

96

1306

BOOK 1306

P1

F I E L D   N O T E S

O F

T H E   E X T E R I O R   L I N E S   O F

Townships 19, 20, 21 and 22 N.,  
Ranges 28, 29, 30 and 31 E.

Gila and Salt River Base and  
Meridian,

ARIZONA.

By W. R. Fitzgerald, D. S. under  
Contract dated July 17, 1882.  
Survey commenced October 12, 1882.  
Survey completed October 28, 1882.

Indy

BOOK 1306

S+W-Bdy	-	T.	20	N	;	R.	28	E.
E+N	-	"	-	"	19	N	"	29
E	-	"	-	"	20	"	"	29
N-S+E	-	"	-	"	19	"	#	30
N	-	"	-	"	19	"	"	31
E	-	"	-	"	20	"	"	30
W+N	-	"	-	"	21	"	"	31
"	"	"	-	"	22	"	"	31
"	"	"	-	"	21	"	"	30
"	"	"	-	"	21	"	"	29
W+N	-	"	-	"	22	"	"	30
"	-	"	-	"	22	"	"	29
W+N	-	"	-	"	21	"	"	28







For preliminary oaths and description of instrument see Book I

Before proceeding ~~farther~~ 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. 19 & 20 N. Rs. 28 & 29 E., recently established by me I run,

West. on a true line between sections 1 and 36. Va. 14° 18' East.

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.

46.00 Cross low Sag and ascend.

68.00 Top of Ridge, bears N. 10° E. 1/2 S. of 10° 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 and 36, marked T. 20 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 1 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.,



S. B. T. 20 N. R. 28 E. G. &amp; S. R. M.

## Chains.

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.

West. on a true line between sections 2<sup>nd</sup> and 35.

Va.  $14^{\circ} 10'$  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. 2, 3, 84<sup>th</sup> 00, marked T. 20 N., S. 35, on N. E., R. 28 E., S. 2 on S. E., S. 3 on S. W. and, S. 84 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.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base around post.

S. B. T. 20 N. R. 28 E. G. &amp; S. R. M.

Chains.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

West. on a true line between sections 3 and 34.

Va.  $14^{\circ} 10'$  East.

Descend.

2.90 Corner road to Davis' ranch, ran  $4.20^{\circ} W$ ,  $20^{\circ} E$ .

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 and 34,  
 marked T. 20<sup>th</sup>, S. 34, on N. E., R. 28<sup>th</sup> E., S. 3  
 on S. E. S. 4 on S. W. and S. 33 on N. W. faces,  
 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  
 around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.



S. B. T. 20 N. R. 28 E. G. & S. R. M.

Chains.

West. on a true line between sections 4 <sup>Sec 33</sup>

Va. 14° 10' East.

Descend.

2.00 Cross Gulch, 12 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 Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 4, 5, 6, 20, 21, 30, marked T. 20 N., S. 33, on N. E., R. 28 E., S. 4 <sup>1974</sup> on S. E., S. 5 on S. W. and S. 32 on N. W. faces, with 2 notch <sup>20</sup> on W. and 4 notch <sup>20</sup> 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 2<sup>nd</sup> rate

Vegetation of bunchgrass.

S. B. T. 20 N. R. 28 E. G. &amp; S. R. M.

## Chains.

West. on a true line between sections 5 and 32.

Va. 140 10' 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.67.68 Cross Road, bears, N. E.  $\frac{1}{4}$  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. 5, 6, 31 and 32, marked T. 20 N. S. 32, on N. E., R. 28 E., S. 5 on S. E. S. 6 on S. W. and S. 31 on N. W. faces, with 1 notch on N. and 5 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base around post.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.



S. B. T. 20 N. R. 28 E. G. &amp; S. R. M.

Chains.

West. on a true line between sections 6 and 31.

Va.  $14^{\circ} 10'$  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.

77.07 ~~Set a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor: to Tps. 19 and 20 N. R's 27 and 28 E. marked T, 20 N. S. 31 on N. E. R. 28 E. S. 6 on S. E. T. 19 N. S. 1 on S. W. and R. 27 E. S. 36 or W. faces with 6 notches on each edge. dug pits  $24 \times 18 \times 12$  ins., 2 eachwise 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 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

W. 18. T. 20 N. R. 27 E. G. & S. R. M.

Chains.

From the Cor. to Sps. 19 + 20 N R 27 + 28 E  
 just established -

✓ Jan North on a true line between sections 31 and 36.

Dir. 14° 15' East.

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.

80.00 Set a red 3 ft long stone 16 x 10 x 6 ins. 11 ins. in  
 the ground for Cor. to Secs. 25, 30, 31 + 36, marked  
 with 1 notch on S. and 5 notches on N. edges and  
 raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 3 m rate

Vegetation Bluegrass.



W. B. T. 20 N. R. 28 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25 and 30.

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

Descend.

40.00 Set a sand stone  $12 \times 10 \times 6$  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., M. 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. 19, 24, 25 & 30 marked T. 20 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. face, 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 around post.  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of bunchgrass.

W. B. T. 20 N. R. 28 E. G. & S. R. M.

Chains.

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

Descend.

20.00 Cross low Sag and ascend.

35.00 Top of Ridge, bears N. 50° E. <sup>and</sup> S. 50° 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.

50.00 Cross Wash, 8 fks. wide, Course S. 50° 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. 13, 18, 19<sup>and</sup> 24,  
marked T. 20 N., S. 18, on N. E., R. 28 E., S. 19  
on S. E. <sup>N. 37 E.</sup> S. 24 on S. W. and S. 18 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 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass,

W. B. T. 20 N. R. 28 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 13 and 18.

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

Ascend.

2.05 Enter Timber, E. and W.

18.00 Top of Ridge, bears N.  $70^{\circ}$  E. and S.  $70^{\circ}$  W. and descend.

40.00 Set a sand stone  $18 \times 12 \times 6$  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

51.00 Owen's house, bears West, 3.40 chs. dist.

Owen's house, bears N.  $52^{\circ} 30'$  W., 1.70 chs. dist.

A corral, bears West, 1.80 chs. dist.

51.60 Cross Wash, 8 lks. wide, Course W. and ascend.

72.70 Top of Ridge, bears N.  $70^{\circ}$  E. and S.  $70^{\circ}$  W. and descend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 7, 12, 13 and 18, marked T. 20 N., S. 7, on N. E., R. 28 E., S. 18 on S. E., S. 13 on S. W. and S. 12 on N. W. faces, with 4 notches on S. and 2 notches on N. edges; dug pits,  $18 \times 18 \times 12$  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 bears



W. B. T. 20 N. R. 28 E. G. & S. R. M.

Chains.

Squaw Springs, S. 61° 18' W., 53.52 chs. dist.

Land rolling.

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

Timber of *Southern Cedar*.

Vegetation of *Bunchgrass*.

North on a true line between sections 7 and 12.

Va. 14° 15' East.

Descend.

24.83 Cross Road, bears, N. 30° E. and S. 80° 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.

46.50 Cross Wash, 12 lks. wide, Course S. W. and ascend.

80.00 Set a sandstone 12 x 12 x 8 ins. 8 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notch on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside Land rolling. Timber of *Southern Cedar*.

Soil 2<sup>nd</sup> rate

Vegetation of *Bunchgrass*.

W. B. T. 20 N. R. 28 E. G. & S. R. M.

Chains.

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

Ascend.

38.00 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  
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.

82.69 Intersect the 5<sup>th</sup> Standard *Carl North*, at a  
point 2.16 chs. West of the Standard Cor. to  
Tps. 21 N., R. 37  $\frac{1}{2}$  E. 28 E., which  
is a post, 4  $\frac{1}{2}$  ft. long, 4 ins. square, <sup>with marker stone,</sup> 12  $\frac{1}{2}$  ins. in the  
ground, for Standard Cor. to Tps. 21 N., R's 27 and  
28 E. marked T. 21 N., on N., R. 28 E., S. 31,  
on E., and R. 27 E., S. 36 on W. faces, with  
6 notches on N., E.  $\frac{1}{2}$  W. faces; from which  
A Cedar 14 ins. diam. bears N. 47° E., 96 lks. dist.  
marked T. 21 N., R. 28 E., S., 31 B. T.

A Cedar 10 ins. diam. bears N. 54° W., 107 lks. dist.  
marked T. 21 N., R. 27 E., S., 36 B. T.

A Cedar 14 ins. diam. bears S. 22° E., 77 lks. dist.  
marked T. 20 N., R. 28 E., S., 6 B. T., at <sup>point of interest</sup> ~~which point~~

W. B. T. 20 N R. 28 E. G. & S. R. M.

Chains.

① Set a post  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Closing Cor. to Tps. 20 N., R's 27 and 28 E., marked C. C. T: 20 N. on S, R. 28 E. S. 6, on E., and R. 27 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. & 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 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.

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



E. B. T. 19 N. R. 29 E. G. &amp; S. R. M.

Chains.

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

From the Cor. to Tps. 18 & 19 N. Rs. 29 & 30 E.,

Which is a

a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Tps. 18 & 19 W and R's 29 and 30 E marked T, 19 W, S. 31 on N. E. R. 30 E, S: 6 on S. E. T. 18 W, S. 1 on S, W, and R, 29 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, Iron

## E. B. T. 19 N. R. 29 E. G. &amp; S. R. M.

chains.

North on a true line between sections 31 and 36.

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

Ascend.

16.75 Top of Ridge, 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 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.

65.70 Cross Road, bears N.  $20^{\circ}$  W. and S.  $20^{\circ}$  E.

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. 29 E., S. 31  
on S. E. S. 36 on S. W. and S. 25 on N. W. faces,  
with  $\gamma$  notch on S. and  $\sigma$  notch  $\sigma$  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 *Bentgrass*.

E. B. T. 19 N. R. 29 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25<sup>th</sup> and 30.Va.  $14^{\circ} 15'$  East.

Descend.

1.30 Cross Gulch, 6 lks. wide, Course West and ascend.

40.00 Set a Sand stone  $15 \times 10 \times 8$  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., M. 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. 19, 24, 25<sup>th</sup> and 30, marked T. 19 N., S. 19 on N. E., R. 29 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 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 around post.  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.



North on a true line between sections 19 and 24.

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

Ascend.

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

22.80 Cross Road, bears <sup>from Harajoe</sup>  $71.8^{\circ} W.$  and  $S. 81^{\circ} E.$

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., M. 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 and 24,  
marked T. 19 N., S. 18, on N. E., R. 30 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 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  
around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

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E. B. T. 19 N. R. 29 E. G. & S. R. M.

BOOK 1306

Chains.

North on a true line between sections 13<sup>rd</sup> and 18<sup>th</sup>.  
Va. 14° 15' 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.

46.10

Cross Gulch, 10 lks. wide, Course S. 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. 7, 12, 13<sup>rd</sup> and 18<sup>th</sup>,  
marked T. 19 N., S. 7, on N. E., R. 29 E., S. 18  
on S. E. S. 13 on S. W. and S. 12 on N. W. face,  
with 4 notch  $\infty$  on S. 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.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

ins.

North on a true line between sections <sup>7 Aug 12,</sup>

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  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  S. on  
W. face, dug pits, 18 x 18 x 12 ins., *U.* and *V.* 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.

46.00 Top of Ridge, bears *U. E.* <sup>2nd</sup> *S. W.* and descend.

50.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 1, 6, 7 <sup>Aug 12,</sup>  
marked *T. 19 N., S. 6*, on N. E., *R. 30 E., S. 7*  
on S. E. <sup>R. 29 E.</sup> *S. 12* on S. W. and S. *1* on N. W. faces,  
with *5* notch *10* 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 rolling.

Soil <sup>2nd</sup> rate

Vegetation of Bunchgrass.



E. B. T. 19 N R. 29 E. G. &amp; S. R. M.

Chains:

X

North on a true line between sections 1 and 6.

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

Descend.

1.70 Enter Timber, bears E.  $\frac{1}{2}$  W.

23.00 Cross Gulch, 8 lks. wide, Course S. E. 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  
W. face, dug pits, 18 x 18 x 12 ins., N. 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,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked  
stone 12 ins. in the ground, for Cor: to Tps. 19  
and 20 N, R's 29 and 30 E, marked T, 20 N, S. 31  
on N. E. R. 30 E, S: 6 on S. E. T. 19 N, S. 1 on S,  
W, and R, 29 E, S, 36 on N, W, faces, with 6 notches  
on each edge, dug pit, 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,

Lam rolling.

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

Timber of Somb Cedar.

Vegetation of Bunchgrass.

October 13<sup>th</sup> 1882.

N. B. T. 19 N. R. 29 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. 19 & 20 N., Rs. 29 & 30 E.,  
~~not established~~  
 I run West 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 78.88 chs. I arrive at a point 140 lks. South of Cor. to Tps, ~~recently established by me~~ 19 & 20 N., Rs. 28 & 29 E., from which corner I run  $S. 89^{\circ} 50' E.$ , on a true line between sections 6 & 31.

Va.  $14^{\circ} 18'$  East.

Ascend.

38.88 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.

78.88 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. 29 E., S. 5 on S. E. S. 6 on S. W and S. 31 on N. W. faces, with <sup>E. 19 N.</sup> / notch on N. and 5 notch ~~to~~ on E. edges;

N. B. T. 19 N R. 29 E. G. &amp; 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.

---

S. 89° 50' E, on a true line between sections 5 and 32.

Va. 14° 10' East

Ascend.

17.00 Top of Ridge, bears N. and E. and descend.

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

58.00 Cross Gulch, 20 lks. wide, Course N. and ascend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone,  
12 ins. in the ground, for Cor. to Secs. 4, 5, 32 and 33,  
marked T. 20 N., S. 33, on N. E., R. 29 E., S. 4  
on S. E., S. 5 on S. W. and S. 32 on N. W. faces;  
with 2 notch 20 on N. and 4 notch 20 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



M. B. T. 19 N R. 29 E. G. & S. R. M.

chains.

around post.

Land rolling.

Soil *R<sup>nd</sup>* rate

Vegetation *of Bunchgrass.*

*S. 89° 50' E.*, on a true line between sections *H<sup>and</sup> 33.*

*Va. 114° 13' East.*

*Ascend.*

*37.10* Top of Ridge, bears *N. and S.* 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.

