.

North on a true line between sections 13<sup>9</sup> & 18.

Va. 14° 02' East.

Descend.

13.00 Cross Gulch, 13 lks. wide, Course E. and ascend.

10.00 Set a sandstone 18 x 8 x 8 ins., 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside from which

A Cedar 5 ins. diam. bears N. 21 1/2° E., 2 1/2 lks. dist. marked 1/2 S. B. T.

A Cedar 19 ins. diam. bears S 17 1/4 W., 195 lks. dist. marked 1/2 S. B. T.

64.00 Top of Ridge, bears E. and W. and descend.

0.00 Set a sandstone 16 x 10 x 4 ins., 11 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notch on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrasses.

Timber of Semt Cedar.

W. B. T. 21 N. R. 27 E. G. & S. R. M.

Chains.

Ch

North on a true line between sections 7 and 12.  
Va.  $14^{\circ} 32'$  East.

Descend.

11.20 Cross Gulch, 12 lks. wide, Course S.  $80^{\circ}$  E. and ascend.

40.00 Set a sandstone  $18 \times 17 \times 5$  ins., 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside from which

A Juniper 12 ins. diam. bears N.  $17^{\circ} 34'$  W., 176 lks. dist. marked  $\frac{1}{2}$  S. B. T.

A Juniper 7 ins. diam. bears S.  $15^{\circ}$  E., 200 lks. dist. marked  $\frac{1}{2}$  S. B. T.

80.00 Set a sandstone  $11 \times 11 \times 9$  ins., 10 ins. in the ground for Cor. to Secs. 1, 6, 7 & 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits  $18 \times 18 \times 12$  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. alongside from which

A Juniper 8 ins. diam. bears S.  $47^{\circ} 12'$  W., 210 lks. dist. marked T. 21 N. R. 26 E. S., 12 B. T.

A Juniper 12 ins. diam. bears N.  $16^{\circ} 14'$  W., 190 lks. dist.

W.B. T. 21 N. R. 27 E. G. & S. R. M.

ains.

marked T. 21 N. R. 26 E, S., 1 B. T.

A Juniper 7 ins. diam. bears S. 14° E, 276 lks. dist.

marked T. 21 N. R. 27 E, S., 7 B. T.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Cedar and Juniper.



13. T. 21 N. R. 27 E. G. &amp; S. R. M.

North on a true line between sections 1 and 6.

Va.  $14^{\circ} 32'$  East.

Ascend.

40.00 Set a sand stone  $14 \times 10 \times 6$  ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor.; marked  $\frac{1}{4}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

from which

A Juniper 17 ins. diam. bears S.  $27^{\circ} 14' E$ , 28 lks. dist. marked  $\frac{1}{4}$  S. B. T.

A Juniper 20 ins. diam. bears N.  $53^{\circ} W$ , 141 lks. dist. marked  $\frac{1}{4}$  S. B. T.

71.50 Top of Ridge, bears E. and W. and descend.

80.00 Set a sand stone  $16 \times 12 \times 10$  ins. 11 ins. in the ground, for Cor. to Tps. 21 and 22 N. R.'s 26 and 27 E., marked with 6 notches on each edge, dug pits,  $24 \times 18 \times 12$  ins. lengthwise on each line, N. S. E. and W. of stone, 6 ft. dist., and raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft. base. alongside

from which

A Juniper 13 ins. diam. bears S.  $21^{\circ} E$ , 107 lks. dist. marked T. 21 N. R. 27 E, S., 6 B. T.

W. B. T. 21 N. R. 27 E. G. & S. R. M.

ns.

A Juniper 12 ins. diam. bears  $N. 29^{\circ} E$ , 200 yds. dist.  
marked T. 221 R. 27 E, S. 31 B. T.

A Juniper 8 ins. diam. bears  $S. 46^{\circ} W$ , 312 yds. dist.  
marked T. 214 R. 26 E, S. 1 B. T.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

S. B. T. 22 N R. 27 E. G. &amp; 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.

I took the latitude and found it to be  $35^{\circ} 13' N$ .

From the Cor. to Tps. 21 & 22 N, Rs. 27 & 28 E,

which is a sandstone, 27 x 10 x 6 ins,

set firmly in the ground, marked with 6 notches on each edge; with pits 24 x 18 x 12 ins

lengthwise on each line, N. S. E. & W. of

stone, 6 ft. dist., and a mound of earth,

2 1/2 ft. high, 5 ft. base alongside,

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

Va.  $140^{\circ} 32'$  East.

I set temporary corners at every half mile, and at 5 miles 78.65 chs. I arrive at a point 230 lks. South of Cor. to Tps,

21 & 22 N, Rs. 26 & 27 E, from which corner I run

S.  $89^{\circ} 44' E$ , on a true line between sections 6 & 31.

Va.  $140^{\circ} 36'$  East.

S. B. T. 22 N. R. 27 E. G. & S. R. M.

ains.

Over rolling land.

38.65 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

48.00 Leave rolling land and descend.

78.65 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. 22 N. S. 32, on N. E., R. 27 E., S. 5 on S. E., S. 6 on S. W. and S. 31 on N. W. faces, with 1 notch on W and 5 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land rolling and mountainous.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

Chains.

18744 E. on a true line between sections 5 and 32.

Va.  $14^{\circ} 29'$  East.

Descend.

13.00 Cross Wash, 200 yds. wide, Course N.E. and ascend.

17.00 Top of Hill bears N.E.  $\frac{1}{2}$  S.W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

78.00 Cross Wash, 20 yds. wide, Course S.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. 4, 5, 22 & 33,  
marked T. 22 N. S. 33, on N. E., R. 27 E., S. 4  
on S. E.  $\frac{1}{2}$  S.  $\frac{1}{2}$  on S. W. and S. 32 on N. W. faces,  
with 2 notch  $\infty$  on N. and 4 notch  $\infty$  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 2<sup>nd</sup> rate

Vegetation of *Bunchgrass*.

Timber of *Juniper*.

S. B. T. 22 N. R. 27 E. G. & S. R. M.

No. 1393

Chains.

S. 89° 44' E. on a true line between sections 4<sup>th</sup> & 33,

Va. 14° 29' East.

Ascend.

23.00 Top of Hill bears N. W. <sup>40</sup> S. E. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

70.00 Lean high land & Leave Timber, Bears. N. <sup>40</sup> S.  
78.85  
80.00 Set a <sup>25</sup> lko. wide, course. <sup>20</sup> and ascend. sand stone 20 x 15 x 12 ins. 15 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside Land mountainous.

Soil 2<sup>nd</sup> rate

Vegetation of Bunch grass.

Timber of Juniper

S. B. T. 22 N. R. 27 E. G. & S. R. M.

(- Chains.

S. 69° 44' E. on a true line between sections 3 and 34, Va. 14° 29' East.

Ascend.

17.00 Enter Timber, Bears. N. 1/4 S.

20.00 Top of Spur, bears N. 1/4 S. and descend.

27.75 Cross Wash, 25 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 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

42.00 Top of Hill bears N. 1/4 S. 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 & 35, marked T. 22 N. S. 35, on N. E., R. 27 E., 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land mountainous.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

S. B. T. 22 N. R. 27 E. G. &amp; S. R. M.

Chains.

S 69° 44' E on a true line between sections 2<sup>nd</sup> & 35<sup>th</sup>,

Va. 14° 29' East.

Descend.

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 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. 22 N. S. 36, on N. E., R. 27 E., S. 1  
on S. E. <sup>S. 21 N.</sup> 2 on S. W. and S. 35 on N. W. faces,  
with 5 notch ~~on~~ on W. 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 rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Banethgrass



S. B. T. 22 N. R. 27 E. G. & S. R. M.

ains.

Ch

S. 85° 44' E. on a true line between sections 1 & 36

Va. 14° 29' East.

Over rolling land.

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.

75.00 Cross low Sag and ascend.

80.00 The Cor. to Tps. 21 & 22 N. Rs. 27 & 28 E.  
from which I started -  
land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Beachgrass.

December 12<sup>th</sup> 1882.

E. B. T. 22 N. R. 27 E. G. & S. R. M.

ains.

From the Cor. to Tps. 21 & 22 N. Rs. 27 & 28 E,  
recently described by me  
I run.

North on a true line between sections 31 <sup>and</sup> 36.

Va. 14° 32' East.

Ascend.

29.00 Top of Hill bears E. <sup>2<sup>nd</sup></sup> W. and descend.

40.00 Set a sand stone 4 x 12 x 8 ins., 7  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

43.00 Cross low Sag and ascend.

73.00 Top of Hill bears E. <sup>4<sup>th</sup></sup> 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. 25, 30, 31 & 36,  
marked T. 22 <sup>N</sup> S. 30, on N. E., R. 28 E, S. 31  
on S. E. S. <sup>R. 27 E.</sup> 36 on S. W. and S. 25 on N. W. faces,  
with 1 notch on S. and 5 notches on ~~N.~~ 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 2<sup>nd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

E. B. T. 22 N. R. 27 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25 and 30.

Va. 140 32' East.

Over rolling land.

20.00 Leave Timber, Bears. E. and W.

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  $\frac{1}{2}$  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.

45.00 Enter Flat bears E. and W.

80.00 Set a sand stone 20 x 12 x 8 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, 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. alongside  
Land rolling. and level.

Soil 3<sup>rd</sup> rate

Vegetation of Bunch grass.

E. B. T. 22 N. R. 27 E. G. & S. R. M.

chains.

North on a true line between sections 19 & 24,

Va. 14032' East.

Over level land

40.00 Set a sandstone 20 x 9 x 4 ins., 15 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. face, dug pits, 18 x 18 x 12 ins., U. and J. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 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. 13, 18, 19 & 24, marked T. 22 S. 18, on N. E., R. 27 E., S. 19 on S. E., S. 24 on S. W. and S. 13 on N. W. faces, with 3 notches on S. and 3 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.  
Land level.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

E. B. T. 22 N. R. 27 E. G. &amp; S. R. M.

chains.

North on a true line between sections 13 and 18.

Va.  $74^{\circ} 32'$  East.

Over rolling land.

40.00 Set a Sand stone  $20 \times 12 \times 8$  ins., 15 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

80.00 Set a Sand stone  $20 \times 12 \times 10$  ins., 15 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notch  $\infty$  on S. and 2 notch  $\infty$  on W. edges, dug pits  $18 \times 18 \times 12$  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. alongside

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunch grass.

## E. B. T. 22 N. R. 27 E. G. &amp; S. R. M.

Chains.

North on a true line between sections  $7^{\text{th}}$   $12^{\text{th}}$ ,  
 Va.  $140^{\circ} 32'$  East.

Over rolling land.

40.00 Set a sand stone  $12 \times 12 \times 8$  ins., 8  
 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  $N$ .  
 face, dug pits,  $18 \times 18 \times 12$  ins.,  $N$ . and  $S$ . of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. *along side.*

45.00 Leave rolling land, and ascend.

73.00 Enter Timber, Bears. E.  $22^{\text{nd}}$   $N$ .

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
 12 ins. in the ground, for Cor. to Secs. 1, 6, 7 & 12,  
 marked T. 22  $N$ . S. 6, on N. E., R. 28 E, S. 7  
 $S. 21^{\text{st}}$   
 on S. E. S. 12 on S. W. and S. 1 on N. W. face,  
 with  $S$  notches on S. and  $N$  notches on  $N$  edges;  
 dug pits,  $18 \times 18 \times 12$  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.

from which

A Juniper 8 ins. diam. bears  $N. 12^{\circ} 12' E$ , 54 lks. dist.  
 marked T. 23  $N$ , R. 28 E, S., 6 B. T.