*69.90* *Cross Gulch, 18 lks. wide, came North and ascend.*

*80.00* Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 3, 4, 33 *and* 34, marked *T. 20 N, S. 34*, on *N. E.*, *R. 29 G.*, *S. 3* on *S. E.*, *S. 4* on *S. W* and *S. 33* on *N. W.* faces, with  $\odot$  notch  $\odot$  on *W* and  $\odot$  notch  $\odot$  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.

N. B. T. 19 N. R. 29 E. G. &amp; S. R. M.

BOOK 1306

Chains,

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

---

 S. 87° 50' E. on a true line between sections 3 and 34.

Va. 14° 18' 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., 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.

78.20 Edge of Mesa; near N. E. and S. W. <sup>and</sup> downward.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 2, 2, 34 <sup>and</sup> 35, marked T. 20 N., S. 35 on N. E., R. 29 E., S. 2 on S. E. <sup>S. 3</sup> 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.,  $5\frac{1}{2}$  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.

M. B. T. 19 N R. 29 E. G. & S. R. M.

chains.

$67^{\circ} 50' E$  on a true line between sections 2, 40 & 30.

Va. 140 13' East.

Descend.

35.90 Cross Gulch, 4 lks. wide, Course  $67^{\circ} 20' N$  and ascend.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 1, 2, 30 & 36,  
marked T. 20 N. S. 36, on N. E., R. 29 E., S. 1  
on S. E. <sup>S. 19 N.</sup> S. 2 on S. W. and S. 30 on N. W. face,  
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 *Bunchgrass*.



N. B. T. 19 N. R. 29 E. G. & S. R. M.

Chains,

S. 89° 50' E. on a true line between sections 1 & 36.

Va. 14° 12' East.

Ascend.

16.00 Top of Ridge, bears N. 44° 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.

80.00 The Cor. to Tps. 19 & 20 N. Rs. 29 & 30 E. from which I started hand rolling.

Soil 2nd rate

Vegetation of Ranchgrass.



E. B. T. 20 N. R. 29 E. G. & S. R. M.

ains.

From the Cor. to Secs 19 & 20 N. R. 29 & 30 E. recently established by me I run.

North on a true line between sections 31 and 36.

Va. 14° 15' East.

Descend.

28.00 Cross Wash, 3 lks. wide, Course of 60° W. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; from which

A Pine 8 ins. diam. bears of 52° E., 34 lks. dist. marked 1/4 S. B. T.

A Pine 6 ins. diam. bears N. 69° W., 47 lks. dist. marked 1/4 S. B. T.

71.90 Top of Ridge, bears N. 60° E. or S. 60° W. and descend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 25, 30, 31 and 36, marked T. 20 N., S. 30, on N. E., R. 30 E., S. 31 on S. E. S. 36 on S. W. and S. 25 on N. W. faces, with 1 notch on S. and 5 notches on W. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

from which

A Cedar 26 ins. diam. bears N. 10° E., 98 lks. dist. marked T. 20 N., R. 30 E., S. 30 B. T.

E. B. T. 20 N. R. 29 E. G. & S. R. M.

Chains.

A Cedar 22 ins. diam. bears S. 71° E., 117 lbs. dist.  
marked T. 2071, R. 30 E., S., 31 B. T.

A Cedar 18 ins. diam. bears S. 12° W., 233 lbs. dist.  
marked T. 2071, R. 29 E., S., 36 B. T.

No other trees within limits.

Land rolling.

Soil 300 rate.

Timber of Somb Cedar and Pine.

Vegetation of Bunchgrasses.



E. B. T. 20 N. R. 29 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25<sup>and</sup> 30.Va.  $14^{\circ} 15'$  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.
- 65.00 Cross low Sag and ascend.
- 80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 19, 24, 25<sup>and</sup> 30, marked T. 20 N, S. 19 on N. E., R. 30 E., S. 30 on S. E., S. 25 on S. W. and S. 24 on N. W. faces, with 2 notch<sub>es</sub> on S and 4 notch<sub>es</sub> on N. edges; from which
- A Pine 4 ins. diam. bears N.  $35^{\circ}$  E., 15 lks. dist. marked T. 20 N, R. 30 E., S., 19 B. T.
- A Cedar 20 ins. diam. bears S.  $44^{\circ}$  E., 84 lks. dist. marked T. 20 N, R. 30 E., S., 30 B. T.
- A Cedar 14 ins. diam. bears S.  $28^{\circ}$  W., 57 lks. dist. marked T. 20 N, R. 29 E., S., 25 B. T.
- A Pine 8 ins. diam. bears N.  $82^{\circ}$  W., 71 lks. dist. marked T. 20 N, R. 29 E., S., 24 B. T.

Lana rolling.

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

Timber of Semt Cedar.

Vegetation of Bunchgrass.

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

Va. 14° 15' East.

Ascend.

- 5.00 Edge of Mesa, <sup>then</sup> N. 60° E. <sup>then</sup> S. 60° W. and descend.
- 30.00 Cross Wash, 10 lks. wide, Course N. 80° 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 W. face, dug pits, 18 x 18 x 12 ins., M. and J. 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.
- 60.00 Top of Spur, bears E. <sup>then</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. 13, 18, 19<sup>th</sup> and 24, marked T. 20 N., S. 18, on N. E., R. 29 E., S. 19 on S. E., S. 24 on S. W. and S. 13 on N. W. face, 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 around post.

G. B. T. 20 N. R. 29 E. G. & S. R. M.

Chains.

from which

A Cedar 18 ins. diam. bears  $N. 27^{\circ} E.$ , 190 lks. dist.  
marked T. 207, R. 30 E., S., 18 B. T.

No other trees within limits.

Lana rolling.

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

Timber of Somb Cedar and Pine.

Vegetation of Bunchgrasses.



E. B. T. 20 N. R. 29 E. G. & S. R. M.

Chains.

+

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

Va. 14° 10' East.

Descend.

32.10 Cross Wash, 4 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 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.

44.70 Top of Ridge, bears E. <sup>40</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. 7, 12, 13 <sup>and</sup> 18, marked T. 20 N. S. 7, on N. E., R. 29 E., S. 18 on S. E., S. 13 on S. W. and S. 12 on N. W. faces, with 4 notch ~~60~~ on S. and 2 notch ~~20~~ 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.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of *Panicum* grass.

E. 13. T. 20 N. R. 29 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 7 <sup>and 12</sup>,Va.  $14^{\circ} 15'$  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.
- 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 <sup>and 12</sup>, marked T. 20 N., S. 6, on N. E., R. 29 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 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 3<sup>rd</sup> rate.

Timber of Bent Cedar and Pine.

Vegetation of Bunchgrass.

E. 13. T. 20 N. R. 29 E. G. & S. R. M.

Chains.

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

Descend.

26.00 Cross low Sag and ascend.

37.00 Top of Spur, bears N. E. and S. W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/4 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.

82.74 Intersect the 5th Standard Cor. North at a  
point 6.83 chs. West of the Standard Cor. to  
Tps. 21 N., R. 29 W. S. 01, which  
is a post, 4 1/2 ft. long, 4 ins. square, 24 ins. in the  
ground, for Standard Cor. to Tps. 21 N., R's 29 and  
30 marked T. 21 N. on N., R. 30 E. S. 01,  
on E. and R. 29 E. S. 36 on W. faces, with  
6 notches on N. E. & W. faces; from which

A Cedar 16 ins. diam. bears N. 67° E, 81 lks. dist.  
marked T. 21 N., R. 30 E., S. 01 B. T.

A Cedar 18 ins. diam. bears N. 59° W, 78 lks. dist.  
marked T. 21 N., R. 29 E., S. 36 B. T.

E. B. T. 20 N. R. 29 E. G. & S. R. M.

Chains.

A Cedar 20 ins. diam. bears  $\text{S. } 25^{\circ} \text{E.}$ , 65 lks. dist.  
marked T. 20 N., R. 30 E., S. 6 B. T. and

Set a post  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked  
stone 12 ins. in the ground, for Closing Cor. to

Tps. 20 N., R's 29 and 30 E., marked C. C.

T: 20 N. on  $\text{S.}$ , R. 30 E. S. 6, on

E. and R. 29 E. S. 1 on  $\text{W.}$  faces with 6

notches on  $\text{S.}$ ,  $\text{E.}$  &  $\text{W.}$  faces, dug pits, 24 x 18 x

12 ins, crosswise on each line,  $\text{S.}$ ,  $\text{E.}$  &  $\text{W.}$  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 2<sup>nd</sup> rate.

Timber of scrub Cedars

Vegetation of *Schubertgrass*.

October 14<sup>th</sup> 1882.



S. B. T. 19 N. R. 30 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 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. 18 & 19 N. Rs. 30 & 31 E.,

Which is a  $\frac{1}{2}$  acre 4 hrs sq. set  
firmly in a mound of  
earth marked -

T 19 N. S 31 on N.E.

R 31 E. S 6 on S.E.

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

R 30 E. S 36 on N.W. faces

- with 6 notches on each  
edge and with pits  $24 \times 18 \times 12$  ins.  
N. S.  
E & W of post 6 ft. dist  
lengthwise on each line

S. B. T. 19 N. R. 30 E. G. &amp; S. R. M.

Chains.

I run West. on a random line on S. B. of Tp.  
Va.  $14^{\circ} 15'$  East.

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

79.13 chs. I arrive at a point 123 lks. South of Cor. to Tps,  
*which was previously described before*  
18 & 19 N., Rs. 29 & 30 E., from which corner I run  
S.  $89^{\circ} 51' E.$  on a true line between sections 6 & 31.

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

Descend.

34.13 Cross Wash, 10 lks. wide, Course S. W. and ascend.

39.13 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., 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.

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

12 ins. in the ground, for Cor. to Secs. 5, 6, 31<sup>9a</sup> & 32,  
marked T. 19 N., S. 32, on N. E., R. 30 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.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

T. 19 N. R. 30 E. G. &amp; S. R. M.

Chains.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunch grass.

+

S. 89° 51' E on a true line between sections 5<sup>th</sup> and 32<sup>d</sup>.

Va. 14° 07' Ea.

Ascend.

- 7.85 Cross road to Hauck's Ranch, bears N. W. <sup>2</sup>/<sub>3</sub> S. E.
- 25.50 Top of Ridge, bears N. 55° W. <sup>2</sup>/<sub>3</sub> S. 55° E. and descend.
- 37.00 Cross Gulch, 10 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  $\frac{1}{4}$  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.
- 60.00 Top of Spur, bears N. E. <sup>2</sup>/<sub>3</sub> S. W. and descend.
- 70.50 Cross Gulch, 10 lks. wide, Course S. 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. 14, 5, 32<sup>nd</sup> 33,  
marked T. 19 N., S. 33, on N. E., R. 30 E., S. 14  
on S. E. <sup>6.18 21</sup> S. 5 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.,

S. B. T. 19 N. R. 30 E. G. & S. R. M.

Chains.

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

Land rolling. And mountainous.

Soil 3rd rate

Vegetation of Bunchgrass.

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

Va. 140° 07' East.

Ascend.

40.00

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

44.00

Top of Ridge, 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. 3, 4, 33 and 34, marked T. 19 N., S. 34, on N. E., R. 30 E., S. 3 on S. E. S. 4 on S. W. and S. 33 on N. W. face, with 3 notch 50 on W. and 3 notch 50 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.



S. B. T. 19 N. R. 30 E. G. &amp; S. R. M.

Chains.

Land rolling.

Soil 3<sup>rd</sup> rateVegetation of *Bunchgrass*.S. 89° 51' E. on a true line between sections 3<sup>rd</sup> and 34.

Va. 14° 07' East.

Descend.

34.00

Cross low Sag 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. 2, 3, 34<sup>th</sup> & 35<sup>th</sup>,  
 marked T. 19<sup>th</sup>, S. 30<sup>th</sup>, on N. E., R. 30 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.,  $5\frac{1}{2}$  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> rateVegetation of *Bunchgrass*.

S. 18. T. 19 N. R. 30 E. G. &amp; S. R. M.

ains.

S.  $89^{\circ} 51' 16''$  on a true line between sections 25 <sup>and</sup> 35.Va.  $14^{\circ} 07'$  East.

Ascend.

35.00 Top of Ridge, bears N. <sup>and</sup> S. 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.

8.50 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, 2, 35 <sup>and</sup> 36,  
marked T. 19 N., S. 36, on N. E., R. 30 E., S. 1  
on S. E. S. 2 on S. W. and S. 35 on N. W. face, <sup>S. 18 N.</sup>  
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 rolling.Soil 3 <sup>or</sup> rateVegetation of *Bunchgrass*.

S. B. T. 19 N. R. 30 E. G. &amp; S. R. M.

(Chains.

X

S. 89° 51' E. on a true line between sections / <sup>26</sup>

Va. 14° 07' East

Ascend.

6.50 Top of Ridge, bears N. 15° E. <sup>26</sup> S. 15° 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 The Cor. to Tps. 18 &amp; 19 N. Rs. 30 &amp; 31 E. \*

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

\* which is a post 4 ins  
sq. set firmly in a mound of earth  
marked S. 19° W. S. 31 on N. E. R. 31 E. S. 6 on S. E.,  
S. 18° W. S. 1 on S. W. + R. 30 E. S. 36 on  
N. W. faces with 6 notches on each  
edge and pits 24 x 18 x 12 ins. long there is  
on each line N. S. E. + W. of post 6 ft.  
dist - I run -

E. B. T. 19 N. R. 30 E. G. & S. R. M.

Chains,

From the Cor. to Secs. 18 + 19 U. R. 30 + 31 E.  
just described - 31<sup>4a</sup> 36.  
North on a true line between sections 31<sup>4a</sup> 36.

On 14° 15' East.

Descend.