A Juniper 18 ins. diam. bears  $S. 29^{\circ} W$ , 84 lks. dist.  
 marked T. 22  $N$ , R. 27 E, S., 12 B. T.

Chains.

No other trees within limits.

Land mountainous and rolling.

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

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North on a true line between sections / <sup>Qu. 6.</sup>

Va. 14° 32' East.

Ascend.

40.00

Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

80.00

Set a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor: to Tps. 22 and 23 U.R's 27 and 28 E, marked T, 23 U.S. 31 on N. E. R. 28 E. S: 6 on S. E. T. 22 U.S. 1 on S, W, and R, 27 E. S, 36 on N. W, faces, with 6 notches on each edge, dug, pits 24 x 18 x 12 ins., lengthwise on each line, N, S, E, and W, of post, 6 ft. dist, and raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft. base around post,

E. B. T. 22 N. R. 27 E. G. & S. R. M.

hains.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.



U. B. T. 22 N. R. 28 E. G. & S. R. M.

ains.

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.

I took the latitude and found it to be  $35^{\circ} 18'$  North

From the Cor. to Tps. 22 & 23 N. Rs. 27. & 28 E,  
~~just relative to~~  
Brun East. on a random line on U. B. of Tp.

Va.  $14^{\circ} 35'$  East.

I set temporary corners at every half mile, and at 5 miles 79 22 chs. I arrive at a point 129 lks. South of Cor. to Tps,

22<sup>2nd</sup> 23 N, Rs. 28<sup>2nd</sup> 29 E,

which is a sandstone,  $14 \times 12 \times 12$  ins.,  
9 ins. in the ground, marked with 6  
notches on each edge and with  
a mound of stone alongside. Pits  
impracticable; from which bears:

A Cedar 10 ins. diam. bears N.  $57\frac{1}{2}^{\circ}$  E, 77 lks. dist.

marked T. 23 N, R. 28 E., S. 31 B. F.

A Cedar 8 2 ins. diam. bears S.  $61^{\circ}$  E, 89 lks. dist.

U. B. T. 22 N. R. 28 E. G. & S. R. M.

chains,

marked T. 22 N. R. 28 E. S. 6 B. T.

A Cedar 20 ins. diam. bears S. 20 1/2 W., 17 lks. dist.

marked T. 22 N. R. 27 E. S. 1 B. T.

A Cedar 14 ins. diam. bears N. 26 W., 24 lks. dist.

marked T. 23 N. R. 27 E. S. 36 B. T.

From which corner I run.

S. 89 07' W on a true line between sections 1 and 36.

Va. 14 18' East.

Descend.

14.00 Cross Gulch, 11 lks. wide, Course S. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

57.00 Top of Ridge, bears N. 92 S. 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. 1, 2, 3 & 06, marked T. 22 N. S. 36, on N. E., R. 28 E., S. 1 on S. E., S. 2 on S. W and S. 35 on N. W. faces, with 5 notch 00 on W and 1 notch on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

U. B. T. 22 N. R. 28 E. G. &amp; S. R. M.

Chains.

from which

A Pine 9 ins. diam. bears  $N. 17\frac{1}{2}^{\circ} W.$  121 lks. dist.  
marked T. 23 N. R. 28 E. S. 35 B. T.

A Pine 12 ins. diam. bears  $S. 16^{\circ} E.$  211 lks. dist.  
marked T. 22 N. R. 28 E. S. 1 B. T.

A Juniper 7 ins. diam. bears  $S. 10^{\circ} W.$  176 lks. dist.  
marked T. 22 N. R. 28 E. S. 2 B. T.

No other trees within limits.

Land mountainous

Soil 2<sup>nd</sup> rate.

Timber of Pine and Juniper.

Vegetation of Bunchgrass.

T. 22 N. R. 28 E. G. & S. R. M.

Chains.

S. 59° 07' W. on a true line between sections 21 and 31.

Va. 14° 29' East.

Descend.

23.00

Cross Gulch, 9 lks. wide, Course S. and ascend.

40.00

Set a sand stone 16 x 12 x 10 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 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. 2, 3, 34 and 35, marked T. 23 N. S. 35, on N. E., R. 28 E., S. 21 on S. E. S. 3 on S. W. and S. 34 on N. W. faces, with 2 notches on W. and 2 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land mountainous.

Soil 2<sup>nd</sup> rate

Vegetation of Bunch grass.

Timber of Pine and Juniper.

4.13 T. 22 N R. 28 E. G. & S. R. M.

ains.

S. 89° 57' W on a true line between sections 3 and 34,  
Va. 14° 29' East.

Over rolling land.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on  
N. face, dug pits, 18 x 18 x 12 ins., E. and W. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 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 & 34,  
marked T. 23 N S. 34, on N. E., R. 28 E, S. 3  
on S. E. S. <sup>T. 22 N</sup> 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., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

from which

A Pine 8 ins. diam. bears N. 30° W, 63 lks. dist.

marked T. 23 N, R. 28 E, S. 33 B. T.

A Pine 7 ins. diam. bears N. 29° E, 72 lks. dist.

marked T. 23 N, R. 28 E, S. 34 B. T.

A Pine 11 ins. diam. bears S. 14° E, 129 lks. dist.

marked T. 22 N, R. 28 E, S. 3 B. T.

U. B. T. 22 N. R. 28 E. G. & S. R. M.

ains.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Pine

S. 89° 57' W. on a true line between sections 4 and 33.

Va. 14° 29' East

Over rolling land.

40.00

Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

30.00

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. 23 N. S. 33, on N. E., R. 28 E., S. 4 on S. E. S. 22 1/2 on S. W. and S. 32 on N. W. face, with 2 notch 60 on W. and 4 notch 60 on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

from which

U. B. T. 22 N. R. 28 E. G. & S. R. M.

ains.

A Juniper 17 ins. diam. bears  $N. 59^{\circ} 12' W.$ , 95 lbs. dist.  
marked T. 23  $\frac{1}{2}$ , R. 28 E, S., 32 B. T.

A Juniper 7 ins. diam. bears  $N. 34^{\circ} E.$ , 60 lbs. dist.  
marked T. 23  $\frac{1}{2}$  R. 28 E, S., 33 B. T.

A Juniper 11 ins. diam. bears  $S 10^{\circ} 14' E.$ , 45 lbs. dist.  
marked T. 22  $\frac{1}{2}$  R. 28 E, S., 4 B. T.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of *Bunchgrass*.

Timber of *Juniper*.

N. B. T. 22 N. R. 28 E. G. & S. R. M.

S. 89° 17' W. on a true line between sections 5 <sup>and</sup> 32,

Co. 14029' East.

Over rolling land.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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 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. 23 <sup>7</sup> 4 S. 32, on N. E., R. 28 E., S. 5  
on S. E., S. 6 on S. W. and S. 31 on N. W. face, <sup>5</sup>  
with / notch on ~~W~~ and 5 notch ~~so~~ 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.

from which

A Juniper 8 ins. diam. bears N. 60° W., 90 lks. dist.  
marked T. 23 <sup>7</sup> 4, R. 28 E., S., 31 B. T.

A Juniper 7 ins. diam. bears N. 34° E., 63 lks. dist.  
marked T. 23 <sup>7</sup> 4, R. 28 E., S., 32 B. T.

A Juniper 11 ins. diam. bears S. 10° E., 43 lks. dist.  
marked T. 22 <sup>7</sup> 4 R. 28 E., S., 5 B. T.



Chains.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

S. 89° 51' W. on a true line between sections 6<sup>th</sup> & 31.

Va. 14° 29' East.

Over rolling land.

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.

79.22 The Cor. to Tps. 22 & 23 N. Rs. 27 & 28 E.  
from which I started  
Land rolling.

Soil 2<sup>nd</sup> rateVegetation of Bunchgrass.  
Timber of Juniper.December 13<sup>th</sup> 1882.

E. B. T. 23 N. R. 27 E. G. &amp; S. R. M.

Chains.

From the Cor. to Tps. 22 & 23 N. Rs. 27 & 28 E,  
recently established by me  
I run,

North on a true line between sections 31 <sup>Q</sup> & 36.

Va.  $140^{\circ} 35'$  East.

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  
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. from which  
A Juniper 8 ins. diam. bears  $2.78^{\circ}$  W., 39 lbs. dist.  
marked  $\frac{1}{4}$  S. B. T.

No other trees within limits.

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 & 36,  
marked T. 23 N. S. 30, on N. E., R. 28 E, S. 31  
R. 27 E,  
on S. E. S. 36 on S. W. and S. 25 on N. W. face, S,  
with 1 notch on S. and 5 notches on W. 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 rolling. Timber of Juniper.  
Soil 2<sup>nd</sup> rate  
Vegetation of Bunchgrass.

E. B. T. 23 N R. 27 E. G. & S. R. M.

ains.

North on a true line between sections 25 and 30.  
Va. 14° 35' East.

Ascend.

26.00 Top of Ridge, bears E. and W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on  
W. face, dug pits, 18 x 18 x 12 ins., N. and S. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 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. 19, 24, 25 & 30,  
marked T. 23 N S. 19, on N. E., R. 28 E, S. 30  
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., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.  
from which

A Juniper 8 ins. diam. bears S. 2 1/2° E, 61 lks. dist.  
marked T. 23 N R. 28 E, S., 30 B. T.

A Juniper 9 ins. diam. bears N. 83° W., 89 lks. dist.  
marked T. 23 N R. 27 E, S., 24 B. T.

No other trees within limits.

BOOK 1393 70  
E. B. T. 23 N. R. 27 E. G. & S. R. M.

ains.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of *J. Juniper*.

Vegetation of *Bunchgrass*.

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North on a true line between sections 19<sup>th</sup> & 24.

Va.  $14^{\circ} 05'$  East.

Descend.

20.00 Enter rolling valley, bear  $N. 60^{\circ} E.$ ,  $400$  S.  $60^{\circ} W.$

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  
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.

80.00 Set a sand stone  $20 \times 15 \times 3$  ins. 15 ins. in  
the ground for Cor. to Secs. 13, 18, 19 & 24, marked  
with 3 notches on S. and 3 notches on W. 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. alongside

from which

A *Juniper* 8 ins. diam. bears S.  $40^{\circ} W.$ , 83 lks. dist.  
marked T. 23<sup>rd</sup> N. R. 27<sup>th</sup> E. S. 24 B. T.

E. B. T. 20 N. R. 27 E. G. &amp; S. R. M.

## Chains.

A Juniper 12 ins. diam. bears  $S 56^{\circ} E$ , 78 lks. dist.

marked T. 20 N. R. 28 E, S., 19 B. T.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

---

North on a true line between sections 13 and 18.

Va.  $14^{\circ} 35'$  East.

Descend. Over rolling land.

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  $\frac{1}{2}$  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.

80.00

Set a Sand stone  $14 \times 8 \times 8$  ins. 7 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on N. 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. alongside

E. B. T. 23 N. R. 27 E. G. &amp; S. R. M.

Chains.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

Timber of Junipers

North on a true line between sections 7 <sup>and</sup> 12.