15.00 Cross low Sag and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on W. face; from which

A Cedar 20 ins. diam. bears S. 38° E., 51 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

A Cedar 14 ins. diam. bears N. 18° W., 72 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

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

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,  
for Cor. to Secs. 25, 30, 31<sup>4a</sup> 36, marked T. 19 N.,

S. 30 on N. E., R. 31 E., S. 31 on S. E., S. 36 on  
S. W. and S. 35 on N. W. faces, with 1 notch on  
S. and 5 notches on A. edges; from which

A Cedar 22 ins. diam. bears N. 74° E., 19 lks. dist.  
marked T. 19 N., R. 30 E., S., 30 B. T.

A Cedar 20 ins. diam. bears S. 68° E., 74 lks. dist.  
marked T. 19 N., R. 30 E., S., 31 B. T.

A Cedar 22 ins. diam. bears S. 38° W., 11 lks. dist.  
marked T. 19 N., R. 29 E., S., 36 B. T.



E. B. T. 19 N. R. 30 E. G. &amp; S. R. M.

Chains.

A Cedar 14 ins. diam. bears  $N. 51^{\circ} W.$ , 82 lks. dist.

marked T. 19 N., R. 29 E., S., 25 B. T.

Land rolling.

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

Timber of Scrub cedar.

Vegetation of Bunchgrass.

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E. B. T. 19 N. R. 30 E. G. &amp; S. R. M.

## Chains.

North on a true line between sections 25 and 30.

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

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on W. face; from whichA Cedar 20 ins. diam. bears N.  $75^{\circ}$  E., 31 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.A Pine 4 ins. diam. bears S.  $85^{\circ}$  W., 17 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.76.42 Cross low Sag and ascend. and cross Juni and  
Navajo road, bears N.  $80^{\circ}$  E. and S.  $80^{\circ}$  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 and 30,  
marked T. 19 N., S. 19, on N. E., R. 31 E., S. 30  
on S. E. <sup>R. 30 E.</sup> S. 25 on S. W. and S. 24 on N. W. faces;  
with 2 notch  $\infty$  on S. and 4 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 Cedar 20 ins. diam. bears South 169 lks. dist.  
marked T. 19 N., R. 30 & 31 E., S. <sup>25 & 30</sup> B. T.

E. B. T. 19 N. R. 30 E. G. &amp; S. R. M.

Chains.

A Cedar 22 ins. diam. bears  $N. 56^{\circ} W.$ , 81 lks. dist.  
marked T. 19 N., R. 29 E., S., 24 B. T.

No other trees within limits.

Land rolling.

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

Timber of Verb Cedar.

Vegetation of Bunchgrass.

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North on a true line between sections 19 and 24.

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

Ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  S. on W. face; from which

A Pine 6 ins. diam. bears  $S. 45^{\circ} E.$ , 29 lks. dist.  
marked  $\frac{1}{4}$  S. B. T.

A Pine 4 ins. diam. bears  $N. 13^{\circ} W.$ , 54 lks. dist.  
marked  $\frac{1}{4}$  S. B. T.

51.50 Top of Ridge, bears  $N. 30^{\circ} W. \text{ } \& \text{ } S. 30^{\circ} E.$  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. 13, 18, 19 and 24,  
marked T. 19 N., S. 18, on N. E., R. 31 E., S. 19  
on S. E. <sup>R. 30 E.</sup> S. 24 on S. W. and S. 13 on N. W. faces,

E. B. T. 19 N. R. 30 E. G. & S. R. M.

Chains.

with 3 notch<sup>es</sup> on S. and 3 notch<sup>es</sup> on ~~W.~~ edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,  
and raised a mound of earth 2 ft. high, 4½ ft. base  
around post.

Land mountainous.

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

Timber of Scub Cedar.

Vegetation of Bunchgrass.

North on a true line between sections 18 <sup>and</sup> 18.

Va. 14° 15' East.

Descend.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 7, 12, 13 <sup>and</sup> 18,  
marked T. 19 ~~W.~~ S. 7, on N. E., R. 31 E., S. 18  
on S. E. <sup>P. 30 E.</sup> S. 13 on S. W. and S. 12 on N. W. face<sup>s</sup>;  
with 4 notch<sup>es</sup> on S. and 2 notch<sup>es</sup> on ~~W.~~ edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,  
and raised a mound of earth 2 ft. high, 4½ ft. base  
around post.



E. B. T. 19 N. R. 30 E. G. &amp; S. R. M.

Chains.

Land rolling.

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

Timber of Scum Cedar.

Vegetation of Bunchgrass.

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

Descend.

32.00

Cross low Sag and ascend.

40.00

Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on W. face; from whichA Pine 4 ins. diam. bears  $S. 86^{\circ} E.$ , 45 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.A Pine 6 ins. diam. bears  $N. 25^{\circ} W.$ , 15 lks. dist.  
marked  $\frac{1}{2}$  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. 1, 6, 7<sup>th</sup> & 12,  
marked T. 19<sup>th</sup>, S. 6, on N. E., R. 31<sup>st</sup> 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 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 posts.

Chains.

Land mountainous

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

Timber of Scrub Cedar.

Vegetation of Bunchgrass.

North on a true line between sections 1<sup>st</sup> and 6.

Va. 14° 15' East.

Descend.

- 1.10 Cross Gulch, 8 lks. wide, Course W. and ascend.
- 11.00 Bartagan's house, bears E., 25 lks. dist.
- 11.60 Bartagan's corral, bears E., 19 lks. dist.
- 20.00 Top of Ridge, bears N. E. and S. W. and descend.
- 33.00 Cross Gulch, 8 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  $\frac{1}{4}$  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.
- 71.00 Top of Ridge, bears E. & W. and descend.
- 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. 19 and 20 N., R's 30 and 31 E., marked T, 20 N., S. 31

Chains.

on N. E. R. 31 E. S. 6 or S. E. T. 19 N. S. 1 on S,  
W, and R, 30 E, S, 26 on NW, 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 3<sup>rd</sup> rate.

Timber of Gamb Cedar.

Vegetation of Bunchgrass,  
October 16<sup>th</sup> 1882.

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Chains.

Before proceeding further with the exteriors of this  
 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.

From the Cor. to Tps. 19 & 20 N., Rs. 30 & 31 E.,  
~~Just established -~~  
 I run West 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  
 78.20 chs. I arrive at a point 216 lks. South of Cor. to Tps,  
~~recently established by me~~  
 19 & 20 N., Rs. 29 & 30 E., from which corner I run  
 $S. 89^{\circ} 45' E.$  on a true line between sections 6 & 31.

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

Ascend.

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

38.20 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.

78.20 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. 30 E., S. 5  
 on N.  $19^{\circ}$  6 on S W and S. 31 on N W faces



N. B. T. 19 N. R. 30 E. G. & S. R. M.

Chains,

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.

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

Timber of Scrub Cedar.

Vegetation of Bunchgrass.



S. 89° 45' E. on a true line between sections 5 and 32.

Va. 14° 15' East.

Descend.

28.00 Cross Gulch, 6 lks. wide, Course S. E. and ascend.

32.00 Top of Ridge, bears N. 60° E. 40 S. 60° W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; from which

A Cedar 20 ins. diam. bears N. 24° E., 17 lks. dist. marked 1/4 S. B. T.

A Cedar 16 ins. diam. bears S. W. 24 lks. dist. marked 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. 4, 5, 32 and 33 marked T. 20 N. S. 33, on N. E. R. 30 E., S. 14

T. 19 N. R. 30 E. G. & S. R. M.

Chains.

on S. E. S. <sup>8.1971</sup> on S. W and S. <sup>32</sup> on N. W. faces,  
with 2 notches on ~~S~~ 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  
around post.

Land rolling.

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

Timber of <sup>Semb</sup> Cedar.

Vegetation of <sup>Bunch</sup> grass.



M. B. T. 19 N. R. 30 E. G. & S. R. M.

Chains.

S. 89° 40' E. on a true line between sections 4 <sup>and</sup> 33,

Va. 14° 15' East

Descend.

20.00 Cross Gulch, 8 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 W. 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.

59.00 Top of Ridge, 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. 3, 4, 33 <sup>and</sup> 34, marked T. 20 N. S. 34, on N. E., R. 30 E., S. 3 on S. E. <sup>S. 19 1/2</sup> S. 4 on S. W. and S. 33 on N. W. faces, with 3 notches on ~~N~~ 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 rolling.

Soil 3 m rate.

Timber of Pomb Cedar.

Vegetation of Bunchgrass.

## Chains.

S.  $59^{\circ} 40' E.$  on a true line between sections 3 and 34.

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

Descend.

17.10 Cross low Sag and ascend.

18.50 Enter Timber, E. and W.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on W. face; from which

A Cedar 12 ins. diam. bears North, 28 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

A Pine 18 ins. diam. bears S.  $42^{\circ} W.$ , 9 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,  
for Cor. to Secs. 2, 3, 34 and 35, marked T. 20 N,  
S. 35 on N. E., R. 30 E., 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; from which

A Pine 6 ins. diam. bears N.  $17^{\circ} 40' E.$ , 42 lks. dist.  
marked T. 20 N, R. 30 E., S. 35 B. T.

A Cedar 24 ins. diam. bears S.  $51^{\circ} 11' E.$ , 107 lks. dist.  
marked T. 19 N, R. 30 E., S. 2 B. T.

A Pine 8 ins. diam. bears S.  $46^{\circ} W.$ , 82 lks. dist.  
marked T. 19 N, R. 30 E., S. 3 B. T.



N. B. T. 19 N. R. 30 E. G. & S. R. M.

Chains.

A Pine 8 ins. diam. bears N. 18 1/2° W., 19 lks. dist.  
marked T. 20 N., R. 30 E., S., 04 B. T.

Land rolling.

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

Timber of Pine & Cedar.

Vegetation of Bluegrass.

S. 89° 45' E. on a line, bet. Secs. 3 & 30.

Ascend.

Cr. 14° 15' East.

40.00

Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for 1/2 Sec. Cor., marked 1/2 S. on N. face; from which

A Pine 10 ins. diam. bears N. 24° E., 81 lks. dist.  
marked 1/2 S. B. T.

A Pine 6 ins. diam. bears S. W. 16 lks. dist.  
marked 1/2 S. B. T.

63.00

Top of Ridge, bears N. 42° S. and descend.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,  
for Cor. to Secs. 1, 2, 35 & 36, marked T. 20 N.,  
S. 36 on N. E., R. 30 E., S. 1 on S. E., S. 2 on  
S. W. and S. 35 on N. W. faces, with 5 notch on  
N. and 1 notch on E. edges; from which

A Pine 6 ins. diam. bears N. 47 1/2° E., 91 lks. dist.  
marked T. 20 N., R. 30 E., S., 36 B. T.

M. B. T. 19 N. R. 30 E. G. & S. R. M.

Chains.

A Cedar 24 ins. diam. bears S. E., 30 lks. dist.  
marked T. 19 N., R. 30 E., S., 1 B. T.

A Cedar 20 ins. diam. bears S. 15° W., 11 lks. dist.  
marked T. 19 N., R. 30 E., S., 2 B. T.

A Pine 10 ins. diam. bears N. 80° W., 103 lks. dist.  
marked T. 20 N., R. 30 E., S., 35 B. T.

Land rolling.....

Soil 300 rate.

Timber of Pine and Cedar.

Vegetation of Brunchgrass.



N. B. T. 19 N. R. 20 E. G. & S. R. M.

Chains.

S. 89° 45' E. on a true line between sections 1 and 36.

Va. 14° 15' East

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. 30 & 31 E. from which I started - hand rolling.

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

Timber of Pine & Cedar

Vegetation of Beechgrass.

T. 19 N. R. 31 E. G. & S. R. M.

## Chains.

From the bore to the 19 + 20 N. R. 31 + 32 recently  
re-established by me - I run -  
East. on a true line between sections 6 and 31.

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

Ascend.

9.00 Top of Ridge, bears  $N. 50^{\circ} E. - S. 50^{\circ} W.$  and descend.

38.56 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on  $N$ , face; from which

A Pine 8 ins. diam. bears  $N. 10^{\circ} E.$ , 32 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

A Cedar 16 ins. diam. bears  $S. 27^{\circ} W.$ , 19 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

52.00 Cross Gulch, 8 lks. wide, Course  $S. 30^{\circ} W.$  and ascend

78.56 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 5, 6, 31 and 32,  
marked T. 20 N., S. 32, on N. E., R. 31 E., S. 5  
on S. E. S. 6 on S. W. and S. 31 on N. W. faces  
with / notch on  $N$  and 5 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.

from which

A Pine 4 ins. diam. bears  $S. 10^{\circ} E.$ , 47 lks. dist.  
marked T. 19 N., R. 31 E., S. 5 B. T.



N.B. T. 19 N. R. 31 E. G. & S. R. M.

Chains.

A Pine 8 ins. diam. bears S. 19° W, 142 lks. dist marked T. 19 N., R. 31 E., S., 6 B. T.

No other trees within limits.

Land rolling.

Soil 3 m rate.

Timber of Pine & Cedar.

Vegetation of Bunchgrass.

East. on a true line between sections 5 and 32.

Va. 14° 15' East.

Ascend.

12.00 Top of Ridge, bears N. 5 S. 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.

X 42.80 Cross Gulch, 6 lks. wide, Course S. and ascend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 4, 5, 32 & 33, marked T. 20 N., S. 33, on N. E., R. 31 E., S. 4 on S. E. S. 5 on S. W. and S. 32 on N. W. faces, with 2 notches on N. and 4 notches on E. edges;

M. B. T. 19 N. R. 31 E. G. & S. R. M.

Chains.

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 Pine and Cedar.

Vegetation of bunchgrass.

East. on a true line between sections 4 and 33,

Va. 14° 15' East.

Ascend.

32.00 Top of Ridge, bears N. 5 S. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on N. face; from which

A Pine 6 ins. diam. bears N. 10° W., 32 lks. dist. marked 1/2 S. B. T.

A Pine 6 ins. diam. bears S. 38° E., 41 lks. dist. marked 1/2 S. B. T.

30.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 3, 4, 33 and 34, marked T. 20 W.,

S. 34 on N. E., R. 31 E., S. 3 on S. E., S. 4 on

S. W. and S. 33 on N. W. faces, with 3 notch on

33 and 3 notch on E. edges; from which

M. B. T. 19 N. R. 31 E. G. &amp; S. R. M.

Chains.