Va. 14035' East.

Descend. Over rolling land.

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 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. from which

A Pine 12 ins. diam. bears N. 85° W, 63 lks. dist. marked  $\frac{1}{4}$  S. B. T.

No other trees within limits.

72.00 Enter last oag, course S. W.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 11, 6, 7 & 12, marked T. 23 N. S. 6, on N. E., R. 27 E., S. 7 on S. E. S. 12 on S. W and S. 1 on N. W. faces with 5 notches on S. and 1 notch on W. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$  ft. dist.,

E. B. T. 23 N. R. 27 E. G. &amp; S. R. M.

## Chains.

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

A Pine 5 ins. diam. bears  $N. 80^{\circ} E.$ , 17 lks. dist.  
marked T. 23 N. R. 27 E. S. 6 B. T.

No other trees within limits.

Land mountainous

Soil 2<sup>nd</sup> rate.

Timber of Pine.

Vegetation of Bunchgrass.

74

E. B. T. 23 N. R. 27 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6.  
Va. 140 35' East.

- .50 Leave oak, course S. W. and ascend.
- 4.00 Top of Spur, bears N. E. & S. W. and descend.
- 13.50 Cross Wash, 25 lks. wide, Course S. W. and ascend.
- 140.00 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  
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.
- 80.00 Set a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked  
stone 12 ins. in the ground, for Cor: to Tps. 23  
and 24 N R's 27 and 28 E marked T, 24 N S. 31  
on N. E. R. 28 E S: 6 on S. E. T. 23 N S. 1 on S,  
W, and R, 27 E S, 36 on N, W, faces, with 6 notches  
on each edge, dug, pits 24 x 18 x 12 ins., lengthwise on  
each line, N, S, E, and W, of post, 6 ft, dist, and  
raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft, base  
around post, from which
- A Pine 4 ins. diam. bears S. 68° E., 22 lks. dist.  
marked T. 23 N R. 28 E, S., 6 B. T.



E. B. T. 23 N. R. 27 E. G. &amp; S. R. M.

ains.

Ch

A Pine 8 ins. diam. bears  $N. 45^{\circ} E$ , 40 lks. dist.  
marked T. 24 N. R. 28 E, S., 31 B. T.

A Pine 6 ins. diam. bears  $N. 41^{\circ} W$ , 76 lks. dist.  
marked T. 24 N. R. 27 E, S., 36 B. T.

A Pine 6 ins. diam. bears  $S. 73^{\circ} W$ , 38 lks. dist.  
marked T. 23 N. R. 27 E, S., 1 B. T.

Land mountainous

Soil 3<sup>m</sup> rate.

Timber of Pine.

Vegetation of Bunchgrass.

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

December 14<sup>th</sup> 1882

W. B. T. 22 N. R. 27 E. G. & S. R. M.

ains.

Before proceeding further with the exteriors of this T<sup>p.</sup>, 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 further tested instrument by reversing.

From the Cor. to Tps. 21 & 22 N. Rs. 26 & 27<sup>6</sup>, recently established by me -  
I run,

North on a true line between sections 31 <sup>and</sup> 36.

Va. 14° 36' East.

Over rolling land.

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 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.

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 & 36, marked T. 22  $\frac{1}{4}$  S. 30, on N. E., R. 27<sup>6</sup>, S. 31 on S. E. <sup>R. 26<sup>6</sup></sup> 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.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base around post.

W. B. T. 32 N. R. 27 E. G. &amp; S. R. M.

ains.

from which

A Juniper 8 ins. diam. bears  $N. 10^{\circ} E.$ , 87 lks. dist.  
marked T. 220 R. 27 E, S., 30 B. T.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrasses.

Timber of Juniper.

W. B. T. 22 N. R. 27 E. G. & S. R. M.

ains.

North on a true line between sections 25 <sup>and</sup> 30.  
Va. 14° 36' East.

Over rolling land.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone,  
12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on  
W. face, dug pits, 18 x 18 x 12 ins., N. and S. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 ft. base around post. from which

A Juniper 8 ins. diam. bears N. 28° E., 42 lks. dist.  
marked 1/2 S. B. T.

A Juniper 7 ins. diam. bears S. 16° W., 129 lks. dist.  
marked 1/2 S. B. T.

70.00 Cross Wash, 200 lks. wide, Course W.

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. 23 1/2 S. 19, on N. E., R. 27 E., S. 30  
R. 26 E.,  
on S. E. S. 25 on S. W. and S. 24 on N. W. face, S,  
with 2 notch 50 on S. and 4 notches on W edges,  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

from which

A Juniper 11 ins. diam. bears S. 20° W., 80 lks. dist.

W. B. T. 22 N. R. 27 E. G. & S. R. M.

## Chains.

marked T. 227 R. 26 E., S. 25 B. T.

A Juniper 13 ins. diam. bears  $S. 40^{\circ} E.$ , 72 lks. dist.

marked T. 227 R. 27 E., S. 30 B. T.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

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North on a true line between sections 19<sup>th</sup> & 24.

Va.  $14^{\circ} 36'$  East.

Over rolling land.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

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 & 24,  
marked T. 227 S. 18, on N. E., R. 27 E., S. 17  
on S. E. S. 24 on S. W. and S. 13 on N. W. face,  
with 3 notch  $\infty$  on S and 3 notches on N edges.

W. B. T. 22 N. R. 27 E. G. & S. R. M.

Chains.

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 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

---

North on a true line between sections 13 and 18,

Va. 1406' East.

Ascend. Over rolling land.

11.25 Top of Divide, bet. Rio Puerca and de ~~Rio~~ Wash, from 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.

79.00 Cross Wash, 50 lks. wide, Course N. 50 E.

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 & 18, marked T. 22 N. S. 7, on N. E., R. 27 E., S. 18 on S. E. S. 13 on S. W. and S. 12 on N. W. faces

W. B. T. 22 N. R. 27 E. G. & S. R. M.

Chains.

with 4 notch  $\epsilon_0$  on S. and 2 notch  $\epsilon_0$  on  $\mathcal{H}$  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 rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

North on a true line between sections 7 <sup>and</sup> 12.

Va.  $14^{\circ} 36'$  East.

Over rolling land.

2.00 Cross Wash, 50 lks. wide, Course  $N. 10^{\circ} W.$

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  
W. face, dug pits, 18 x 18 x 12 ins.,  $\mathcal{N}$ . and  $\mathcal{S}$ . 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.

70.00 Leave Valley, bears  $E. \frac{1}{2} W.$  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. 1, 6, 7 & 12  
marked T. 22 N. S. 6, on N. E., R. 27 E., S. 7.  
on S. E. <sup>R. 26 E.</sup> S. 12 on S. W. and S. 1 on N. W. face,  
with 5 notch  $\epsilon_0$  on S. and 1 notch on  $\mathcal{H}$  edges;

W. B. T. 22 N. R. 27 E. G. & S. R. M.

Chains.

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.

from which

A Juniper 7 ins. diam. bears N. 12° W., 82 lbs. dist.  
marked T. 227 R. 266, S., 1 B. T.

A Juniper 8 ins. diam. bears N. 29° E., 128 lbs. dist.  
marked T. 224 R. 276, S., 6 B. T.

A Juniper 13 ins. diam. bears S. 53° W., 280 lbs. dist.  
marked T. 227 R. 266, S., 12 B. T.

No other trees within limits.

Land rolling. and hilly

Soil 3<sup>rd</sup> rate

Vegetation of Bancroft.

Timber of Juniper.



W. B. T. 22 N. R. 27 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6.

Va.  $14^{\circ}36'$  East.

Ascend.

- 30.00 Top of Hill bears  $E. \frac{1}{2} W.$  and descend.
- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on  $W.$  face, dug pits, 18 x 18 x 12 ins.,  $N.$  and  $E.$  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 post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor: to Tps. 22 and 23 N, R's 26 and 27 E marked T, 23 N S. 31 on N. E. R. 27 E S: 6 on S. E. T 22 N S. 1 on S, W, and R, 26 E S, 36 on N, W, faces, with 6 notches on each edge, dug, pits 24 x 18 x 12 ins., lengthwise on each line, N, S, E, and W, of post, 6 ft. dist, and raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft. base around post,  
 Land hilly  
 Soil 2<sup>nd</sup> rate  
 Vegetation of *Bunchgrass*.  
 Timber of *Juniper*.

U. B. T. 22 N. R. 27 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. 22 & 23 N. Rs. 26. & 27<sup>6</sup>,

I run <sup>just established</sup> East. on a random line on U. B. of Tp.

Va.  $14^{\circ} 38'$  East.

I set temporary corners at every half mile, and at 5 miles 78.00 chs. I arrive at a point 190 lks. North of Cor. to Tps,

22 & 23 N. Rs. 27 & 28<sup>6</sup>, from which corner I run N.  $89^{\circ} 46' W$  on a true line between sections 1 & 36,

Va.  $14^{\circ} 05'$  East.

Ascend.

22.00 Top of Ridge, bears N.  $22^{\circ} E$ , and descend.

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.

67.00 Cross Gulch, 13 lks. wide, Course South and ascend.

13. T. 22 N. R. 27 E. G. & S. R. M.

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, 3 & 36,

marked T. 234 S. 36, on N. E., R. 27 E., S. 1

on S. E. <sup>T. 22 N.</sup> 2 on S. W. and S. 36 on N. W. face,

with 5 notch  $\epsilon\sigma$  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.

Soil 2<sup>nd</sup> rate

Vegetation of Bunch grass.

Timber of Juniper.

U. B. T. 22 N. R. 27 E. G. & S. R. M.

N. 59° 46' W on a true line between sections 2<sup>nd</sup> & 3<sup>rd</sup>.

Va. 140 32' East.

Ascend.

17.00 Top of Ridge, bears N. 9<sup>th</sup> S. and descend.

42.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

43.00 Cross Gulch, 9 lks. wide, Course South and ascend.

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 & 35,  
marked T. 23 N. S. 35, on N. E., R. 276, S. 2  
on S. E. <sup>S. 22 N</sup> 3 on S. W. and S. 34 on N. W. faces,  
with 4 notch 20 on W. and 2 notch 20 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 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper.

N. B. T. 22 N. R. 27 E. G. &amp; S. R. M.

Chains,

N. 89°46' W on a true line between sections 3 and 34,

Va. 14°02' East.

Ascend.

26.50 Top of Ridge, bears N. E. &amp; S. W and descend.

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. onN. 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 post 4 ft. long, 4 ins. square, with marked stone.

12 ins. in the ground, for Cor. to Secs. 3, 4, 33 &amp; 34,

marked T. 224 S. 34, on N. E., R. 27 E., S. 3

on S. E. <sup>T. 224</sup> S. 4 on S. W. and S. 33 on N. W. face,

with 3 notches on W. and 3 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.

from which

A Juniper 1 1/2 ins. diam. bears N. 14° W, 117 lks. dist.

marked T. 224 R. 27 E., S., 33 B. T.

A Juniper 8 ins. diam. bears S. 12 1/2° E, 127 lks. dist.

marked T. 224 R. 27 E., S., 3 B. T.

No other trees within limits.

N. B. T. 22 N. R. 27 E. G. & S. R. M.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Juniper,

Vegetation of Bunchgrass.

N. 89° 46' W on a true line between sections 4 & 33.

Va. 14° 32' East.

Descend.

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.

44.00 Cross Gulch, 7 fks. wide, Course N. 60° 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, 22 & 33,  
marked T. 23 N. S. 33, on N. E., R. 27 E, S. 4  
on S. E. S. <sup>T. 22 N.</sup> on S. W. and S. 32 on N. W. face,  
with 2 notch 20 on W. and 4 notch 20 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.

from which

N. B. T. 22 N. R. 27 E. G. & S. R. M.

Chains.

A Juniper 15 ins. diam. bears N.  $27\frac{1}{4}^{\circ}$  E, 187 lks. dist.  
marked T. 20 N R. 27 E, S., 33 B. T.

A Juniper 12 ins. diam. bears N.  $16^{\circ}$  W, 210 lks. dist.  
marked T. 20 N R. 27 E, S., 32 B. T.

A Juniper 5 ins. diam. bears S.  $13\frac{1}{2}^{\circ}$  W, 111 lks. dist.  
marked T. 22 N R. 27 E, S., 5 B. T.

A Juniper 9 ins. diam. bears S.  $49\frac{1}{4}^{\circ}$  E, 308 lks. dist.  
marked T. 22 N R. 27 E, S., 4 B. T.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

T. 22 N. R. 27 E. G. & S. R. M.

hains.

N. 89° 46' W. on a true line between sections 5<sup>th</sup> 32,

Va. 14° 32' East.

Ascend.

9.80 Top of Ridge, bears N. 55° W. 50. V. 5° E. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone,  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

62.00 Cross Gulch, 12 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. 5, 6, 31, 32,  
marked T. 22 N. S. 32, on N. E., R. 27 E., S. 5  
on S. E., S. 6 on S. W. and S. 31 on N. W. face, S,  
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 2<sup>nd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.



Chains.

N. 89° 46' W. on a true line between sections 6 & 31

Va. 14° 32' East.

Ascend.

- 2.00 Top of Ridge, bears N. 60° E. & S. 60° W. and descend.
- 29.20 Cross Gulch, 8 lks. wide, Course N. 60° E. and ascend.
- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
- 47.00 Top of Ridge, bears N. 63° W. S. 56° E. and descend.
- 69.00 Cross Gulch, 11 lks. wide, Course N. 58° W. and ascend.
- 78.00 The Cor. to Tps. 22 & 23 N. Rs. 26 & 27 E. from which I started -  
Land mountainous  
Soil 3rd rate.  
Timber of Juniper.  
Vegetation of Bunchgrass.

December 15th 1882.

W. B. T. 23 N. R. 27 E. G. & S. R. M.

From the Cor. to Tps. 22 & 23 N. Rs. 26 & 27 E.  
 recently established by me  
 I run,

North on a true line between sections 31 <sup>and</sup> 36.

Va.  $14^{\circ} 38'$  East.

Descend.

18.41 Cross Wash, 200 yds. wide, Course W. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

68.00 Top of Hill bears E. <sup>and</sup> 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 & 36,  
 marked T. 23 N. S. 30, on N. E., R. 27 E., S. 31  
 on S. E. S. 36 on S. W. and S. 25 on N. W. faces,  
 with 1 notch on S. and S notch on W. 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 3 m rate.

Timber of Juniper.

Vegetation of Bunchgrass

W. A. T. 23 N R. 27 E. G. & S. R. M.

Chains.

North on a true line between sections 25 and 30.

Va. 14° 38' East.

Descend.

- 5.00 Cross Wash, 200 lks. wide, Course *W.* and ascend.
- 14.00 Top of Spur, bears *E. and W.* and descend.
- 27.00 Cross Wash, 300 lks. wide, Course *W.* and ascend.
- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on  
*N.* 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.
- 45.50 Top of Hill bears *E. and W.* and descend.
- 60.00 Enter Valley, bears, *E. and W.* and  
Leave Timber, Bears. *E. and W.*
- 80.00 Set a sand stone 20 x 10 x 8 ins. 15 ins. in  
the ground for Cor. to Secs. 19, 24, 25 & 34 marked  
with 2 notch<sub>20</sub> on *S.* and 4 notch<sub>20</sub> on *N.* 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. alongside  
Land mountainous and level.  
Soil 3<sup>rd</sup> rate.  
Timber of Juniper.  
Vegetation of Bunchgrass.

W. B. T. 23 N. R. 27 E. G. & S. R. M.

Chains.

North on a true line between sections 19 <sup>and</sup> 24.

Va. 140 38' East.

Over level land

40.00 Set a Sand stone 14 x 12 x 6 ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

48.00 Leave Valley, bears N. E. <sup>and</sup> S. W. and ascend. Enter Timber, Bears. N. E. <sup>and</sup> S. W.

65.00 A cabin <sup>is</sup> come, bears W, 4.50 chs. dist.

79.00 Top of Hill bears N. 40° E. <sup>and</sup> S. 40° 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 & 24, marked T. 23 N. S. 18, on N. E., R. 27 E., S. 19 on S. E., S. 24 on S. W. and S. 18 on N. W. faces, with 3 notch <sub>20</sub> on S. and 3 notch <sub>20</sub> on N. 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 and level.

Soil 3 <sup>or</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

W. B. T. 23 N. R. 27 E. G. & S. R. M.

Chains.

North on a true line between sections 13 and 18.

Va. 14038' East.

Descend.

25.00 Enter Flat bears N. W.  $\frac{1}{2}$  S. E. and

Leave Timber, Bears. N. W.  $\frac{1}{2}$  S. E.

40.00 Set a Sandstone 14 x 12 x 10 ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

50.00 Leave Flat bears N. W.  $\frac{1}{2}$  S. E. and ascend

and Enter Timber, Bears. N. W.  $\frac{1}{2}$  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. 7, 12, 13 & 18, marked T. 23 N. S. 7, on N. E., R. 27 E., S. 18 on S. E., S. 13 on S. W. and S. 12 on N. W. faces, with 4 notch  $\infty$  on S. and 2 notch  $\infty$  on ~~W~~ 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.

from which

a Juniper 12 ins. diam. bears S.  $87^{\circ}$  E., 24 lbs. dist. marked T. 23 N. R. 27 E., S., 18 B. T.

W. B. T. 23 N. R. 27 E. G. & S. R. M.

Chains.

1 Juniper 8 ins. diam. bears  $\delta 38^{\circ} W$ , 121 lks. dist  
marked T. 234 R. 266, S., 13 B. T.

No other trees within limits.

Land level. And rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrasses.

Timber of Juniper.

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North on a true line between sections 7<sup>and</sup> 12,  
Va. 14088 East.

Ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.

12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on

W face, dug pits, 18 x 18 x 12 ins., U. 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.

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

12 ins. in the ground, for Cor. to Secs. 1, 6, 7 & 12,

marked T. 234 S. 6, on N. E., R 276, S. 7

on S. E. <sup>R. 266</sup> S. 12 on S. W. and S. 1 on N. W. face, 5

with  $\delta$  notch  $\epsilon\delta$  on S. and  $\delta$  notch on W 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.

## Chains.

from which

A Pine 8 ins. diam. bears S. 1° W, 20 lbs. dist.

marked T. 23 N R. 26 E, S., 12 B. T.

A Juniper 8 ins. diam. bears N. 70° W, 54 lbs. dist.

marked T. 23 N R. 26 E, S., 1 B. T.

A Juniper 6 ins. diam. bears S. 40° E, 21 lbs. dist.

marked T. 23 N R. 27 E, S., 7 B. T.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

W. B. T. 23 N. R. 27 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6.

Va. 14° 38' East.

Ascend.

10.00 Top of Hill bears E.  $45^{\circ}$  W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone, 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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. From which  
A Juniper 6 ins. diam. bears N.  $29^{\circ}$  W., 32 lks. dist. marked  $\frac{1}{2}$  S. B. T.

No other trees within limits.

80.00 Set a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor: to Tps. 23 and 24 N R's 26 and 27 E marked T, 24 N S. 31 on N. E. R. 27 E S: 6 on S. E. T. 23 N S. 1 on S, W, and R, 26 E S, 36 on N, W, faces, with 6 notches on each edge, dug, pits 24 x 18 x 12 ins., lengthwise on each line, N, S, E, and W, of post, 6 ft. dist, and raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft. base around post,



W. B. T. 23 N R. 27 E. G. & S. R. M.

Chains.

Land hilly

Soil 3 m rate.

Timber of Juniper.

Vegetation of Bunchgrass.

T. 23 N R. 27 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 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. Lat. 35° 24' N.

From the Cor. to Tps. 23 & 24 N Rs. 26 & 27 E, ~~Just established~~ I run East on a random line on N. B. of Tp.

Va. 140° 35' East.

I set temporary corners at every half mile, and at 5 miles 77.62 chs. I arrive at a point 250 lks. North of Cor. to Tps,

23 & 24 N Rs. 27 & 28 E, from which corner I run N. 89° 42' W on a true line between sections 1 & 36.

Va. 140° 35' East.

Ascend.

7.00 Top of Ridge, bears N. 70° E.  $\frac{3}{4}$  S. 70° W and descend.

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 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. 24 N S. 36, on N. E., R. 27 E., S. 1 on S. E., S. 2 on S. W. and S. 35 on N. W. face, S.

N. B. T. 23 N R. 27 E. G. & S. R. M.

## Chains.

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. from which

A Juniper 4 ins. diam. bears N. 79° E, 77 lks. dist.  
marked T. 24 N R. 27 E., S., 6 B. T.

A Pine 6 ins. diam. bears S. 55° W, 20 lks. dist.  
marked T. 23 N R. 27 E., S., 2 B. T.

A Pine 6 ins. diam. bears S. 20° E, 57 lks. dist.  
marked T. 23 N R. 27 E., S., 1 B. T.

No other trees within limits.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Pine & Juniper.

Vegetation of Bunchgrasses.

N. B. T. 23 N. R. 27 E. G. & S. R. M.

Chains.

N.  $89^{\circ}42'$  W on a true line between sections 21<sup>2</sup> and 35.

Va.  $14^{\circ}35'$  East.

Descend.

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.

from which

A Pine 8 ins. diam. bears S.  $73^{\circ}12'$  E., 72 lks. dist. marked  $\frac{1}{4}$  S. B. T.

No other trees within limits.

45.00 Top of Mesa, bear N. and descend.

63.00 Enter Wash, course S. W.

80.00 Set a post  $\frac{1}{2}$  ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 2, 3, 34 & 35, marked T. 24<sup>4</sup> S. 35<sup>1</sup>, on N. E., R 27<sup>6</sup>, S. 2 on S. E., S. 3 on S. W. and S. 34 on N. W. faces, with 4 notch  $\infty$  on W and 2 notch  $\infty$  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.

from which

U. B. T. 23 N. R. 27 E. G. & S. R. M.

Chains.

A Pine 6 ins. diam. bears  $N. 30^{\circ} E.$ , 62 lks. dist.  
marked T. 244 R. 27 E, S., 30 B. T.

A Juniper 8 ins. diam. bears  $N. 40^{\circ} W.$ , 43 lks. dist.  
marked T. 244 R. 27 E, S., 34 B. T.

No other trees within limits.

Land rolling.

Soil 3<sup>rd</sup> rate.

Timber of Pine and Juniper.

Vegetation of Bunchgrass.

T. 23 N. R. 27 E. G. & S. R. M.

Chains.

N. 89° 42' W. on a true line between sections 3 and 34,

Va. 14° 35' East.