A Cedar 16 ins. diam. bears N. 43° E., 57 lks. dist.

marked T. 20 N., R. 31 E., S., 34 B. T.

A Cedar 20 ins. diam. bears N. 84° E., 99 lks. dist.

marked T. 19 N., R. 31 E., S., 3 B. T.

A Cedar 24 ins. diam. bears N. 18° W., 27 lks. dist.

marked T. 20 N., R. 31 E., S., 23 B. T.

No other trees within limits.

Land rolling.

Soil 3 m rate.

Timber of Pine and Cedar.

Vegetation of Bunchgrasses.

N. 13. T. 19 N R. 31 E. G. & S. R. M.

Chains.

+

East. on a true line between sections 3<sup>rd</sup> and 34,  
Va.  $140^{\circ} 15'$  East.

Descend.

21.86 Intersect Boundary line between Arizona, and  
New Mexico. at a point which bears 22.25 chs. N.  
from the 133<sup>rd</sup> Mile post, which is a  
post, 5 ft. long, 6 ins. square, marked  
133 M. on N.; A on W. and N. M. on  
E. faces, set firmly in the ground; with  
pits 24 x 18 x 12 ins. N., S., E. and W. of  
post, 6 ft. dist, and a mound  
of earth, 2 1/2 ft. high, 4 1/2 ft.  
base around post, and  
Set a post 4 1/2 ft. long, 4 ins. square, with marked  
stone 12 ins. in the ground, for Closing Cor. to  
Tps. 19 & 20 N. R's 31 E. and marked C. C.  
R. 31 E. on W. R. 20 N., S. 34, on  
N. and R. 19 N. S. 3 on S. faces with 6  
notches on N., S. & W. faces, dug pits, 24 x 18 x  
12 ins, crosswise on each line, N. S. & W. of post, 6  
ft. dist, and raised a mound of earth 2 1/2 ft. high, 5  
ft. base, around post,



N. B. T. 19 N. R. 31 E. G. & S. R. M.

Chains.

from which

A Cedar 16 ins. diam. bears  $N. 14^{\circ} W.$ , 18 lks. dist.  
marked T. 20 N., R. 31 E., S., 34 B. T.

A Pine 8 ins. diam. bears  $N. 42^{\circ} W.$ , 87 lks. dist.  
marked T. 19 N., R. 31 E., S., 3 B. T.

No other trees within limits.

Land rolling.

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

Timber of Pine & Cedar

Vegetation of Bunchgrass.

October 17<sup>th</sup> 1882.

BOOK 1888 60

C. B. T. 20 N R. 30 E. G. & S. R. M.

Chains.

From the Cor. to Sec. 19 + 20 N. R. 30 + 31 E.  
recently established by me. I run  
North on a true line between sections 31 and 36.

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

Descend.

30.00 Cross Gulch, 6 lks. wide, Course N.E. 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  
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. 20 N, S. 30, on N. E., R. 31 E., S. 31

on S. E. S. 36 on S. W and S. 25 on N. W. faces,  
with 1 notch on S. and 5 notches on 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 3rd rate.

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

E. B. T. 20 N. R. 30 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25 and 30.

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

Ascend.

6.50

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. 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.

42.60

Cross Gulch, 6 lks. 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. 19, 24, 25 and 30, marked T. 20 N. S. 19, on N. E., R. 31 G., S. 30 on S. E. <sup>R. 30 G.</sup> S. 25 on S. W. and S. 24 on N. W. face, with 2 notch  $\rightarrow$  on S. and 4 notch  $\rightarrow$  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 3<sup>rd</sup> rate.

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

E. B. T. 20 N. R. 30 E. G. & S. R. M.

Chains.

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

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

Ascend.

- 24.00 Top of Ridge, bears E. r 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.
- 47.00 Cross Gulch, 8 lks. wide, Course S.  $20^{\circ}$  W, and ascend.
- 80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 13, 18, 19<sup>and</sup> 24, marked T. 20 N., S. 18 on N. E., R. 31 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; from which
  - A Cedar 18 ins. diam. bears N.  $89^{\circ}$  E, 45 lks. dist. marked T. 20 N., R. 31 E., S., 18 B. T.
  - A Cedar 24 ins. diam. bears S.  $52^{\circ}$  E., 94 lks. dist. marked T. 20 N., R. 31 E., S., 19 B. T.
  - A Pine 6 ins. diam. bears S.  $10^{\circ}$  W, 21 lks. dist. marked T. 20 N., R. 30 E., S., 24 B. T.
  - A Cedar 16 ins. diam. bears N.  $61^{\circ}$  W, 103 lks. dist. marked T. 20 N., R. 30 E., S., 13 B. T.



## Chains.

Land rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

North on a true line between sections 13 and 18.

Va.  $140^{\circ}15'$  East.

Ascend.

8.80 Top of Ridge, bears E. &amp; W. and descend.

35.60 Cross Gulch, 4 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  $\frac{1}{4}$  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.

64.00 Top of Ridge, bears E. &amp; W. and descend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
 12 ins. in the ground, for Cor. to Secs. 7, 12, 13 and 18,  
 marked T. 20 N. S. 7, on N. E., R. 51 E., S. 18  
 on S. E. S. 13 on S. W. and S. 12 on N. W. face,  
 with H notch  $\infty$  on S. and S 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.

E. B. T. 20 N R. 30 E. G. &amp; S. R. M.

Chains.

from which

A Pine 4 ins. diam. bears  $N. 54^{\circ} E.$ , 67 lks. dist.

marked T. 20 N., R. 31 E., S., 7 B. T.

A Pine 6 ins. diam. bears  $N. 36^{\circ} W.$ , 95 lks. dist.

marked T. 20 N., R. 30 E., S., 13 B. T.

No other trees within limits.

Land rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

E. B. T. 20 N. R. 30 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 7 and 12,

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

Descend.

2.20 Cross Gulch, 5 lks. wide, Course W. and ascend.

8.50 Top of Ridge, bears E. &amp; 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. 1, 6, 7 and 12;  
 marked T. 20N, S. 6, on N. E., R. 31 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 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 3<sup>rd</sup> rate.

Timber of Pine &amp; Cedar.

Vegetation of Banchnes.

E. B. T. 20 N. R. 30 E. G. & S. R. M.

Chains.

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

Descend.

- 40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on W. face; from which
  - A Cedar 14 ins. diam. bears S. 42° E., 98 lks. dist. marked 1/2 S. B. T.
  - A Cedar 20 ins. diam. bears N. 81° W., 13 lks. dist. marked 1/2 S. B. T.

83.50 Intersect the 5th Standard Parallel North at a point 10.15 chs. West of the Standard Cor. to Tps. 21 N., Rs. 30 & 31 E., which is a post 4 1/2 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Standard Cor. to Tps. 21 N., Rs. 30 and 31 E. marked S. C. T: 21 N. on N. R. 31 E. S. 31, on E. and R. 30 E. S. 36 on W. faces with 6 notches on N. E. & W. faces, <sup>with</sup> dug pits, 24 x 18 x 12 ins, crosswise on each line, N. E. - W. of post, 6 ft. dist, and raised a mound of earth 2 1/2 ft. high, 5 ft. base, around post, and



Chains.

X

Set a post  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Closing Cor. to Tps. 20 N., R's 30 and 31 E., marked C. C. T: 20 N. on S, R. 31 E. S. 6, on E. and R. 30 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. & 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 3<sup>rd</sup> rate.

Timber of Pine & Cedar

Vegetation of Bunchgrass.

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

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

Chains.

Before proceeding ~~farther~~ 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.

Standard  
From the Cor. to T<sup>ps</sup>. 21 N. Rs. 31 & 31 G.,  
recently established by me -  
I run,

North on a true line between sections 31 and 36.

Va. 14° 15' East.

Ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  S. on  
W. face, dug pits, 18 x 18 x 12 ins., N. and O' 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.

47.00 Enter Timber, from Co. & W.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 25, 30, 31 and 36,  
marked T. 21 1/4, S. 30 on N. E., R. 31 G., S. 31  
on S. E. S. 36 on S. W and S. 25 on N. W. faces;  
with 1 notch on S. and 5 notches on W. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 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. 21 N. R. 31 E. G. & S. R. M.

Chains.

From which

A Cedar 20 ins. diam. bears  $S. 53^{\circ} E.$ , 47 lks. dist.  
marked T. 21N, R. 31E., S., 31 B. T.

A Cedar 12 ins. diam. bears  $N. 27^{\circ} W.$ , 86 lks. dist.  
marked T. 21N, R. 30E., S., 25 B. T.

No other trees within limits.

Land rolling.

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

Timber of Sembr Cedar.

Vegetation of Bunchgrass.

Chains.

North on a true line between sections 25 and 30.

Va. 14° 18' East.

Ascend.

40.00<sup>x</sup>

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.

56.00

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

73.50

Cross Wash, 5 lks. wide, Course S. 60° 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. 19, 24, 25 and 30, marked T. 21 N., S. 19, on N. E., R. 31 E., S. 30 on S. E. <sup>R. 30 E.</sup> 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.,  $5\frac{1}{2}$  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 Sout Cedar.

Vegetation of Bunchgrass.



W. B. T. 21 N. R. 31 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 19<sup>2a</sup> & 24,Va.  $14^{\circ} 18'$  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.

47.00

Top of Ridge, bears N.  $70^{\circ} E.$ , r S.  $70^{\circ} W.$  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<sup>2a</sup> & 24,  
marked T. 21<sup>N.</sup>, S. 18 on N. E., R. 31 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 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 rolling.

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

Timber of Scrub Cedar.

Vegetation of Bunchgrass.

W. B. T. 21 N. R. 31 E. G. & S. R. M.

## Chains.

North on a true line between sections 13 and 18.

Va. 14° 18' 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.
- 46.50 Cross Wash, 4 lks. wide, Course N. E. and ascend.
- 77.00 Top of Spur, bears N. E. & 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, 13 and 18, marked T. 21<sup>N</sup>, S. 7, on N. E., R. 31 E., S. 18 on S. E. S. 13 on S. W. and S. 12 on N. W. faces, with 4 notches on S. and 2 notches on 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.

Timber of Scrub Cedar.

Vegetation of Branchgrass.

W. B. T. 21 N. R. 31 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 7 and 12.

Va.  $14^{\circ} 18'$  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.

50.00 Set a sand stone  $16 \times 8 \times 8$  ins. // ins. in  
the ground for Cor. to Secs. 1, 6, 7 and 12, marked  
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., and raised a  
mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside  
Land rolling.

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

Timber of Somb Cedar.

Vegetation of Bunchgrass.

N.B. T. 21 N. R. 31 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6.

Va.  $14^{\circ} 18'$  East.

Descend.

20.00 Galbadones' house, bears  $N. 72^{\circ} 20' E.$ , 6.30 chs. dist.

A Spring, bears  $N. 57^{\circ} 42' E.$ , 16.43 chs. dist.

22.90 Cross Wash, 100 lks. wide, Course  $N. 50^{\circ} S$  and ascend.

40.00 Set a sand stone  $12 \times 10 \times 10$  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

81.00 Set a sand stone  $14 \times 12 \times 9$  ins. 9 ins. in the ground, for Cor. to Tps. 21 and 23 N. R's 30 and 31 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

Lana rolling.

Soil ~~3rd~~ rate.

Timber of Somb Cedar.

X  
Vegetation of Bunchgrass.



M. B. T. 21 N. R. 31 E. G. &amp; S. R. M.

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 further tested instrument by reversing.

From the Cor. to Tps. 21 & 22 N. Rs. 30 & 31<sup>6</sup>,  
~~not established~~  
 Arun,

East. on a true line between sections 6<sup>2</sup> & 31.

Va.  $14^{\circ} 20'$  E

Ascend.

- 17.00 Top of Ridge, bears N. & S. 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.
- 42.00 Cross Gulch, 8 lks. wide, Course N. and ascend.
- 66.00 Top of Ridge, bears N. & 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. 31 E., S. 5 on S. E. S. 6 on S. W. and S. 31 on N. W. faces, with notch on N. and S. notch 20 on E. edges;

M. B. T. 21 N. R. 31 E. G. & S. R. M.

Chains.

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 300 rate

Vegetation of bunchgrass.

East. on a true line between sections 5 and 32.

Va. 14° 18' East.

Descend.

33.20 Cross Gulch, 8 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 1/4 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.

42.60 Top of Ridge, bears N. & S. and descend.

54.25 Cross Gulch, 4 lks. wide, Course S. and ascend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 4, 5, 32 & 33 marked T. 22 N., S. 33 on N. E., R. 31 E., S. 14 on S. E. S. 5 on S. W and S. 32 on N. W. face, with 2 notch on W and 4 notch on E. edges; dug pits 18 x 18 x 12 ins.

## M. B. T. 21 N. R. 31 E. G. &amp; 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 mountainous

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

Timber of *Yamb Cedar*.

Vegetation of *Bunchgrasses*.

East. on a true line between sections *H 33*.

Va. 140 18' East.

Ascend.

2.00 Top of Ridge, bears *N. r S.* and descend.

37.00 Cross Gulch, 5 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 ¼ Sec. Cor., marked ¼ S. on  
*N.* face, dug pits, 18 x 18 x 12 ins., *E.* and *W.* of  
post 5½ ft. dist., and raised a mound of earth 1½ ft.  
high, 3½ ft. base around post.

71.00 Top of Ridge, bears *N. r S.* and descend.

80.00 Set a *Sand stone* 16 x 10 x 8 ins. 11 ins. in  
the ground for Cor. to Secs. *3, 4, 33<sup>rd</sup> 34*, marked  
with 3 notches on *W* and 3 notches on *E.* edges, dug pits  
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a  
mound of earth 2 ft. high 4½ ft. base. alongside

U. B. T. 21 N. R. 31 E. G. & S. R. M.

Chains.

Land mountainous

Soil ~~good~~ rate.

Timber of Sembr Cedar.

Vegetation of Bunch grass.

East. on a true line between sections 3<sup>rd</sup> and 34.

Va. 14° 18' East.

Descend.

10.00 Cross Gulch, 8 lks. wide, Course S, and ascend.

10.70 Intersect Boundary line between Arizona. and  
New Mexico. at a point which bears 26.1 chs. North  
from the 121<sup>st</sup> Mile post, which is a

sandstone, 14 x 12 x 10 ins., set  
firmly in the ground, and marked  
121 M. on M.