- .80 Enter Wash, course S. W. and ascend.
- 7.00 Top of Spur, bears U. and S. and descend.
- 29.60 Cross Wash, 20 lks. wide, Course S. W. and ascend.
- 32.00 Enter Mesa, bears N. and S.
- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on U. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. from which
- 1 Pine 8 ins. diam. bears S. 85° W., 40 lks. dist. marked 1/2 S. B. T.
- 1 Pine 7 ins. diam. bears S. 73° E., 52 lks. dist. marked 1/2 S. B. T.
- 77.00 Top of Mesa, bears U. and S. 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. 3, 4, 33 and 34, marked T. 24 N. S. 34, on N. E., R. 27 E., S. 3 on S. E., S. 4 on S. W. and S. 33 on N. W. faces, with 3 notch 20 on W. and 3 notch 20 on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

U. B. T. 23 N. R. 27 E. G. &amp; S. R. M.

Chains.

from which

A Pine 6 ins. diam. bears  $N. 70^{\circ} W.$ , 67 lks. dist.  
marked T. 244 R. 276, S., 33 B. T.

A Pine 12 ins. diam. bears  $S. 80^{\circ} W.$ , 109 lks. dist.  
marked T. 234 R. 276, S., 4 B. T.

A Pine 8 ins. diam. bears  $N. 29^{\circ} E.$ , 72 lks. dist.  
marked T. 244 R. 276, S., 34 B. T.

No other trees within limits.

Land rolling....

Soil 3<sup>rd</sup> rate.

Timber of Pine and Juniper.

Vegetation of Bunchgrass.

U. B. T. 23 N. R. 27 E. G. & S. R. M.

Chains.

U. 89° 42' W on a true line between sections 4 <sup>44</sup> 33,

Va. 14° 35' East.

Descend.

9.00 Enter Wash course S. W.  
19.00 Leave Wash, 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 1/4 Sec. Cor., marked 1/4 S. on  
U. face, dug pits, 18 x 18 x 12 ins., E. and W. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 ft. base around post. from which

A Juniper 6 ins. diam. bears S. 67° W, 29 lks. dist.  
marked 1/4 S. E. T.

No other trees within limits.

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. 24 N. S. 33, on N. E., R. 27 E., S. 4  
on S. E. <sup>S. 20 N</sup> S. 5 on S. W and S. 32 on N. W. faces,  
with 2 notch 60 on W and 4 notch 60 on E. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

Lane rolling.

Soil 3 on rate.

Timber of Juniper.

Vegetation 7 Bunchgrass.



N. B. T. 23 N. R. 27 E. G. &amp; S. R. M.

chains.

N. 89° 42' W. on a true line between sections 5<sup>44</sup> 32,

Va. 14035' East.

Descend.

29.00 Cross Gulch, 13 lks. wide, Course S. W. and ascend.

40.00 Set a Sand stone 17 x 10 x 8 ins., 11  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  
5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
3 $\frac{1}{2}$  ft. base. alongside80.00 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. 24 N. S. 32, on N. E., R. 27 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 notch E 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 rolling.

Soil 300 rate.

Timber of Juniper.

Vegetation of Bunchgrass.

chains.

N. 89° 42' W. on a true line between sections 6 & 31.

Va. 14° 35' East.

Over rolling land.

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.

77.62 The Cor. to Tps. 23 & 24 N. Rs. 26 & 27 E. from which I started land rolling.

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

December 16<sup>th</sup> 1882.

W. B. T. 21 N. R. 26 E. G. & S. R. M.

Before proceeding ~~further~~ with the exteriors of this Tp., I made a change of 16 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 further tested instrument by reversing.

Standard

From the Cor. to Tps. 21 N. Rs. 25 & 26 E.,

which is a post, 4 1/2 ft. long, 4 ins square, set firmly in the ground, marked

S. E. T. 21 N. on N.

R. 26 E. S. 31 on E. & W.

R. 25 E, S. 36 on W. faces, with 6 notches on N., E. & W. faces;

with pits 24 x 18 x 12 ins. dug crosswise on each line, N. E. & W.

of post, 6 ft. dist, and a mound of earth, 2 1/2 ft. high, 5 ft. base

around post from which

1 Cedar 20 ins. diam. bears N. 17° W., 36 lks. dist. marked T. 21 N R. 25 E, S., 36 B. T.

W. B. T. 21 N. R. 26 E. G. & S. R. M.

A Cedar 10 ins. diam. bears  $N. 14^{\circ} E.$ , 84 lbs. dist.  
marked T. 21 N. R. 26 E, S., 31 B. T.

A Pine 6 ins. diam. bears  $S. 35^{\circ} W.$ , 13 lbs. dist.  
marked T. 20 N. R. 25 E, S., 1 B. T.

*Iron*

North on a true line between sections 31 and 32,  
 $Var. 14^{\circ} 15'$  East.

Ascend.

30.36 Top of Ridge, bears  $N. G.$  and  $S. W.$  and descend.

40.00 Set a sand stone  $18 \times 18 \times 10$  ins., 12  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  $W.$   
face, dug pits,  $18 \times 18 \times 12$  ins.,  $N.$  and  $S.$  of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

80.00 Set a sand stone  $N \times 14 \times 10$  ins. 10 ins. in  
the ground for Cor. to Secs. 25, 30, 31 & 36, marked  
with / notch on S. and  $\sigma$  notches on  $W.$  edges, dug pits  
 $18 \times 18 \times 12$  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. alongside

Land rolling.

Soil *3 m* rate

Vegetation of *Bunchgrass*.

Timber of *Juniper* and *Cedar*.

chains.

North on a true line between sections 25 &amp; 30.

Va. 14° 05' East.

Descend.

26.10 Cross Wash, 80 lks. wide, Course S. 20° W and ascend.

40.00 Set a 3 ft. long sand stone 16 x 10 x 8 ins., 11  
 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., 7. and 5. of  
 stone 5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft.  
 high, 3 $\frac{1}{2}$  ft. base alongside

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

71.00 Cross Wash, 75 lks. wide, Course W. and ascend.

80.00 Set a sand stone 18 x 8 x 8 ins. 12 ins. in  
 the ground for Cor. to Secs. 19, 24, 25 & 30, marked  
 with 2 notch  $\infty$  on S. and 4 notch  $\infty$  on N. 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. alongside

Land mountainous

Soil 300 rate.

Timber of Cedar.

Vegetation of Bunchgrass.

W. B. T. 21 N. R. 26 E. G. & S. R. M.

ains.

North on a true line between sections 19<sup>2</sup> & 24,  
Va. 140<sup>35</sup> East.

Ascend.

9.30 Top of Ridge, bears N. 60° E. ~~W~~ S. 60° W and descend.

37.10 Cross Wash, 100 lks. wide, Course S. 60° W and ascend.

40.00 Set a sand stone 14 x 12 x 10 ins., 9  
ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W.  
face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  
5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
3 $\frac{1}{2}$  ft. base. alongside

73.90 Top of Ridge, bears N. 50° E. ~~W~~ S. 50° W and descend.

0.00 Set a sand stone 13 x 11 x 9 ins. 9 ins. in  
the ground for Cor. to Secs. 13, 14, 19 & 24, marked  
with 3 notch ~~on~~ on S. and 3 notches on ~~the~~ 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. alongside

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Cedar.

Vegetation of Bluegrass.

W. B. T. 21 N. R. 26 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 13 and 18.

Va.  $14^{\circ} 35'$  East.

Descend.

- 8.60 Cross Wash, 75 lks. wide, Course S-W, and ascend.
- 16.20 Top of Ridge, bears N.E. and S.W. and descend.
- 40.00 Set a sand stone  $10 \times 8 \times 8$  ins., 7 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside
- 57.00 Cross Wash, 20 lks. wide, Course W. and ascend.
- 80.00 Set a sand stone  $17 \times 16 \times 14$  ins. 11 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notch on S. and 2 notches on W. edges, dug pits  $18 \times 18 \times 12$  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. alongside
- Land mountainous
- Soil 3<sup>rd</sup> rate.
- Timber of Cedar.
- Vegetation of Bunchgrass.

ins.

North on a true line between sections 7 <sup>to</sup> 12.

Var. 14' 35' East.

Ascend.

17.00 Top of Ridge, bears  $N. 70^{\circ} E.$  <sup>to</sup>  $S. 70^{\circ} W.$  and descend.

40.00 Set a sand stone  $12 \times 10 \times 8$  ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  $W.$  face, dug pits,  $18 \times 18 \times 12$  ins.,  $N.$  and  $S.$  of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

67.00 Cross Wash, 30 lks. wide, Course  $W.$  and ascend.

80.00 Set a sand stone  $14 \times 12 \times 6$  ins. 9 ins. in the ground for Cor. to Secs. 1, 6, 7 & 12, marked with 5 notches on  $S.$  and 1 notch on  $N.$  edges, dug pits  $18 \times 18 \times 12$  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. alongside

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Cedar.

Vegetation of Bunchgrasses.



chains.

North on a true line between sections 1 <sup>Qa</sup> 6,  
Va. 14<sup>th</sup> 35<sup>th</sup> East.

Ascend.

40.00 Set a Sand stone 16 x 9 x 4 ins., 11  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face, dug pits, 18 x 18 x 12 ins., U. and S. of stone  
5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
3 $\frac{1}{2}$  ft. base. alongside

80.00 Set a Sand stone 18 x 16 x 12 ins. 12 ins. in  
the ground, for Cor. to Tps. 21 and 22 N. R's 25 and  
26 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 2 $\frac{1}{2}$  ft.  
high, 5 ft. base. alongside

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Cedar.

Vegetation of Bunchgrass.

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. 21 & 22 N, Rs. 25 & 26 E.   
~~Just established~~   
 Run East. on a random line on N. B. of Tp.

^ Va. 14° 39' East.

I set temporary corners at every half mile, and at 5 miles 79.41 chs. I arrive at a point 257 lks. North of Cor. to Tps.

21 & 22 N. Rs. 26 & 27 E. from which corner I run N. 89° 41' W. on a true line between sections 1 & 36.

Va. 14° 36' East.

Ascend.

40.00 Set a Sand stone 13 x 12 x 10 ins., 7 ins. in the ground, for 1/2 Sec. Cor.; marked 1/2 on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

62.00 Top of Ridge, bears N. 44° E. and descend.

0.00 Set a Sand stone 14 x 12 x 10 ins. 7 ins. in the ground for Cor. to Secs. 1, 2, 35 & 36, marked with 5 notches on W. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

N. B. T. 21 N. R. 26 E. G. &amp; S. R. M.

Chains.

from which

A Juniper 12 ins. diam. bears  $N. 17^{\circ} W.$ , 131 lks. dist.  
marked T. 22 N. R. 26 E, S., 35 B. T.

A Juniper 8 ins. diam. bears  $S. 16^{\circ} W.$ , 215 lks. dist.  
marked T. 21 N. R. 26 E, S., 2 B. T.

A Juniper 11 ins. diam. bears  $S. 27^{\circ} E.$ , 115 lks. dist.  
marked T. 21 N. R. 26 E, S., 1 B. T.

A Juniper 9 ins. diam. bears  $N. 51^{\circ} 4' W.$ , 171 lks. dist.  
marked T. 22 N. R. 26 E, S., 35 B. T.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

U. B. T. 21 N. R. 26 E. G. & S. R. M.

chains.