A. on W. and

U. M. on E. faces; with pits  
24 x 18 x 12 ins. N., S., E. <sup>3/4</sup> W. of  
stone, 6 ft. dist., and a mound of  
earth, 2 ft. high, 5 ft. base  
along side, and



M. B. T. 21 N. R. 31 E. G. &amp; S. R. M.

## Chains.

Set a post  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Closing Cor. to Tps. 21-22 N., R's 31 E. and marked C. C. R. 31 E. on W. R. 22 N. S. 34, on N. and R. 21 N. S. 3 on S. faces with 6 notches on N. S. & W. faces, dug pits, 24 x 18 x 12 ins, crosswise on each line, N. S. & W. of post, 6 ft. dist, and raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft. base, around post,

Land mountainous

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

Timber of Pine & Cedar.

Vegetation of Bunchgrass.

October 19<sup>th</sup> 1882.

85

1880

W.B. T. 22 N. R. 31 E. G. & S. R. M.

Chains.

X From the Cor. to Tps. 21 & 22 N. Rs. 30 & 31 E,  
recently established by me -  
I run,

North on a true line between sections 31 and 36.

Va.  $14^{\circ} 20'$  East.

Ascend.

7.00 Top of Spur, bears E. and W. and descend.

40.00 Set a sandstone  $16 \times 10 \times 10$  ins., 11  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face, and raised a mound of stone. alongside Pits  
impracticable.

80.00 Set a sandstone  $18 \times 10 \times 10$  ins. 12 ins. in  
the ground for Cor. to Secs. 25, 30, 31 and 36, marked  
with 1 notch on S. and 5 notches on W edges and  
raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 2nd rate

Vegetation of Bunchgrass.

Timber of Scent Cedar.

W. B. T. 22 N. R. 31 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25<sup>th</sup> and 30.Va.  $14^{\circ} 20'$  East.

Descend.

40.00

Set a Sand stone  $16 \times 12 \times 8$  ins., 11 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, and raised a mound of stone. Alongside Pits impracticable.

65.00

Leave Timber, ~~beas~~ Co. on W.

80.00

Set a Sand stone  $30 \times 18 \times 9$  ins., 22 ins. in the ground for Cor. to Secs. 19, 24, 25<sup>th</sup> and 30, marked with 3 notches on S. and 4 notches on W. edges and raised a mound of stone. Alongside Pits impracticable. Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrass.

Timber of Semt Cedar.

W. B. T. 22 N. R. 21 E. G. & S. R. M.

Chains.

North on a true line between sections 19<sup>th</sup> & 24<sup>th</sup>,  
Va. 14° 20' East.

Descend.

- 40.00 Set a Sandstone 12 x 10 x 7 ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  $\frac{1}{4}$  W. face, and raised a mound of stone. alongside Pits impracticable.
- 43.40 Cross Road, bears,  $N. 80^{\circ} E.$  and  $S. 80^{\circ} W.$
- 65.15 Cross Rio Puerca, 50 lks. wide, Course S. W., and ascend.
- 80.00 Set a Sand stone 24 x 17 x 15 ins. 18 ins. in the ground for Cor. to Secs. 13, 15, 19<sup>th</sup> & 24, marked with 3 notches on S. and 3 notches on  $\frac{1}{4}$  edges and raised a mound of stone. alongside Pits impracticable. Land rolling.
- Soil 3<sup>rd</sup> rate  
Vegetation of Banah grass.



W. B. T. 22 N. R. 31 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 13 and 18.

Va.  $44^{\circ} 20'$  East.

Ascend.

28.78 A. P. R. R. near N.  $54^{\circ} 18' E.$  W.  $S. 54^{\circ} 18' W.$ 30.08 Telegraph line, near N.  $54^{\circ} 18' E.$  W.  $S. 54^{\circ} 18' W.$ 40.00 Set a sandstone  $12 \times 12 \times 8$  ins., 8 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W. face, and raised a mound of stone. alongside Pits impracticable.80.00 Set a sandstone  $16 \times 10 \times 5$  ins. 11 ins. in the ground for Cor. to Secs. 9, 12, 13 and 18, marked with 4 notches on S. and 2 notches on W. edges and raised a mound of stone. alongside Pits impracticable.  
Land rolling.Soil gr rate

Vegetation of bunchgrasses.

W. B. T. 22 N. R. 31 E. G. & S. R. M.

chains.

North on a true line between sections 7 <sup>and</sup> 12,  
Va. 14° 20' East.

Ascend.

- 15.00 Enter Timber, bears S. 30° E. <sup>and</sup> W.
- 40.00 Set a Sand stone 12 x 12 x 10 ins., 8  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face, and raised a mound of stone. alongside Pits  
impracticable.
- 42.50 Top of Spur, bears N. W. <sup>and</sup> S. E. and descend.
- 44.00 Cross Gulch, 5 lks. wide, Course S. E. and ascend.
- 80.00 Set a Sand stone 18 x 12 x 5 ins. 12 ins. in  
the ground for Cor. to Secs. 1, 6, 7 <sup>and</sup> 12, marked  
with 5 notches on S. and 1 notch on W. edges and  
raised a mound of stone. alongside Pits impracticable.  
Land rolling.
- Soil 3<sup>rd</sup> rate
- Vegetation *Bunchgrass*.
- Timber of *Pine* <sup>and</sup> *Cedar*.

## W. B. T. 22 N. R. 31 E. G. &amp; S. R. M.

## Chains.

North on a true line between sections 1 and 6.

Va.  $14^{\circ} 20'$  East.

Ascend.

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

40.00 Set a sand stone  $18 \times 14 \times 4$  ins., 12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W. face, and raised a mound of stone. alongside Pits impracticable.

40.15 Cross Wash, 10 fks. wide, Course S. E., and ascend.

80.00 Set a sand stone  $14 \times 10 \times 5$  ins. 9 ins. in the ground, for Cor. to Tps. 22 and 23 N., R's 30 and 31 E., marked with 6 notches on each edge, and raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of *Bunchgrass*.

Timber of *Pine & Cedar*.

N. B. T. 22 N. R. 31 E. G. & S. R. M.

Chains.

X

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 further tested instrument by reversing.

I took the latitude and found it to be 35° 18' N. From the Cor. to Tps. 22 & 23 N. Rs. 30 & 31 E, I run,

East. on a true line between sections 6 and 31.

Va. 140° 25' East.

Descend.

21.00 Cross Gulch, 25 lks. wide, Course South 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. from which

A Pine 8 ins. diam. bears N. 49° W., 14 lks. dist. marked 1/4 S. B. T.

No other trees within limits.

Top of Hill bears N. 24° S. and descend.

80.00 Set a Sand stone 18 x 12 x 10 ins. 12 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked



N. B. T. 22 N. R. 31 E. G. & S. R. M.

Chains.

with / notch on *N* and *S* notches on E. edges, dug pits  
18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a  
mound of earth 2 ft. high 4½ ft. base. alongside

from which

A Pine 8 ins. diam. bears *S. 40° W.*, 73 lks. dist.  
marked T. 22 N., R. 31 E., S., 6 B. T.

No other trees within limits.

Land rolling.

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

Vegetation of *Bunchgrass*

Timber of *Pine* and *Cedar*

## M. B. T. 22 N. R. 31 E. G. &amp; S. R. M.

## Chains.

East. on a true line between sections 5<sup>and</sup> 32.

Va. 14° 25' East.

Descend.

40.00 Set a sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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

70.00 Cross low Sag and ascend.

79.75 Top of Spur, bears N. <sup>and</sup> 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. 4, 5, 32<sup>and</sup> 33, marked T. 237<sup>11</sup>, S. 33, on N. E., R 31 E., S. 4 on S. E. S. 5 on S. W. and S. 32 on N. W. faces, with 2 notches on 3<sup>rd</sup> and 4<sup>th</sup> 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

Vegetation of Bunchgrass.

Timber of Pine and Cedar.

M. B. T. 22 N. R. 31 E. G. &amp; S. R. M.

Chains.

East. on a true line between sections 4<sup>th</sup> and 33.Va.  $14^{\circ} 25'$  East.

Descend.

- 30.00 Leave Timber, <sup>then</sup> enter Rio Puerca Valley.
- 33.25 Cross A. P. R. R. ditch, course N.  $30^{\circ} 10'$  E.
- 34.50 W. M. telegraph line, course N.  $32^{\circ} 00'$  E. <sup>and</sup> S.  $32^{\circ} 00'$  W.
- 35.98 A. P. R. R. bears N.  $32^{\circ} 00'$  E. <sup>and</sup> S.  $32^{\circ} 00'$  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 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.
- 59.90 Cross Rio Puerca, 200 lks. wide, course E. W.
- 74.20 Cross Road, bears, N. E. <sup>and</sup> 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. 3, 4, 33<sup>rd</sup> and 34, marked T. 23 N., S. 34, on N. E., R. 31 E., S. 3 on S. E. <sup>7.22 N.</sup> S. 4 on S. W. and S. 33 on N. W. faces, with 3 notch <sub>0</sub> on W. and 3 notch <sub>0</sub> 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.

M. B. T. 22 N. R. 31 E. G. & S. R. M.

Chains.

Land rolling. and level.

Soil 3<sup>rd</sup> rate

Vegetation of Bunchgrasses.

East. on a true line between sections 3<sup>rd</sup> and 34.

Var.  $14^{\circ} 25'$  East

Across Rio Puerca bottom land.

12.17 Intersect Boundary line between Arizona, and  
New Mexico. at a point which bears 25.5 chs. North  
from the 115<sup>th</sup> Mile post, which is a

sandstone, 20 x 18 x 6 ins., set firmly in  
the ground and marked

115 M. on M.

A. on W. and

U. M. on E. edges, with a  
stone mound, 2 $\frac{1}{2}$  ft. high,

5 ft. base along side, and  
Set a lava stone 20 x 15 x 9 ins. 15 ins. in the  
ground for Closing Cor. to Tps. 22 + 23 $\frac{1}{2}$ , R's 31 E,  
and .., marked C. C., with 6 notches on N. S. & W.

edges, dug pits 24 x 18 x 12 ins. crosswise on each line,

N., S. & W. of stone 6 ft. dist. and raised a mound of  
earth, 2 $\frac{1}{2}$  ft. high, 5 ft. base. alongside →



N. B. T. 22 N R. 31 E. G. &amp; S. R. M.

Chains.

*Land rolling.**Soil 3<sup>rd</sup> rate**Vegetation of Bunchgrasses,**October 20<sup>th</sup> 1882.*

W. B. T. 21 N. R. 30 E. G. & S. R. M.

+

Chains.

Before proceeding further with the exteriors of this Twp. I made a change of 10 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. 29 & 30 E.,  
recently established by me -  
I run,

North on a true line between sections 31 and 36.

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

Descend.

- 40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on W. face; from which  
A Pine 6 ins. diam. bears  $N. 14^{\circ} W.$ , 56 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.
- A Cedar  $\frac{1}{2}$  ins. diam. bears  $S. 13^{\circ} E.$ , 109 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.
- 80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 25, 30, 31 and 36, marked T. 21 N.,  
S. 30 on N. E., R. 30 E., S. 31 on S. E., S. 36 on  
S. W. and S. 25 on N. W. faces, with / notch on  
S and S notches on W edges; from which

W. B. T. 21 N R. 30 E. G. & S. R. M.

Chains.

A Cedar 18 ins. diam. bears  $S. 72^{\circ} E.$ , 11 lks. dist.  
marked T. 21 N, R. 30 E., S., 31 B. T.

A Pine, 4 ins. diam. bears  $S. 15^{\circ} W.$ , 84 lks. dist.  
marked T. 21 N, R. 29 E., S., 36 B. T.

A Cedar, 18 ins. diam. bears  $N. 43^{\circ} W.$ , 57 lks. dist.  
marked T. 21 N, R. 29 E., S., 25 B. T.

No other trees within limits.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation of Bunchgrass.

Timber of Pine and Cedar.

W. B. T. 21 N. R. 30 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25 <sup>and</sup> 30.Va.  $14^{\circ}18'$  East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on W. face; from whichA Cedar 14 ins. diam. bears  $\phi. 54^{\circ}E$ , 69 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.A Cedar 12 ins. diam. bears  $\phi. 82^{\circ}W$ , 37 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.74.00 Cross Trail, bears  $\phi. 6^{\circ}W$ .75.00 Cross Wash, 6 lks. wide, Course  $\phi. 50^{\circ}W$  and ascend.80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,  
for Cor. to Secs. 19, 24, 25 <sup>and</sup> 30, marked T. 21 <sup>N.</sup> ~~W.~~,  
S. 19 on N. E., R. 30 E., S. 30 on S. E., S. 25 onS. W. and S. 24 on N. W. faces, with 2 notches on  
S. and 4 notches on ~~W.~~ edges; from which  
A Cedar 14 ins. diam. bears  $N. 60^{\circ}E$ , 51 lks. dist.  
marked T. 21 <sup>N.</sup>, R. 30 E., S. 19 B. T.A Cedar 14 ins. diam. bears  $\phi. 40^{\circ}E$ , 13 lks. dist.  
marked T. 21 <sup>N.</sup>, R. 30 E., S. 30 B. T.A Cedar 10 ins. diam. bears  $\phi. 72^{\circ}W$ , 50 lks. dist.  
marked T. 21 <sup>N.</sup>, R. 29 E., S. 25 B. T.



W. B. T. 21 N. R. 30 E. G. &amp; S. R. M.

Chains.

A Cedar 16 ins. diam. bears  $N. 47^{\circ} W.$ , 40 lks. dist.  
marked T. 21 N., R. 29 E., S., 24 B. T.

Land hilly

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

Timber of Pine &amp; Cedar.

Vegetation of Bunchgrass.

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

Va.  $14^{\circ} 18'$  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 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.

76.30 Cross Trail, bears  $N. W.$  <sup>and</sup> 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. 13, 18, 19 <sup>and 24</sup>,  
marked T. 21 N., S. 18, on N. E., R. 30 E., S. 19  
<sup>R. 29 E.</sup>  
on S. E., S. 24 on S. W. and S. 13 on N. W. face,  
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.