N.  $89^{\circ}41'W$  a true line between sections 2 and 35.  
Va.  $14^{\circ}32'$  East.

Descend.

40.00 Set a Sandstone  $14 \times 12 \times 6$  ins., 9  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on 21.  
face, dug pits,  $18 \times 18 \times 12$  ins., E. and W. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside from which  
A Juniper 15 ins. diam. bears N.  $21^{\circ}40'E$ , 115 lbs. dist.  
marked  $\frac{1}{4}$  S. B. T.

A Juniper 8 ins. diam. bears  $W. 16^{\circ}W$ , 200 lbs. dist.  
marked  $\frac{1}{4}$  S. B. T.

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. 22 N. S. 35, on N. E., R. 26 E, S. 2  
on S. E. <sup>T. 21 N.</sup> S. 3 on S. W. and S. 34 on N. W. face, 5  
with 4 notches on W. and 2 notches on E. edges;  
dug pits,  $18 \times 18 \times 12$  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 rolling.

Soil 3rd rate.

Timber of Juniper.

Vegetation of Bunchgrass.

N. B. T. 21, N. R. 26 E. G. & S. R. M.

## Chains.

N.  $89^{\circ}41'W$ . on a true line between sections 3 and 34,

Va.  $14^{\circ}32'$  East.

Over rolling land.

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 post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 3, 4, 33 & 34,  
marked T. 22 N. S. 34, on N. E., R. 26 E., S. 3  
on S. E. 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.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

Land rolling.

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

U. B. T. 21 N. R. 26 E. G. & S. R. M.

Chains.

N.  $89^{\circ}41'W$  on a true line between sections 4 <sup>and</sup> 33.

Va.  $14^{\circ}32'$  East.

Over rolling land.

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 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. 22 N. S. 33, on N. E., R. 26 E., S. 4

on S. E. <sup>S. 21 W.</sup> S. 5 on S. W. and S. 32 on N. W. face,

with 2 notches on N. and 4 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.

from which

A Juniper 8 ins. diam. bears N.  $19\frac{1}{2}^{\circ}W$ , 93 lks. dist.

marked T. 22 N. R. 26 E., S. 32 B. T.

A Juniper 14 ins. diam. bears N.  $50^{\circ}E$ , 214 lks. dist.

marked T. 22 N. R. 26 E., S. 33 B. T.

A Juniper 9 ins. diam. bears S.  $28^{\circ}W$ , 89 lks. dist.

marked T. 21 N. R. 26 E., S. 5 B. T.

N. B. T. 21 N. R. 26 E. G. & S. R. M.

Chains.

A Juniper 11 ins. diam. bears S. 22 1/2° E, 71 lks. dist.  
marked T. 21 N. R. 26 E, S., <sup>4</sup> B. F.

Land rolling.

Soil 3rd rate.

Timber of Juniper.

Vegetation of Bunchgrass.

N. 89° 41' W on a true line between sections 5 and 32  
Va. 14° 52' East

Over rolling land.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on  
N. face, dug pits, 18 x 18 x 12 ins., E. and W. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 ft. base around post.

50.00 Top of Hill bears N. and S. 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. 5, 6, 31, 32  
marked T. 22 N. S. 32 on N. E., R. 26 E, S. 5  
on S. E. S. 6 on S. W and S. 31 on N. W. faces,  
with 1 notch on W and 5 notch on E. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

N. B. T. 21 N. R. 26 E. G. & S. R. M.

Chains.

from which

A Juniper 11 ins. diam. bears  $N. 23^{\circ} W.$ , 83 lbs. dist.  
marked T. 22 N. R. 26 E, S., 31 B. T.

A Juniper 10 ins. diam. bears  $N. 60^{\circ} E.$ , 123 lbs. dist.  
marked T. 22 N. R. 26 E, S., 32 B. T.

A Juniper 7 ins. diam. bears  $S. 21^{\circ} W.$ , 209 lbs. dist.  
marked T. 21 N. R. 26 E, S., 6 B. T.

A Juniper 5 ins. diam. bears  $S. 53\frac{1}{2}^{\circ} E.$ , 272 lbs. dist.  
marked T. 21 N. R. 26 E, S., 5 B. T.

Land rolling.

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.



N. B. T. 21 N. R. 26 E. G. &amp; S. R. M.

Chains.

N. 89° 41' W. on a true line between sections 6 and 31,

Va. 14° 32' East.

Descend.

3.41 Cross Wash, 100 lks. wide, Course S. 55° 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  
 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.

79.41 The Cor. to Tps. 21 & 22 N. Rs. 55 & 26 E.  
 from which I started  
 hand rolling.

Soil 3<sup>rd</sup> rate.

Timber of Juniper

Vegetation of Bunchgrass.

December 18<sup>th</sup> 1882.

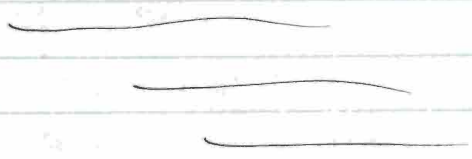
U. B. T. 21 N. R. 25 E. G. & S. R. M.

From the Cor. to Tps. 21 & 22 N. Rs. 25. & 26 E.,  
recently established by me -  
I run West on a random line on U. B. of Tp.

Va. 14° 39' East.

I set temporary corners at every half mile, and at 5 miles  
79.50 chs. I arrive at a point 200 lks. South of Cor. to Tps,

21 <sup>W</sup> 22 N, Rs. 24 <sup>W</sup> 25 E,  
which is a sandstone, 46 x 24 x 5 ins.,  
38 ins. in the ground, marked with  
6 notches on each edge  
and with a mound of  
stone alongside



From which corner I run.

S. 89° 46' E. on a true line between sections 6 and 31.

Va. 14° 39' East.

Over level land

39.50 **Set a** Sand stone 20 x 10 x 8 ins., 15  
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.  
face, dua pits. 18 x 18 x 12 ins. E. and W. of stone

128  
 N. B. T. 21 N. R. 25 E. G. & S. R. M.

## Chains.

5½ ft. dist., and raised a mound of earth 1½ ft. high,  
 3½ ft. base. alongside

79.50

Set a sand stone 20 x 20 x 10 ins. 15 ins. in  
 the ground for Cor. to Secs. 5, 6, 31 & 32, marked  
 with / notch on ~~N~~ and 5 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.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

U. B. T. 21 N. R. 25 E. G. &amp; S. R. M.

Chains.

S. 89° 46' E, on a true line between sections 5<sup>4a</sup> & 32.

Va. 14° 35' East.

Over level land

2.16 Cross Wash, 200 lks. wide, Course S. 70° W.

40.00 Set a Sand stone 13 x 10 x 8 ins., 9  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  
5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
3 $\frac{1}{2}$  ft. base. alongside

80.00 Set a Sand stone 14 x 12 x 8 ins. 9 ins. in  
the ground for Cor. to Secs. 4, 5, 32<sup>4a</sup> & 33, marked  
with 2 notches on N. and 4 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. alongside

Land level.

Soil 2<sup>nd</sup> rate

Vegetation of Bush grass

Chains,

d.  $89^{\circ}46'$  E. on a true line between sections 4 <sup>Sec 33</sup>  
Va.  $14^{\circ}35'$  East.

Over level land

40.00 Set a Sand stone  $14 \times 12 \times 8$  ins., 7  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on U.  
face, dug pits,  $18 \times 18 \times 12$  ins., E. and W. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

80.00 Set a Sand stone  $20 \times 18 \times 4$  ins., 15 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  
 $18 \times 18 \times 12$  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. alongside

Land level.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

## U. B. T. 21 N. R. 25 E. G. &amp; S. R. M.

Chains.

S. 89° 46' E. on a true line between sections 3 and 34.

Va. 14° 05' East.

Over level land

- 40.00 Set a sand stone 14 x 12 x 10 ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside
- 45.00 Leave Valley, bears N. and S. and ascend.
- 68.00 Top of Spur, bears N. and E. and descend.
- 72.00 Enter Flat bears N. and E.
- 80.00 Set a sand stone 20 x 12 x 9 ins. 15 ins. in the ground for Cor. to Secs. 2, 3, 34, 35, marked with 4 notches on W. and 2 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. alongside  
Land level.  
Soil 2<sup>nd</sup> rate  
Vegetation of Bunchgrass.

Chains.

S. 89° 46' E. on a true line between sections 2<sup>nd</sup> & 3<sup>rd</sup>  
Va. 14° 35' East.

Over level land

40.00 Set a Sandstone 15 x 12 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

80.00 Set a Sandstone 16 x 4 x 12 ins., 11 ins. in the ground for Cor. to Secs. 1, 2, 3 & 6, marked with 5 notches on N. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside  
Land level.

Soil 2<sup>nd</sup> rate  
Vegetation of Bunchgrass.

U. B. T. 21 N. R. 25 E. G. & S. R. M.

Chains.

S. 89° 46' E. on a true line between sections 1 and 36.  
 Va. 14° 30' East.

Ascend.

8.00 Top of Divide, between Rio Puerco  
 and Le Roux wash, and descend.  
 10.00 Enter Timber, Bears. N. E.

40.00 Set a Sandstone 19 x 8 x 8 ins., 14  
 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N.  
 face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  
 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high,  
 3 1/2 ft. base. alongside

43.00 Cross Wash, 19 lks. wide, Course S. W. and ascend.

70.80 Top of Hill bears N. E. and S. W. and descend.

80.00 The Cor. to Tps. 21 & 22 N. Rs. 25 & 26 E.  
 from which I started  
 Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunch grass.

Timber of Juniper.

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

December 19<sup>th</sup> 1882



from the Cor. to Tps. 31 & 22 N. Rs. 25 & 26 E.,  
recently established by me  
I run,

North on a true line between sections 31 and 36.

Va. 14° 39' East.

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  
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.

80.00

Top of Divide, between Rio Puercos  
and Le Roy Wash, near N. E.  $\frac{1}{4}$  S. W.  $\frac{1}{4}$

Set a sand stone 20 x 12 x 8 ins. 15 ins. in  
the ground for Cor. to Secs. 25, 30, 31 & 36, marked  
with / notch on S. and 5 notches on N 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. alongside

Land rolling.

Soil 3 m rate.

Timber of Juniper.

Vegetation of Bunchgrasses.

W. B. T. 22 N. R. 26 E. G. & S. R. M.

North on a true line between sections 25<sup>and</sup> 30.  
Va.  $14^{\circ} 39'$  East.

Descend.

14.00 Enter Valley, bears, E. <sup>and</sup> W. and  
Leave Timber, Bears. N.  $85^{\circ} 12' E.$  <sup>and</sup> S.  $85^{\circ} 12' W.$

20.00 From this point, a cabin, a  
corral and a tract of cultivated  
land, bears East, 2.00 chs. dist.

40.00 Set a sandstone  $20 \times 12 \times 10$  ins., 15  
ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W.  
face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

80.00 Set a sand stone  $20 \times 12 \times 10$  ins., 15 ins. in  
the ground for Cor. to Secs. 19, 24, 25 & 30, marked  
with 2 notches on S. and 4 notches on N. edges, dug pits  
 $18 \times 18 \times 12$  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. alongside  
Land level.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

W. B. T. 22 N. R. 26 E. G. &amp; S. R. M.

## Chains.

North on a true line between sections 19<sup>Q</sup> and 24.Va.  $14^{\circ} 59'$  East.

Over level land

40.00 Set a sand stone  $20 \times 12 \times 8$  ins., 18 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

80.00 Set a sand stone  $20 \times 12 \times 8$  ins. 18 ins. in the ground for Cor. to Secs. 18, 18, 19<sup>Q</sup> and 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits  $18 \times 18 \times 12$  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. alongside

Level level.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

Chains.

North on a true line between sections 13 <sup>and</sup> 18.  
Va. 14° 39' East.

Ascend.

40.00 Set a Sandstone 14 x 10 x 6 ins., 9  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  
5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
3 $\frac{1}{2}$  ft. base. *Alongside,*

71.00 Top of Ridge, bears N.E. <sup>and</sup> S.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, 18 & 18,  
marked T. 22 N. S. 7, on N. E., R. 26 E., S. 18  
on S. E. <sup>R. 25 E.</sup> 13 on S. W. and S. 12 on N. W. face,  
with 4 notches on S. and 2 notches on ~~W.~~ 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 rolling.

Soil *3<sup>rd</sup> rate*

Vegetation of *Bunchgrass.*

W. B. T. 22 N. R. 26 E. G. &amp; S. R. M.

Chains,

North on a true line between sections 7 <sup>and</sup> 12.Va.  $14^{\circ} 39'$  East.

Descend.

40.00 Set a Sand stone  $10 \times 10 \times 6$  ins., 10 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

63.00 Cross Gulch, 13 lks. wide, Course S.W. and ascend.

80.00 Set a Sand stone  $15 \times 13 \times 8$  ins., 10 ins. in the ground for Cor. to Secs. 1, 6, 7 <sup>and</sup> 12, marked with 5 notch on S. and 1 notch on W. edges, dug pits  $18 \times 18 \times 12$  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. alongside

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

W. B. T. 22 N. R. 26 E. G. &amp; S. R. M.

chains.

North on a true line between sections / <sup>Qua 6.</sup>

Va. 14039' East.

Ascend.

27.00 Top of Ridge, bears  $N. E. \frac{1}{4}$  and  $S. W. \frac{1}{4}$  and descend.40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on  
 $N. W.$  face, dug pits, 18 x 18 x 12 ins.,  $N. E.$  and  $S. W.$  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.50.00 Set a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked  
stone 12 ins. in the ground, for Cor: to Tps. 22  
and 23  $N. R.$ 's 25 and 26 E marked T, 204 S. 31  
on N. E. R. 266 S: 6 on S. E. T. 224 S. 1 on S,  
W, and R, 256 S, 36 on N, W, faces, with 6 notches  
on each edge, dug, pits 24 x 18 x 12 ins., lengthwise on  
each line, N, S, E, and W, of post, 6 ft. dist, and  
raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft. base  
around post,

Land rolling.

Soil  $gmc$  rate

Vegetation of Bunchgrass.

W. B. T. 22 N. R. 26 E. G. &amp; S. R. M.

Chains.

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

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. 23 & 22 N Rs. 25. & 26 E.  
~~run East.~~  
 I run East. on a random line on N. B. of Tp.

Va.  $14^{\circ} 42'$  East.

I set temporary corners at every half mile, and at 5 miles 78.97 chs. I arrive at a point 55 lks. North of Cor. to Tps, 23 & 22 N Rs. 26 & 27 E. from which corner I run N.  $89^{\circ} 56'$  W. on a true line between sections 1 & 36.

Va.  $14^{\circ} 38'$  East.

Ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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. from which

1 Juniper 8 ins. diam. bears S.  $63^{\circ}$  W., 2 lks. dist. marked  $\frac{1}{2}$  S. B. T.



U. B. T. 22 N. R. 26 E. G. & S. R. M.

Chains.

No other trees within limits.

42.00

Top of Hill bears N. and S. and descend.

74.00

Cross Wash, 200 yds. wide, Course N. & 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. 1, 2, 35 & 36,

marked T. 23 N. S. 36, on N. E., R. 26 E., S. 1

on S. E. S. <sup>2</sup> on S. W. and S. 35 on N. W. face,

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

dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,

and raised a mound of earth 2 ft. high, 4 1/2 ft. base

around post.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

U. B. T. 22 N. R. 26 E. G. & S. R. M.

chains.

N. 89° 56' W. on a true line between sections 2 and 35.

Va. 14° 36' East.

Ascend.

8.00 Top of Hill bears N. 17° W. and S. 17° E. and descend.

35.00 Cross Wash, 200 lks. wide, Course N. 15° E. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

70.00 Top of Hill 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 & 35, marked T. 23 N. S. 35, on N. E., R 26 E, S. 2 on S. E. S. 3 on S. W. and S. 34 on N. W. face, with 4 notches on W. and 2 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land mountainous

Soil 3 rd rate.

Timber of Juniper.

Vegetation of Bunchgrass.

141  
 U. B. T. 22 N. R. 26 E. G. & S. R. M.

Chains.

N. 89° 12' W. on a true line between sections 3 & 34,  
 Va. 14° 36' East.

Descend.

10.00 Leave Timber, Bears. U. and S.

30.00 Enter Valley, bears. U. and S.

40.00 Set a sand stone 14 x 12 x 8 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 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. 3, 4, 33 & 34, marked T. 23 N. S. 34, on N. E., R. 26 E., S. 3 on S. E. S. 24 on S. W. and S. 83 on N. W. faces, with 3 notch 20 on W. and 3 notch 20 on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land level.

Soil 3000 rate

Vegetation of Bunchgrasses.

U. B. T. 22 N R. 26 E. G. & S. R. M.

chains.

N. 89° 46' W. on a true line between sections 4 and 33.

Va. 14° 36' East.

Over level land

35.00 Leave Valley, bears N. 89° 46' W. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on  
N. face, dug pits, 18 x 18 x 12 ins., E. and W. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 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. 4, 5, 32 & 33,  
marked T. 23 N S. 23, on N. E., R. 26 E., S. 4  
T. 22 N.  
on S. E. S. 5 on S. W. and S. 32 on N. W. faces,  
with 2 notch es on W. and 4 notch es on E. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrasses.

Chains.

U. 89°56' W. on a true line between sections 5 and 32,  
Va. 14°36' East.

Ascend.

30.00 Enter Timber, Bears. U. 15 1/2° E.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on  
U. face, dug pits, 18 x 18 x 12 ins., E. and W. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 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. 5, 6, 31 & 32,  
marked T. 23 N. S. 32, on N. E., R. 26 E., S. 5  
on S. E. <sup>S. 22 N.</sup> 6 on S. W. and S. 31 on N. W. face, <sub>S.</sub>  
with / notch on W and S notch 20 on E. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

Timber of Juniper

T. 13. T. 22 N R. 26 E. G. &amp; S. R. M.

Chains.

77.8756' W on a true line between sections - 6 <sup>Chains</sup> 31.Va.  $14^{\circ} 36'$  East.

Over high table land.

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  $\frac{1}{2}$  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.

78.97 The Cor. to Tps. 22 & 23 N. Rs. 25 & 26 E.  
 from which I started -  
 hand rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunch grass.

Timber of Juniper.

December 20<sup>th</sup> 1882.

N. B. T. 22 N R. 25 E. G. &amp; S. R. M.

## Chains.

From the Cor. to Tps. 22 & 23 N Rs. 25 & 26 E.  
 recently established by me  
 I run West on a random line on N. B. of Tp.

Va.  $140^{\circ}42'$  East.

I set temporary corners at every half mile, and at 5 miles  
 78.80 chs. I arrive at a point 50 lks. North of Cor. to Tps,

22<sup>nd</sup> & 23<sup>rd</sup> N, Ro. 24<sup>th</sup> & 25<sup>th</sup> E, which is  
 a sandstone,  $12 \times 12 \times 10$  ins., 8 ins. in  
 the ground, marked with 6 notches  
 on each edge; with pits  
 $24 \times 18 \times 12$  ins. N, S, E. and W of  
 stone, 6 ft. dist., and a mound of  
 earth,  $2\frac{1}{2}$  ft. high, 5 ft. base  
 along side

From which corner I run.

$N. 89^{\circ}56'$  E. on a true line between sections 6<sup>th</sup> & 31.

Va.  $14^{\circ}42'$  East.

Descend.

38.80

Set a sand stone  $14 \times 10 \times 8$  ins., 9  
 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
 face, dug pits,  $18 \times 18 \times 12$  ins., E. and W. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

chains.

40.12 Cross Wash, 200 lks. wide, Course S.W. and ascend

78.80 Set a sand stone 15 x 10 x 8 ins. 10 ins. in  
 the ground for Cor. to Secs. 5, 6, 31 & 32, marked  
 with / notch on N and 0 notches on E. edges, dug pits  
 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a  
 mound of earth 2 ft. high 4 1/2 ft. base. alongside

Land rolling.

Soil 3m rate

Vegetation of Bunchgrasses.



Chains.

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

Va. 14° 29' East.

Ascend.

40.00 Set a sand stone 11 x 10 x 8 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

42.90 Top of Ridge, bears U. and S. and descend.

68.00 Cross Gulch, 20 lks. wide, Course S. W. and ascend.

80.00 Set a sand stone 16 x 9 x 5 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside  
Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

Chains.

U.  $89^{\circ} 56' E$ , on a true line between sections 4 <sup>and</sup> 33,

Va.  $14^{\circ} 39'$  East.

Ascend.

9.00 Top of Ridge, bears U.  $E.$  <sup>and</sup> S.  $W.$  and descend.

29.00 Cross Gulch, 16 lks. wide, Course S.  $W.$  and ascend.

40.00 Set a Sandstone  $18 \times 8 \times 8$  ins., 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on U. face, dug pits,  $18 \times 18 \times 12$  ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

07.60 Top of Ridge, bears U.  $41^{\circ} 12' E.$  <sup>and</sup> S.  $41^{\circ} 12'$  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. 3, 4, 33 <sup>and</sup> 34, marked T. 23 U. S. 34, on N. E., R. 25 E, S. 3 on S. E. <sup>T. 22 U.</sup> 4 on S. W. and S. 33 on N. W. faces, with 3 notches on W. and 3 notches on E. edges; dug pits,  $18 \times 18 \times 12$  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 rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

Chains,

N. 79° 58' E. on a true line between sections 3<sup>rd</sup> and 34.

Va. 148 89 East.

Descend.

15.00 Enter Timber, bears N. 21 1/2° W. <sup>Qu</sup> S. 21 1/2° E.

30.50 Cross Gulch, 11 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 1/2 Sec. Cor., marked 1/2 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

57.00 Top of Ridge, bears N. E. <sup>Qu</sup> S. 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. 2, 3, 34 & 35, marked T. 22 N. S. 35, on N. E., R. 25 E., S. 2 on S. E., S. 3 on S. W. and S. 34 on N. W. faces, with 4 notch 20 on W. and 2 notch 20 on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.  
Land mountainous

Soil good rate.

Timber of Juniper.

Vegetation of Bunchgrass.

Chains.

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

Va. 140 39' East.

Descend.

2.90 Cross Gulch, 13 lks. wide, Course S. 25° W. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.

12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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 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. 22 N. S. 36, on N. E., R. 25 E., S. 1 on S. E. S. <sup>S. 22 N.</sup> 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., 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 3<sup>m</sup> rate.

Timber of Juniper.