101-  
W. B. T. 21 N. R. 30 E. G. & S. R. M.

Chains.

Land rolling.

Soil *300* rate.

Timber of *Pine & Cedar.*

Vegetation of *Bunchgrass.*

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North on a true line between sections *13 and 18,*  
Va. *140° 18'* 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.

*69.00* Top of Ridge, bears *E. in 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 *and 18,*  
marked T. 21 N. S. 7, on N. E., R. 30 E., S. 18  
on S. E. <sup>R. 29 E.</sup> S. 13 on S. W. and S. 12 on N. W. faces;  
with 4 notches on S. and 2 notches on W. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

Chains.

Land mountainous

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

Timber of Pine & Cedar.

Vegetation of Bunchgrasses.

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

Va. 14<sup>th</sup> 5' East.

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. 1, 6, 7<sup>th</sup> and 12, marked T. 21 N., S. 6, on N. E., R. 30 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 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.

W. B. T. 21 N. R. 30 E. G. & S. R. M. 5

Chains.

Land mountainous

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

Timber of Pine & Cedar.

Vegetation of Bunchgrass.

North on a true line between sections / <sup>Sec 6,</sup>

Va.  $14^{\circ} 18'$  East.

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  $\frac{1}{4}$  S. on W. face, dug pits, 18 x 18 x 12 ins., W. and of. 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. 21 and 22 N., R's 29 and 30 E., marked T, 22 N. S. 31 on N. E. R. 30 E. S: 4 on S. E. T. 21 N. S. 1 on S, W, and R, 29 E. S, 30 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. 21 N. R. 30 E. G. &amp; S. R. M.

Chains.

Land mountainous

Soil *30a* rate.

Timber of Pine &amp; Cedar.

Vegetation of Bunchgrass.

N. B. T. 21 N. R. 30 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. 21 & 22 N., Rs. 29 & 30 E.,  
~~just established~~  
 I run East. on a random line on N. B. of Tp.

Va.  $14^{\circ} 20'$  East.

I set temporary corners at every half mile, and at 5 miles 76.77 chs. I arrive at a point 59 lks. North of Cor. to Tps. 21 & 22 N., Rs. 30 & 31 E., <sup>recently established by me</sup> from which corner I run  $71.57^{\circ} 56' W.$  on a true line between sections 1 & 36.

Va.  $14^{\circ} 20'$  East.

Descend.

16.00 Cross Gulch, 8 lks. wide, Course S. W. and ascend.

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

40.00 Set a sand stone  $12 \times 12 \times 6$  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., 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

M. B. T. 21 N. R. 30 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, 35<sup>40</sup> 36,  
 marked T. 22<sup>41</sup> N. S. 36, on N. E., R. 30 E., S. 1  
 on S. E. S. 2<sup>21</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., 5½ ft. dist.,  
 and raised a mound of earth 2 ft. high, 4½ ft. base  
 around post.

Land mountainous

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

Timber of Pine and Cedar.

Vegetation of *Rumex*.

M. B. T. 21 N R. 30 E. G. &amp; S. R. M

Chains.

$71.87^{\circ} 56' W.$  on a true line between sections 2 <sup>and</sup> 35.

$Va. 14^{\circ} 18'$  East.

Descend.

4.00 Cross Wash, 100 lks. wide, Course  $S. 60^{\circ} W.$  and ascend.

40.00 Set a sand stone  $18 \times 12 \times 5$  ins., 12 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  $M$ . 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 post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 2, 3, 34 <sup>and</sup> 35, marked T. 22 <sup>N.</sup>, S. 35, on N. E., R. 30 <sup>E.</sup>, 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,  $18 \times 18 \times 12$  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 mountainous

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

Timber of Pine and Cedar.

Vegetation of Bluegrass.



M. B. T. 21 N. R. 30 E. G. & S. R. M.

Chains.

+

N. 89° 56' W, on a true line between sections 3<sup>rd</sup> & 34.

Va. 14° 18' East.

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.

64.00

Top of Ridge, bears N. 30° E. 20' & 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. 3, 4, 33<sup>rd</sup> & 34, marked T. 22 N., S. 34, on N. E., R. 30 E., S. 3 on S. E. S. 4 on S. W. and S. 33 on N. W. faces, with 3 notches on N. 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 mountainous

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

Timber of Pine & Cedar

Vegetation of Bunchgrasses.

M. B. T. 21 N. R. 30 E. G. & S. R. M.

Chains.

N. 89° 56' W. on a true line between sections 4<sup>Qua</sup> 33.  
Va. 14° 18' East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for 1/4 Sec. Cor., marked 1/4 S. on M. face; from which

A Cedar, 12 ins. diam. bears N. 18° E., 42 lbs. dist.  
marked 1/4 S. B. T.

A Cedar, 14 ins. diam. bears S. 24° W., 70 lbs. dist.  
marked 1/4 S. B. T.

72.30 Cross Wash, 10 lbs. wide, Course N. 70° W. and ascend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 4, 5, 32 & 33,  
marked T. 22 N., S. 33 on N. E., R. 30 E., S. 4  
on S. E. S. 5 on S. W. and S. 32 on N. W. faces;  
with 2 notches on W. and 4 notches on E. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.  
from which

A Cedar 16 ins. diam. bears S. 10° E., 57 lbs. dist.  
marked T. 21 N., R. 30 E., S., 4 B. T.

A Cedar 12 ins. diam. bears S. 21° W., 94 lbs. dist.  
marked T. 21 N., R. 30 E., S., 5 B. T.

M. B. T. 21 N. R. 30 E. G. &amp; S. R. M.

Chains.

No other trees within limits.

Land mountainous

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

Timber of Pine &amp; Cedar.

Vegetation of Bunchgrass.

N. 87° 56' W. on a true line between sections 5<sup>th</sup> & 32.

Va. 14° 18' East.

Ascend.

13.00 Top of Spur, bears N. W. <sup>on</sup> S. E. and descend.

31.00 Cross Wash, 15 lks. wide, Course N. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on N. face; from whichA Cedar 10 ins. diam. bears North, 11 lks. dist. marked  $\frac{1}{2}$  S. B. T.A Cedar 18 ins. diam. bears S. 27° W., 37 lks. dist. marked  $\frac{1}{2}$  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. 5, 6, 31 &amp; 32, marked T. 22 N, S. 32, on N. E., R. 30 E., S. 5 on S. E. S. 6 on S. W. and S. 31 on N. W. face, with 1 notch on W. and 5 notches on E. edges;

4/1.18. T. 21 N. R. 30 E. G. & S. R. M.

hains.

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 Pine 4 ins. diam. bears N.  $68^{\circ}$  E., 107 lks. dist.  
marked T. 22 N., R. 30 E., S., 32 B. T.

A Cedar 18 ins. diam. bears S.  $87^{\circ}$  E., 98 lks. dist.  
marked T. 21 N., R. 30 E., S., 5 B. T.

No other trees within limits.

Land mountainous

Soil good rate.

Timber of Pine and Cedar.

Vegetation of Bunchgrass.



N.B. T. 21 N R. 30 E. G. & S. R. M.

Chains.

N. 89° 56' W. on a true line between sections 6 and 31.

Va. 14° 18'

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. from which

A Cedar 2 1/2 ins. diam. bears S 60° W, 32 1/2 lks. dist. marked 1/4 S. B. T.

No other trees within limits.

72.00

Top of Ridge, bears N. W. 40 S. E. and descend.

78.97

The Cor. to Tps. 21 & 22 N. Rs. 29 & 30 E.

from which I started

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

Timber of Pine and cedar.

Vegetation of Bunchgrass.

October 23<sup>rd</sup> 1882.

W. B. T. 21 N R. 29 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 21. & 22 N, Rs. 29. & 30 E,  
recently established by me -  
I run West. on a random line on W. B. of Tp.

Va.  $14^{\circ} 20'$  East.

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

37.00 chs. I arrive at a point 118 lks. North of Cor. to Tps,  
recently established by me -  
21 & 22 N, Rs. 28 & 29 E, from which corner I run

$71.84^{\circ} 51' E.$  on a true line between sections 6 & 31.

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

Descend.

37.00 Set a sand stone  $15 \times 10 \times 8$  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., 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

77.00 Set a sand stone  $24 \times 12 \times 6$  ins. 18 ins. in  
the ground for Cor. to Secs. 5, 6, 31 & 32, marked  
with / notch on W. and 5 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.

Timber of scrub cedar.

Vegetation of Pine grass.

N. B. T. 21 N. R. 29 E. G. &amp; S. R. M.

Chains.

N. 89° 51' E. on a true line between sections 5<sup>th</sup> and 32.

Va. 14° 18' East.

Descend.

40.00

Set a

Sand stone 14 x 8 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

76.00

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

80.00

Set a

Sand stone 14 x 8 x 8 ins. 9 ins. in

the ground for Cor. to Secs. 4, 5, 32 <sup>and</sup> 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 $\frac{1}{2}$  ft. dist., and raised amound of earth 2 ft. high 4 $\frac{1}{2}$  ft. base. alongside

Land rolling.

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

Timber of Scrub cedar.

Vegetation of Dunegrass.

11.16. T. 21 N. R. 29 E. G. & S. R. M.

Chains.

X 11.89° 51' E. on a true line between sections 4 <sup>and</sup> 33,  
Va. 14° 18' East.

Descend.

12.70 Telegraph line, bears N. 40 1/4° E. <sup>and</sup> S. 40 1/4° W.  
14.00 A. & P. R. S. bears N. 40 1/4° E. <sup>and</sup> S. 40 1/4° W.  
26.00 across Rio Puerco, 90 fms. wide, Course S. W.

and ascend.

X 37.00 Enter cornfield, near N. E. <sup>and</sup> S. W.

42.00 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.

60.00 Washington station house, bears S. 1/2° W.  
10.76 chs. dist.

A Well, bears S. 7° E., 11.45 chs. dist.

62.70 Cross Road, bears N. <sup>and</sup> S.

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. 22 N., S. 34, on N. E., R. 29 E., S. 3  
on S. E., <sup>T. 21 N.</sup> S. 4 on S. W. and S. 33 on N. W. faces,  
with 3 notch <sub>10</sub> on W. and 3 notch <sub>10</sub> 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. 21 N. R. 29 E. G. & S. R. M.

Chains.

X

from which

A Cedar 9 ins. diam. bears N. 31° E, 115 lks. dist.  
marked T. 22 N, R. 29 E, S. 34. B. T.

A Cedar 7 ins. diam. bears S. 24° W, 82 lks. dist.  
marked T. 21 N, R. 29 E, S. 4 B. T.

No other trees within limits.

Lana rolling.

Soil 2nd rate.

Timber of Semt Cedar.

Vegetation of Bunchgrass.

N. B. T. 21 N R. 29 E. G. & S. R. M.

Chains.

N. 89° 57' E. on a true line between sections 34 and 35.

Val. 14° 18' East.

Ascend.

40.00

Set a Sandstone 14 x 8 x 4 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 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 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.,  $5\frac{1}{2}$  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.

Timber of Soft Cedar.

Vegetation of Bunchgrass.

N. 89° 57' E. on a true line between sections 21 & 35

Over rolling land.

Val. 14° 18'

East.

40.00

Set a Sandstone 10 x 10 x 5 ins., 10 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,

N. B. T. 21 N. R. 29 E. G. & S. R. M.

Chains.

80.00

3 1/2 ft. base. alongside  
 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. 22 N. S. 36, on N. E., R. 29 E., S. 1  
 on S. E. S. 2 on S. W. and S. 35 on N. W. faces,  
 with 5 notch  $\infty$  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 rolling.

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

Timber of Cedar.

Vegetation of Bunchgrass.

N. 89° 57' E. on a true line between sections 1 & 36,

Over rolling land.

Va. 14018

East.

25.00

Cross Trail, bears N. 5 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  
 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. 21 & 22 N. Rs. 29 & 30 E.  
 Land rolling.

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

Timber of Cedar.

Vegetation of Bunchgrass.

Scarcely examined my compass today  
 and found it correct. October 24<sup>th</sup> 1882.

W. B. T. 22 N R. 30 E. G. & S. R. M.

## Chains.

From the Cor. to Tps. 21 & 22 N. Rs. 29 & 30 E,  
recently established by me -  
I run,

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

Va.  $14^{\circ} 20'$  East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  S. on W. face; from which

A Cedar 22 ins. diam. bears  $S 65^{\circ} E$ , 104 lks. dist.  
marked  $\frac{1}{4}$  S. B. T.

A Cedar 16 ins. diam. bears  $N 87^{\circ} W$ , 97 lks. dist.  
marked  $\frac{1}{4}$  S. B. T.

73.00 Leave Timber, bears  $N 70^{\circ} W$  <sup>and</sup>  $S 70^{\circ} E$ .

72.65 Cross Road, bears,  $N 80^{\circ} W$  <sup>and</sup>  $S 80^{\circ} E$ ,

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 <sup>and</sup> 36,  
marked T. 22 N, S. 30 on N. E., R. 30 E., S. 31  
on S. E. <sup>R. 29 E.</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. 22 N. R. 30 E. G. &amp; S. R. M.

Chains.

Land rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

North on a true line between sections 25 and 30.

Va.  $14^{\circ} 20'$  East.

Descend.

18.00 Cross Rio Puerca, 100 lks. wide, Course  
 $N. 80^{\circ} W.$  and ascend.31.45 A. and P. S. R. beam  $N. 84^{\circ} 03' E.$  and  $S. 84^{\circ} 03' W.$ 32.65 Telegraph line, beam  $N. 84^{\circ} 03' E.$  and  $S. 84^{\circ} 03' W.$ 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.

45.00 Enter Timber, E. and W.

66.00 Top of Spur, bears  $N. E.$  and  $S. W.$  and descend.30.00 Set a sand stone 18 x 12 x 5 ins. 12 ins. in  
the ground for Cor. to Secs. 19, 24, 25 & 30, marked  
with S notch on S. and N notch on N. edges, dug pits  
18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a

W. B. T. 22 N. R. 30 E. G. & S. R. M.

Chains.

mound of earth 2 ft. high 4½ ft. base. alongside

Land rolling.

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

Timber of Pine & Cedar.

Vegetation of Bunchgrass.

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

Va. 140 20' East.

Descend.

4.00 Cross Wash, 4 lks. wide, Course S.W. and ascend.

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

58.00 Top of Spur, bears N. E. 90<sup>and</sup> S. W. and descend.

80.00 Set a sand stone 14 x 10 x 6 ins. 9 ins. in the ground for Cor. to Secs. 13, 18, 19<sup>and</sup> 24, marked with 3 notches on S. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside  
Land rolling.

Soil 3<sup>rd</sup> rate Timber of Pine & Cedar.

Vegetation of Bunchgrass

W. B. T. 22 N. R. 30 E. G. & S. R. M.

Chains.

North on a true line between sections 13 and 18.

Va. 14° 20' East.

Descend.

3.80 Cross Wash, 10 lks. wide, Course S 60° W, and ascend.

21.00 Top of Spur, bears N. 6° W of S. W. and descend.

39.70 Cross Wash, 6 lks. wide, Course S. W. and ascend.

40.00 Set a sand stone  $8 \times 8 \times 8$  ins., 5 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 from which  
 A Cedar 10 ins. diam. bears N. 74° E, 267 lks. dist.  
 + marked  $\frac{1}{2}$  S. B. T.

A Cedar 16 ins. diam. bears N. 83° W, 346 lks. dist.  
 marked  $\frac{1}{2}$  S. B. T.

70.00 Top of Spur, bears N. 30° E. W of S. 30° W, and descend.

80.00 Set a sand stone  $12 \times 10 \times 6$  ins. 8 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18, marked with a notch on S. and 2 notch on N. edges, from which

A Cedar 20 ins. diam. bears N. 33° E, 83 lks. dist.  
 marked S. 22 N, R. 30 E, C. 7 S. T.

W. B. T. 22 N. R. 30 E. G. &amp; S. R. M.

Chains.

A Pine 4 ins. diam. bears  $\text{S. } 10^{\circ} \text{ E.}$ , 103 lbs. dist.

marked T. 22N, R. 30 E., S., 18 B. T.

A Pine 6 ins. diam. bears  $\text{S. } 47^{\circ} \text{ W.}$ , 99 lbs. dist.

marked T. 22N, R. 29 E., S., 13 B. T.

A Cedar 20 ins. diam. bears  $\text{N. } 55^{\circ} \text{ W.}$ , 94 lbs. dist.

marked T. 22N, R. 29 E., S., 12 B. T.

Land hilly

Soil 3m rate.

Timber of Pine &amp; Cedar.

Vegetation of Bunchgrass.



W. B. T. 22 N. R. 30 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 7 and 12.

Va.  $14^{\circ} 20'$  East.

Descend.

*Distance*7.00 Cross Creek, 400 lks. wide, Course  $S. 30^{\circ} W.$  and ascend.35.00 Top of Spur, bears  $E. \text{ and } W.$  and descend.40.00 Set a Sand stone  $20 \times 12 \times 4$  ins., 15 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on  $W.$  face, and raised a mound of stone. alongside Pits impracticable.41.50 *Distance* Cross Creek, 300 lks. wide, Course  $S. E.$  and ascend.71.00 Top of Spur, bears  $N. E. \text{ and } S. W.$  and descend.80.00 Set a Sand stone  $24 \times 12 \times 6$  ins. 18 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notch on S. and 1 notch on  $N.$  edges and raised a mound of stone. alongside Pits impracticable. from whichA Cedar 16 ins. diam. bears  $N. 77^{\circ} E.$ , 38 lks. dist. marked T. 22 N. R. 30 E., S., 6 B. T.A Cedar 24 ins. diam. bears  $S. 17^{\circ} E.$ , 136 lks. dist. marked T. 22 N. R. 30 E., S., 7 B. T.A Cedar 18 ins. diam. bears  $S. 46^{\circ} W.$ , 94 lks. dist. marked T. 22 N. R. 29 E., S., 12 B. T.

W. B. T. 22 N. R. 30 E. G. & S. R. M.

Chains.

A Cedar 20 ins. diam. bears  $N. 63^{\circ} W.$ , 57 lks. dist.  
marked T. 22  $N.$ , R. 29  $E.$ , S., / B. T.

Land rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

North on a true line between sections 1 and 6.

$Va. 14^{\circ} 20'$  East.

Descend.

- 1.50 <sup>Defiance</sup> Cross Creek, 200 lks. wide, Course  $S. 30^{\circ} W.$
- 38.00 Cross Canon, 80 lks. wide, Course  $N. 80^{\circ} E.$  and ascend.
- 40.00 Set a sandstone  $10 \times 10 \times 6$  ins., 7 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 Top of Spur, bears  $E.$  and  $W.$  and descend.
- 75.40 Cross Gulch, 10 lks. wide, Course East and ascend.
- 80.00 Set a sandstone  $12 \times 10 \times 10$  ins. 8 ins. in the ground, for Cor. to Tps. 22 and 23  $N.$ , R's 29 and 30  $E.$ , marked with 6 notches on each edge, dug pits,  $24 \times 18 \times 12$  ins. lengthwise on each line, N. S. E. and W.

W. 18. T. 22 N. R. 30 E. G. &amp; S. R. M.

Chains.

of stone, 6 ft. dist., and raised a mound of earth  $2\frac{1}{2}$  ft.  
high, 5 ft. base. alongside

Land rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

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M. B. T. 22 N. R. 30 E. G. & 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.

From the Cor. to Tps. 22 & 23 N, Rs. 29 & 30 E,  
recently established by me  
I run East. on a random line on M. B. of Tp.

Va.  $14^{\circ} 20'$  East.

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

76.75 chs. I arrive at a point 146 lks. South of Cor. to Tps,  
recently established by me  
22 & 23 N, Rs. 30 & 31 E, from which corner I run  
 $S. 89^{\circ} 50' W.$  on a true line between sections 1 & 36,

Va.  $14^{\circ} 25'$  East.

Ascend.

7.00 Top of Ridge, bears N.  $20^{\circ} W.$   $\frac{1}{2}$  S.  $20^{\circ} E.$  and descend.

22.80 Cross Gulch, 12 lks. wide, Course S. and ascend.

40.00 Set a sand stone  $10 \times 10 \times 8$  ins., 7 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

43.00 Top of Ridge, bears N.  $\frac{1}{2}$  S. and descend.



N. B. T. 22 N. R. 30 E. G. & S. R. M.

Chains.

69.60 Cross Gulch, 30 lks. wide, Course South and ascend.

80.00 Set a Sandstone  $16 \times 12 \times 5$  ins. // ins. in the ground for Cor. to Secs. 1, 2, 35<sup>th</sup> & 36, marked with 5 notches on W. and 1 notch 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 mountainous

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

Timber of Pine & Cedar.

Vegetation of Bunchgrass.

M. B. T. 22 N R. 30 E. G. & S. R. M.

Chains.

S. 89° 50' W on a true line between sections 2 <sup>and</sup> 35.  
Va. 14° 20' East.

Ascend.

40.00 Set a Sand stone 10 x 12 x 5 ins., 11 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. 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*

55.00 Top of Ridge, bears N. 10° E. <sup>and</sup> S. 10° W. and descend.

72.00 Cross Gulch, 40 lks. wide, Course S. 16° W. and ascend.

80.00 Set a Sand stone 20 x 12 x 6 ins. 10 ins. in the ground for Cor. to Secs. 2, 3, 34 <sup>and</sup> 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 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base, <sup>alongside</sup> on Top of Spur, bears N. 10° E. <sup>and</sup> S. 10° W.

Land mountainous

Soil *good* rate.

Timber of Pine <sup>and</sup> cedar.

Vegetation of Bunchgrass.

M. B. T. 22 N. R. 30 E. G. &amp; S. R. M.

Chains,

S. 89° 52' W. on a true line between sections 3 and 34.

Va. 1/4° 20' East.

Descend.

- 11.90 Cross Wash, 20 lks. wide, Course S. 10° W. and ascend.
- 24.00 Top of Ridge, bears N. 10° E. and S. 10° W. and descend.
- 34.60 Cross Wash, 40 lks. wide, Course S. 20° W. and ascend.
- 40.00 Set a sand stone 24 x 12 x 5 ins., 18 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. 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 from which
- A Cedar 14 ins. diam. bears North, 20 lks. dist. marked 1/2 S. B. T.
- A Cedar 14 ins. diam. bears S. 12° E., 37 lks. dist. marked 1/2 S. B. T.
- 56.00 Top of Ridge, bears N. E. and S. W. and descend.
- 68.00 Cross Gulch, 20 lks. wide, Course S. W. and ascend.
- 78.00 Top of Spur, bears N. E. and S. W. and descend.
- 80.00 Set a sand stone 26 x 20 x 6 ins., 27 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34 marked with 3 notches on W. and 3 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

M. B. T. 22 N. R. 30 E. G. &amp; S. R. M.

Chains.

Land mountainous

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

S. 89° 50' W. on a true line between sections 4<sup>th</sup> and 32<sup>nd</sup>,

Va. 14° 20' East.

Descend.

- 40.00 Set a Sand stone 12 x 12 x 8 ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, and raised a mound of stone. alongside Pits impracticable.
- 78.00 Cross Wash, 16 lks. wide, Course S. 20° W. and ascend.
- 80.00 Set a Sand stone 20 x 12 x 6 ins. 15 ins. in the ground for Cor. to Secs. 4, 5, 32<sup>nd</sup> and 33, marked with 2 notch 50 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 mountainous  
Soil 3<sup>rd</sup> rate.  
Timber of Pine and Cedar.  
Vegetation of Bunchgrass
-



N. B. T. 22 N. R. 31 E. G. &amp; S. R. M.

Chains.

S. 89° 50' W. on a true line between sections 5<sup>th</sup> and 32.

Va. 14° 20' East.

Ascend.

- 9.80 Top of Spur, bears N. <sup>40</sup> S. and descend.
- 40.00 Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on ~~N~~ face, and raised a mound of stone. alongside Pits impracticable.
- 44.30 Cross Wash, 8 fks. wide. Course South and ascend.
- 71.00 Top of Spur, bears N. 20° E. <sup>40</sup> S. 20° W. and descend.
- 80.00 Set a Sand stone 18 x 12 x 4 ins. 12 ins. in the ground for Cor. to Secs. 5, 6, 31<sup>th</sup> and 32, marked with 1 notch on ~~N~~ and 5 notches on E. edges and raised a mound of stone. alongside Pits impracticable.
- Land mountainous
- Soil 3<sup>rd</sup> rate.
- Timber of Pine <sup>and</sup> Cedar.
- Vegetation of Bunchgrass.

M. B. T. 22 N. R. 30 E. G. &amp; S. R. M.

chains.

S. 87° 50' W on a true line between sections 6 and 31.

Va. 14° 20' East.

Descend.

*Refiance*

30.75 Cross Creek, 100 lks. wide, Course South and ascend.

40.00 Set a Sand stone 16 x 12 x 10 ins., 11  
ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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

78.75 The Cor. to Tps. 22 & 23 N. Rs. 29 & 30 E.  
from which I started  
Land rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

October 25<sup>th</sup> 1882.

N. B. T. 22 N R. 29 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 22 & 23 N, Rs. 29 & 30 E,  
recently established by me  
I run West on a random line on N. B. of Tp.

Va. 14° 30' East.

I set temporary corners at every half mile, and at 5 miles  
79.12 chs. I arrive at a point 44 lks. North of Cor. to Tps,  
recently established by me  
22 & 23 N, Rs. 28 & 29 E, from which corner I run  
N. 89° 57' E, on a true line between sections 6 & 31.

Va. 14° 20' East.

Descend.

89.12 Set a sandstone 16 x 10 x 6 ins., 11  
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face,

from which

A Cedar 10 ins. diam. bears N. 17° E, 47 lks. dist.  
marked 1/4 S. B. T.

A Cedar 20 ins. diam. bears S. 69° E, 111 lks. dist.  
marked 1/4 S. B. T.

48.82 Cross Wash, 12 lks. wide, Course S. 10° W and ascend.

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

N. B. T. 22 N. R. 29 E. G. & S. R. M.

chains.

from which

A Pine 6 ins. diam. bears N. 29° E., 107 lks. dist.

marked T. 22 N., R. 29 E., S., 32 B. T.

A Pine 6 ins. diam. bears S. 87° E., 116 lks. dist.

marked T. 22 N., R. 29 E., S., 5 B. T.

A Pine 4 ins. diam. bears S. 60° W., 91 lks. dist.

marked T. 22 N., R. 29 E., S., 6 B. T.

No other trees within limits.

Land mountainous

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

Timber of Scrub cedar.

Vegetation of bunch grass.



N. B. T. 22 N R. 29 E. G. & S. R. M.

## Chains.

N. 89° 57' E. on a true line between sections 5<sup>and</sup> 33.

Va. 14° 20' East.

Ascend.

12.00 Top of Ridge, bears N. <sup>and</sup> S. and descend.

34.70 Cross Wash, 5 lks. wide, Course S. and ascend.

40.00 Set a sand stone 14 x 10 x 5 ins., 9 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on N. face, and raised a mound of stone. alongside Pits impracticable.

from which

A Pine 4 ins. diam. bears S. 24° E., 117 lks. dist. marked  $\frac{1}{2}$  S. B. T.

No other trees within limits.

41.40 Top of Ridge, bears N. <sup>and</sup> 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. 4, 5, 32<sup>and</sup> 33 marked T. 23 $\frac{1}{2}$ , S. 33 on N. E., R 29 E., S. 4 on S. E. S. <sup>S. 22 $\frac{1}{2}$</sup>  on S. W and S. 32 on N. W. faces, with 2 notch<sup>es</sup> on W. and 4 notch<sup>es</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.

N. B. T. 22 N R. 29 E. G. &amp; S. R. M.

Chains.

Land mountainous

Soil *3<sup>rd</sup>* rate.Timber of *Semb Cedar.*Vegetation of *Bunchgrass.*

+

N.  $89^{\circ} 57' E.$  on a true line between sections *H* and *33.*Va.  $14^{\circ} 20'$  East.

Descend.