Vegetation of Ranchgrass.

N. B. T. 22 N. R. 25 E. G. & S. R. M.

## Chains.

N.  $89^{\circ} 52'$  E. on a true line between sections 1 and 36.

Va.  $14^{\circ} 39'$  East.

Ascend.

- 22.00 Top of Ridge, bears N. E.  $\frac{1}{2}$  S. W. and descend.
- 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.
- 59.00 Cross Gulch, 13 lks. wide, Course S. W. and ascend.
- 80.00 The Cor. to Tps. 22 & 23 N. Rs. 25 & 26 E.  
 from which I started  
 Land mountainous  
 Soil fine rate.  
 Timber of Juniper.  
 Vegetation of Bunchgrass.

December 21<sup>st</sup> 1882.

W. B. T. 23 N. R. 26 E. G. &amp; S. R. M.

Chains.

From the Cor. to Tps. 22 & 23 N. Rs. 25 & 26 E,  
 recently established by me -  
 I run,

North on a true line between sections 31 <sup>and</sup> 36.

Va. 140 42' East.

Descend.

22.00 Cross Gulch, 11 lks. wide, Course S. W. and ascend.

40.00 Set a sandstone 13 x 9 x 6 ins., 9  
 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
 face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

61.00 Top of Ridge, bears N. E. <sup>and</sup> S. W. and descend.

80.00 Set a sandstone 12 x 11 x 9 ins. 9 ins. in  
 the ground for Cor. to Secs. 25, 30, 31 & 36, marked  
 with / notch on S. and 5 notches on N. 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. *alongside*

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

## Chains.

North on a true line between sections 25 and 30.

Va. 14° 42' East.

Descend.

26.00 Cross Ravine, Course. S. W. and

Ascend.

28.00 Enter Timber, Bears. E. and W.

40.00 Set a sandstone 18 x 8 x 8 ins., 12 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

80.00 Set a sandstone 16 x 12 x 10 ins. 11 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30 marked with 2 notches on S. and 4 notches on W. 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. alongside  
Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

Chains.

North on a true line between sections 19 <sup>Qua</sup> 24.

Va.  $14^{\circ}42'$  East.

Ascend.

30.50 Top of Ridge, bears N. E. <sup>Qua</sup> S. W. and descend.

40.00 Set a sand stone  $16 \times 10 \times 6$  ins., 11 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

70.00 Cross Gulch,  $1\frac{3}{4}$  lks. wide, Course E. and ascend.

80.00 Set a sand stone  $14 \times 12 \times 8$  ins. 9 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notch 20 on S. and 3 notches on N. edges, dug pits  $18 \times 18 \times 12$  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. alongside

from which

A Juniper 7 ins. diam. bears  $N. 47\frac{1}{4}^{\circ} E.$ , 117 lks. dist. marked T. 23 N. R. 26 E, S., 18 B. T.

A Juniper 8 ins. diam. bears  $S. 86\frac{1}{2}^{\circ} W.$ , 250 lks. dist. marked T. 23 N. R. 25 E, S., 24 B. T.

No other trees within limits.

Land mountainous.

Soil <sup>3<sup>rd</sup></sup> rate

Timber of Juniper.

Vegetation of Bunchgrass.



Chains.

North on a true line between sections 13 and 18  
 Va.  $14^{\circ} 42'$  East.

Ascend.

40.00 Set a Sandstone  $14 \times 8 \times 6$  ins., 12  
 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
 face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

68.00 Top of Ridge, bears E. and W. and descend.

80.00 Set a Sandstone  $11 \times 13 \times 10$  ins. 10 ins. in  
 the ground for Cor. to Secs. 9, 12, 10 & 18, marked  
 with 4 notch  $\infty$  on S. and 2 notch  $\infty$  on W. edges, dug pits  
 $18 \times 18 \times 12$  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. alongside

Land mountainous

Soil gr rate.

Timber of Jumper.

Vegetation of Bunchgrass.

Chains.

North on a true line between sections 7 <sup>and</sup> 12.

Va. 14<sup>42</sup> East.

Descend.

13.00 Cross Gulch, 13 lks. wide, Course W and ascend.

17.50 W. House W. corner, bears W, 8, 00 chs. dist.

25.00 Top of Ridge, bears E. <sup>and</sup> W. and descend.

40.00 Set a sandstone 14 x 13 x 10 ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

62.00 Cross Ravine, Course E. and ascend.

80.00 Set a sand stone 12 x 12 x 12 ins. 8 ins. in the ground for Cor. to Secs. 11, 6, 7 <sup>and</sup> 12, marked with 5 notches on S. and 1 notch on N. 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. alongside  
Land mountainous

Soil ~~of~~ rate.

Timber of Jumper.

Vegetation of Bunchgrass.

## Chains.

North on a true line between sections 1 <sup>4</sup>/<sub>4</sub> 6.  
Va.  $14^{\circ}42'$  East.

Ascend.

3.00 Top of Ridge, bears  $E. \frac{1}{4} W.$  and descend.

26.00 Cross Gulch, 14 lks. wide, Course  $W.$  and ascend.

40.00 Set a sand stone  $13 \times 11 \times 7$  ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  $W.$  face, dug pits,  $18 \times 18 \times 12$  ins.,  $U$  and  $S$  of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

47.00 Top of Ridge, bears  $E. \frac{1}{4} W.$  and descend.

72.00 Cross Gulch, 9 lks. wide, Course  $E.$  and ascend.

80.00 Set a sand stone  $15 \times 10 \times 10$  ins. 10 ins. in the ground, for Cor. to Tps. 23 and 24  $NR$ 's 25 and 26  $E.$ , marked with 6 notches on each edge, dug pits,  $24 \times 18 \times 12$  ins. lengthwise on each line,  $N. S. E.$  and  $W.$  of stone, 6 ft. dist., and raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft. base. alongside from which

A Juniper 9 ins. diam. bears  $N. 17^{\circ} E.$ , 127 lks. dist. marked T. 24  $NR$ . 26  $E.$ , S., 31 B. T.

A Juniper 10 ins. diam. bears  $N. 38\frac{1}{2}^{\circ} W.$ , 218 lks. dist. marked T. 24  $NR$ . 25  $E.$ , S., 36 B. T.

W. B. T. 23 N. R. 26 E. G. & S. R. M.

Chains.

A Juniper 5 ins. diam. bears S. 59<sup>1</sup>/<sub>4</sub> W., 111 lks. dist.

marked T. 2311 R. 25<sup>e</sup>, S., / B. T.

No other trees within limits.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

N. B. T. 23 N. R. 26 E. G. &amp; 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 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. 23 & 24 <sup>U</sup> Rs. 25. & 26 E.,  
~~Just established~~  
 I run East. on a random line on N. B. of Tp.

Va. 14° 08 East.

I set temporary corners at every half mile, and at 5 miles  
 76.25 chs. I arrive at a point 40 lks. South of Cor. to Tps,  
 23 & 24 <sup>U</sup> Rs. 26 & 27 E. from which corner I run  
 S. 89° 57' W. on a true line between sections 1 & 36.

Va. 14° 35' East.

Ascend.

35.00 Top of Spur, bears U. E. <sup>U</sup> S. W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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.

50.00 Enter Timber, Bears. U. <sup>U</sup> S.

70.00 Cross Wash, 500 lks. wide, Course S and ascend.

U. B. T. 23 N. R. 26 E. G. & S. R. M.

Chains.

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, 3 & 36,  
 marked T. 24 N. S. 36, on N. E., R. 26 E., S. 1  
 on S. E. <sup>S. 2 & 34.</sup> S. 2 on S. W. and S. 25 on N. W. faces,  
 with 5 notch on W. and 1 notch on E. edges;  
 dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
 and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
 around post.

Land mountainous

Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation of Bunchgrass.

Chains.

S. 89° 57' W. on a true line between sections 21 <sup>and 35</sup>

Va. 14° 38' East.

Ascend.

5.00 Leave Timber, Bears. U. 31 1/2° W. E. 31 1/2° E.

17.00 Top of Hill bears U. <sup>and S</sup> and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on  
N. face, dug pits, 18 x 18 x 12 ins., E. and W. of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 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 <sup>and 35</sup>,  
marked T. 24 N. S. 35, on N. E., R. 26 E., S. 2  
<sup>S. 23 N.</sup>  
on S. E., S. 3 on S. W. and S. 34 on N. W. face,  
with 4 notches on ~~W~~ and 2 notches on E. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

U. B. T. 23 N. R. 26 E. G. & S. R. M.

Chains.

S. 87° 57' W. on a true line between sections 3 and 34.

Va. 14° 38' East.

Descend.

12.00 Cross Wash, 100 lks. wide, Course U. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on U. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

73.00 Top of Hill bears U. and S. and descend.

80.00 Set a sand stone 14 x 12 x 8 ins. 7 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass.



Chains.

S. 89° 57' W on a true line between sections 4 <sup>Qa</sup> 33,  
Va. 14° 38' East.

Descend.

15.50 Cross Gulch, 18 lks. wide, Course S. W. and ascend.

40.00 Set a sand stone 16 x 8 x 6 ins., 11  
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.  
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  
5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high,  
3 1/2 ft. base. alongside

50.00 Top of Ridge, bears N. <sup>Qa</sup> E. and descend.

80.00 Set a sand stone 11 x 10 ins. 10 ins. in  
the ground for Cor. to Secs. 4, S. 82° 53', marked  
with 2 notch on W. and 4 notch on E. edges, dug pits  
18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a  
mound of earth 2 ft. high 4 1/2 ft. base. alongside  
Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

U. B. T. 23 N. R. 26 E. G. &amp; S. R. M.

Chains.

S. 89° 57' W. on a true line between sections 5 &amp; 32.

Va. 14° 38' East.

Descend.

40.00 Set a sand stone 14 x 10 x 6 ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

58.00 Cross Gulch, 11 lks. wide, Course S. and ascend.

80.00 Set a sand stone 14 x 12 x 8 ins., 9 ins. in the ground for Cor. to Secs. 5, 6, 31 & 32, marked with  $\gamma$  notch on W. and  $\zeta$  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. alongside

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation of Ranchgrass.

U. B. T. 23 N. R. 26 E. G. &amp; S. R. M.

## Chains.

S. 89° 57' Upon a true line between sections 6 and 31.

Va. 14° 38' East

Ascend.

4. 45 Top of Ridge, bears N. 40° S. and descend.
38. 25 Cross Ravine, Course. South and ascend.
40. 00 Set a sandstone 10 x 8 x 8 ins., 7 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside
59. 25 Top of Ridge, bears N. 40° S. and descend.
78. 25 The Cor. to Tps. 23 & 24 N. Rs. 25 & 26 E. from which I started land mountainous.  
Soil 3<sup>rd</sup> rate  
Vegetation of Bunchgrass.

December 22<sup>nd</sup> 1882.

## U. S. Surveyor General's Office,

TUCSON, ARIZONA,

June 19, 1883,

The foregoing Field Notes of the Survey of the  
*of a portion*

of two lines of Townships  
19, 20, 21, 22 & 23 North,  
Ranges 25, 26 & 27 East.

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by Frank Hallman

Deputy Surveyor, under his contract of the 31<sup>st</sup>

day of July 1882, 187, having been  
critically examined and the necessary corrections and explana-  
tions made, the said Field Notes and the surveys they describe  
are hereby approved.

Surveyor General.