8.00 Cross Wash, 10 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  $\frac{1}{4}$  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 post52.00 Top of Ridge, bears *N. and S.* and descend.

75.00 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. *3, 4, 33 & 34,*marked *T. 23N, S. 34, on N. E., R. 29 E., S. 3*on *S. E., S. 4* on *S. W* and *S. 33* on *N. W.* faces,with  $\frac{3}{4}$  notch  $\infty$  on *N.* and  $\frac{3}{4}$  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.

U. B. T. 22 N. R. 29 E. G. & S. R. M.

Chains.

Land mountainous

Soil *3m* rate.

Timber of *Semb Cedar.*

*Vegetation of Banuchgrass.*

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

*Va. 14° 20' East.*

*Ascend.*

18.00 *Top of Ridge, bears N. 20° N. <sup>and</sup> S. 30° 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.*

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</sup> 35, marked T. 23 N, S. 35, on N. E., R. 29 E., S. 2 on S. E. <sup>S. 3</sup> on S. W. and S. 34 on N. W. faces, with 4 notches on N. and 2 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.*

*from which*

71.18. T. 22 N R. 29 E. G. & S. R. M.

## Chains.

A Cedar 16 ins. diam. bears  $N. 16^{\circ} E.$ , 35 lks. dist.  
marked T. 232, R. 29E, S., 35 B. T.

A Cedar 20 ins. diam. bears  $S. 55^{\circ} E.$ , 98 lks. dist.  
marked T. 227, R. 29E, S., 2 B. T.

A Cedar 18 ins. diam. bears  $N. 47^{\circ} W.$ , 57 lks. dist.  
marked T. 237, R. 29E, S., 33 B. T.

No other trees within limits.

Land mountainous

Soil ~~370~~ rate.

Timber of scrub cedar.

Vegetation of bunchgrass.



N. B. T. 22 N. R. 29 E. G. & S. R. M.

Chains.

N. 89° 57' E. on a true line between sections 21<sup>and</sup> 35.

Va. 14° 20' East.

Descend.

40.00 Set a sandstone 18 x 10 x 6 ins., 12 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 from which  
A Cedar 12 ins. diam. bears N. 27° E, 84 lks. dist. marked  $\frac{1}{4}$  S. B. T.

No other trees within limits.

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

76.00 Top of Spur, bears N. W. and S. E. and descend.

80.00 Set a sandstone 18 x 16 x 6 ins., 12 ins. in the ground for Cor. to Secs. 1, 2, 35<sup>and</sup> 36, marked with 5 notches on N. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land mountainous

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

Timber of scrub cedar.

Vegetation of bunchgrasses.

N. B. T. 22 N R. 29 E. G. & S. R. M.

Chains.

N. 89° 57' E, on a true line between sections 1 & 36,

Va. 110° 20' East.

Descend.

10.00 Cross Wash, 12 lks. wide, Course S. 60° E. and ascend.

16.60 Top of Spur, bears N. 60° W. 40 S. 60° E. and descend.

26.00 Cross Gulch, 10 lks. wide, Course S. E. and ascend.

40.00 Set a sand stone 30 x 12 x 4 ins., 15  
ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  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

48.00 Top of Spur, bears N. W. 40 S. E. and descend.

80.00 The Cor. to Tps. 22 & 23 N. Rs. 29 & 30 E,  
from which I started  
land mountainous

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

Timber of Scomb cedar.

Vegetation of bunchgrasses.

I carefully examined my  
Compass today and found it to  
be correct.

October 26<sup>th</sup> 1882.

W. B. T. 21 N. R. 28 E. G. & S. R. M.

Chains.

Before proceeding further with the exteriors of this Tps., I made a change of 10 minutes in the latitude arc of my solar compass by ~~subtracting~~ 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 <sup>Standard</sup> Cor. to Tps. 21 N. Rs. 27 & 28 E,  
I run, ~~recently relabeled by me~~

North on a true line between sections 31 <sup>and</sup> 36  
Va. 14° 15' East.

↑ Ascend.

8.00 Top of Ridge, bears E. <sup>90°</sup> W. and descend.

40.00 Set a sand stone 11 x 10 x 6 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., M. 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 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 25, 30, 31 <sup>and</sup> 36, marked with 1 notch on S. and 5 notch <sup>on</sup> 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

W. B. T. 21 N. R. 28 E. G. &amp; S. R. M.

Chains.

Land rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

Watts on a true line between sections 25 <sup>and</sup> 30.Va.  $14^{\circ} 29'$  East.

Descend.

23.70 Cross Rio Puerca, course S.  $70^{\circ}$  W.38.90 Cross A. P. R. R. beam N.  $70^{\circ}$  E. <sup>and</sup> S.  $70^{\circ}$  W.

40.00 Set a sand stone  $14 \times 8 \times 8$  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

80.00 Set a sand stone  $15 \times 12 \times 10$  ins. 10 ins. in the ground for Cor. to Secs. 19, 24, 25 <sup>and</sup> 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 3<sup>rd</sup> rate.

Timber of Pine and Cedar.

Vegetation of Bunchgrass.



W. B. T. 21 N. R. 28 E. G. &amp; S. R. M.

## Chains.

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

Va. 14° 30' East.

Ascend.

35.00 Top of Ridge, bears E. <sup>and</sup> W. and descend.40.00 Set a sand stone 17 x 16 x 8 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., 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. alongside80.00 Set a sand stone 15 x 14 x 10 ins. 10 ins. in the ground for Cor. to Secs. 13, 18, 19 <sup>and</sup> 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside from whichA Juniper 15 ins. diam. bears N.  $21\frac{1}{2}^{\circ}$  E., 113 lks. dist. marked T. 21 N., R. 28 E., S., 18 B. T.A Juniper 12 ins. diam. bears S.  $38\frac{1}{2}^{\circ}$  E., 207 lks. dist. marked T. 21 N., R. 28 E., S., 19 B. T.A Juniper 12 ins. diam. bears S.  $13^{\circ}$  W., 308 lks. dist. marked T. 21 N., R. 27 E., S., 24 B. T.A Juniper 6 ins. diam. bears N.  $56\frac{1}{2}^{\circ}$  W., 197 lks. dist. marked T. 21 N., R. 27 E., S., 13 B. T.

W. B. T. 21 N R. 28 E. G. &amp; S. R. M.

Chains.

Land rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunch grass.

North on a true line between sections 13<sup>and</sup> 18.Va.  $14^{\circ} 30'$  East.

Descend.

40.00

Set a sand stone  $18 \times 8 \times 8$  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

51.00

Cross Gulch, 8 lks. wide, Course West and ascend.

80.00

Set a sand stone  $14 \times 12 \times 10$  ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 13<sup>and</sup> 18, 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 3<sup>rd</sup> rate.

Timber of Pine and Cedar.

Vegetation of Bunch grass.

W. B. T. 21 N. R. 28 E. G. & S. R. M.

## Chains.

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

Va. 140 31' East.

Ascend.

- 12.00 Top of Ridge, bears E. <sup>2</sup>/<sub>4</sub> W. and descend.
- 40.00 Set a Sand stone 20 x 14 x 9 ins., 10 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.
- 51.00 Cross Gulch, 8 lks. wide, Course West and ascend.
- 66.00 Top of Ridge, bears E. <sup>2</sup>/<sub>4</sub> W. and descend.
- 72.00 Cross Gulch, 10 lks. wide, Course West and ascend.
- 79.50 Top of Ridge, bears E. <sup>2</sup>/<sub>4</sub> W. and descend.
- 80.00 Set a Sand stone 10 x 14 x 12 ins. 10 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  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 Pine and Cedar.
- Vegetation of Bunchgrasses.

W. B. T. 21 N. R. 28 E. G. & S. R. M.

Chains.

North on a true line between sections 1 <sup>and</sup> 6.  
Va. 14° 31' East.

Descend.

11. 30 Cross Gulch, 14 lks. wide, Course West and ascend.

31. 00 Top of Ridge, bears E. <sup>and</sup> W. and descend.

40. 00 Set a sand stone 10 x 8 x 8 ins., 7 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

80. 00 Set a sand stone 27 x 10 x 6 ins. 19 ins. in the ground, for Cor. to Tps. 21 and 22 N. R's 27 and 28 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 Pine & Oak.

Vegetation of Bunchgrass.

October 27<sup>th</sup> 1882.



N. B. T. 21 N. R. 28 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. 21 & 22 N., Rs. 27 & 28 E.,  
~~just established~~  
 run East. on a random line on N. B. of Tp.

Va.  $14^{\circ} 22'$  East.

I set temporary corners at every half mile, and at 5 miles  
 79.00 chs. I arrive at a point 77 lks. North of Cor. to Tps,  
~~recently established by me.~~  
 21 & 22 N., Rs. 28 & 29 E., from which corner I run  
 $N. 89^{\circ} 53' W.$  on a true line between sections 1 & 36.

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

Ascend.

30.00 Top of Ridge, bears  $N. 10^{\circ} E.$ , <sup>then</sup>  $S. 10^{\circ} W.$  and descend.

40.00 Set a sandstone  $12 \times 9 \times 6$  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., 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

64.50 Cross low Sag and ascend.

74.00 Top of Ridge, bears  $N. 12^{\circ} E.$ , <sup>then</sup>  $S. 12^{\circ} W.$  and descend.

M. B. T. 21 N. R. 28 E. G. &amp; 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, 35<sup>th</sup> 86,  
 marked T. 22<sup>th</sup>, S. 86, on N. E., R. 286, S. 1  
 on S. E. S. 2 on S. W. and S. 35 on N. W. faces,  
 with 5 notches on W. and 1 notch on E. edges;  
 dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,  
 and raised a mound of earth 2 ft. high, 4½ ft. base  
 around post.

Land rolling.

Soil ~~30c~~ rate.

Timber of Pine and Cedar.

Vegetation of Bushclover.

## M. B. T. 21 N. R. 24 E. G. &amp; S. R. M.

Chains.

N. 59° 53' W. on a true line between sections 20 and 25.

Va. 140° 22' East.

Descend.

22.50

Cross low Sag and ascend.

25.50

Top of Ridge, bears N. 20° E. and S. 20° 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., 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 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. 2, 3, 34 and 35,  
marked T. 22 N., S. 35, on N. E., R. 28 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.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

Land mountainous and rolling.

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

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

M. B. T. 21 N R. 28 E. G. &amp; S. R. M.

## Chains.

N. 89° 53' W, on a true line between sections 3<sup>rd</sup> and 34,

Va. 14 22' 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.

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>rd</sup> and 34,  
marked T. 22 N. S. 34, on N. E., R. 28 E., S. 3  
on S. E., S. <sup>N. 21' W.</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 $\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$  ft. base  
around post.

Land rolling.

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

Vegetation of Bunchgrass,  
Timber of Pine and Cedar.



M. B. T. 21 N. R. 28 E. G. & S. R. M.

Chains.

X 75950' W. on a true line between sections 4 and 33,  
 Va. 14022' East.

Ascend.

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

28.00 Enter Valley, 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  $\frac{1}{4}$  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. 28 E., S. 4  
 on S. E. S. 5 on S. W. and S. 32 on N. W. faces,  
 with 2 notches on W. and 4 notches on E. edges;  
 dug pits, 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.,  
 and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
 around post.

Land rolling.

Soil good rate

Vegetation of Bunchgrass.

Timber of Pine and Cedars.

M. B. T. 21 N. R. 28 E. G. &amp; S. R. M.

Chains.

N.  $59^{\circ} 53' W$ , on a true line between sections 5<sup>th</sup> 32,  
Va. 14 22' East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  S. on M. face; from which

A Cedar 6 ins. diam. bears N.  $30^{\circ} E$ , 78 lks. dist.  
marked  $\frac{1}{4}$  S. B. T.

A Cedar 8 ins. diam. bears S.  $41\frac{1}{2}^{\circ} W$ , 62 lks. 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. 5, 6, 31<sup>th</sup> 32,  
marked T. 22<sup>th</sup>, S. 32, on N. E., R. 28<sup>th</sup>, 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.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

from which

A Cedar 5 ins. diam. bears N.  $24^{\circ} E$ , 34 lks. dist.  
marked T. 22<sup>th</sup>, R. 28<sup>th</sup>, S., 32 B. T.

A Cedar 6 ins. diam. bears S.  $50^{\circ} E$ , 21 lks. dist.  
marked T. 21<sup>th</sup>, R. 28<sup>th</sup>, S., 5 B. T.

M. B. T. 21 N. R. 28 E. G. &amp; S. R. M.

Chains.

A Cedar 8 ins. diam. bears N. 35° 14' W., 115 lks. dist.

marked T. 22 N., R. 28 E., S., 31. B. T.

No other trees within limits.

Land rolling.

Soil 3<sup>rd</sup> rate.Timber of *Semb* Cedar,Vegetation of *Bunchgrass*.

U. 89° 53' W. on a true line between sections 6 and 31.

Va. 14° 22' 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.

51.00

high,  $3\frac{1}{2}$  ft. base around post. from which bears:  
A Cedar 6 ins. diam. S. 61° W., 121 lks. dist. marked 1/4 S. 38. 5.  
Cross Canon, 200 lks. wide, Course South and ascend.

79.00

The Cor. to Tps. 21 & 22 N. Rs. 27 & 28 E.  
from which I started -  
Land mountainousSoil 3<sup>rd</sup> rate.Timber of *Pine* and *Cedar*,Vegetation of *Bunchgrass*.October 28<sup>th</sup> 1882.

Chains.

For final matters see  
book 18.



U. S. Surveyor General's Office,  
Tucson, Arizona, May 17, 1883

The foregoing Field Notes of the survey of

of  
Exterior Lines of Townships

19, 20, 21 & 22 North Ranges

28, 29, 30 & 31 East

of the Gila and Salt River Base and Meridian, Arizona,

executed by W. R. Fitzgerald,

D. S., under his contract of the 17<sup>th</sup> day of

July, 1881, having been critically ex-

amined and the necessary corrections and explanations

made, the said Field Notes and the surveys they de-

scribe, are hereby approved.

J. M. Robinson

Surveyor General.