

BOOK 1253

1253

1253

BOOK 1253

P-1

F I E L D       N O T E S  
OF A PORTION OF THE  
EXTERIOR LINES OF

Townships 21, 22, 23 & 24 North,  
Ranges 18, 19, 20, & 21 East.

Gila and Salt River Base and  
Meridian,

ARIZONA.

By A. P. Johnson, D. S., under  
Contract dated August 5, 1882.  
Survey commenced Jan. 15, 1883.  
Survey completed Feby. 3, 1883.

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E. B. T. 23 N R. 21 E. G. & S. R. M.

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BOOK 1253

No. 1253

Chains.

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Before proceeding farther with the exterior of this T.P., I made a change of 6 minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation of the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 22 & 23 N. Rs. 21 & 22 E, which is a lava stone, 14 x 10 x 3 ins., set firmly in the ground, marked with 6 notches on each edge; with pits 24 x 18 x 12 ins. lengthwise on each line, N., S., E. and W. of stone, 6 ft. dist, and a mound of earth 2 1/2 ft. high, 5 ft. base along side, I run

North on a true line between sections 31 and 36. Va. 140 55' East.

Over level land

40.00 Set a Sand stone 20 x 12 x 8 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., 21. and 5. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

For preliminary notes and description of instrument used see book No. 1

BOOK 1253

E. B. T. 23 N. R. 21 E. G. &amp; S. R. M.

Chains.

80.00 Set a sand stone  $20 \times 13 \times 8$  ins.  $15$  ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on  $\mathcal{N}$  edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside Land level.

Soil good rate

Vegetation, bunchgrass and sagebrush.

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North on a true line between sections 25 and 30.

Va.  $14^{\circ} 55'$  East.

Over level land

40.00 Set a sand stone  $14 \times 12 \times 8$  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.,  $\mathcal{N}$ . 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

60.00 Leave Valley, bears N. W. and S. E. and ascend.

80.00 Set a sand stone  $14 \times 12 \times 8$  ins. 9 ins. in the ground for Cor. to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on  $\mathcal{N}$  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

E. B. T. 23 N. R. 21 E. G. &amp; S. R. M.

Chains.

Land level. and mountainous.

Soil good rate

Vegetation, bunchgrass and sagebrush.

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North on a true line between sections 19 and 24.

Va.  $14^{\circ} 55'$  East.

Ascend.

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

29.00 Enter Valley, bears E. and W.

40.00 Set a sand stone  $20 \times 10 \times 6$  ins., 15 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins.,  $\mathcal{N}$ . and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

80.00 Set a sand stone  $20 \times 10 \times 8$  ins.  $15$  ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on  $\mathcal{N}$  edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside Land mountainous. and level.

Soil good rate

Vegetation, bunchgrass and sagebrush.

E. B. T. 23 N. R. 21 E. G. &amp; S. R. M.

## Chains.

North on a true line between sections 13 and 18.

Va.  $14^{\circ} 55'$  East.

Over level land

37.00 Leave Valley, bears E. and W. and ascend.

40.00 Set a larva stone  $20 \times 12 \times 4$  ins., 15 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits,  $18 \times 18 \times 12$  ins.,  $\gamma$  and  $\delta$  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

55.68 Top of Hill bears E. and W. and descend.

80.00 Set a larva stone  $24 \times 12 \times 7$  ins. 18 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on W. edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land level. and hilly

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

E. B. T. 23 N. R. 21 E. G. & S. R. M.

Chains.

North on a true line between sections 7 and 12.  
 Va.  $14^{\circ} 55'$  East.

Over rolling land.

40.00

Set a *lava* stone  $14 \times 7 \times 5$  ins., 9  
 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*  $20 \times 12 \times 8$  ins. 10 ins. in  
 the ground for Cor. to Secs. 1, 6, 7 and 12, marked  
 with *s* notches on *S.* and *l* notch on *N.* edges, dug pits  
 $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a  
 mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside  
 Land rolling.

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

Vegetation, bunchgrass and sagebrush.

E. B. T. 23 N. R. 21 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6.  
Va. 14° 55' East.

Over rolling land.

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

80.00 Set a sandstone 18 x 12 x 10 ins. 12 ins. in the ground, for Cor. to Tps. 23 and 24 N. R's 21 and 22 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 rolling.

Soil *3rd* rate

Vegetation, bunchgrass and sagebrush.

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

Chains.

Before proceeding further with the exteriors of this T<sup>h</sup>, I made a change of 6 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 23 & 24 N. Rs. 21 & 22 G, ~~not established~~ run,

North on a true line between sections 31<sup>and</sup> 36. Va. 14° 58' East.

Ascend.

30.00 Top of Spur, bears E. and N. and descend.

40.00 Set a sand stone 14 x 10 x 6<sup>1</sup>/<sub>2</sub> ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/2 on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

80.00 Set a sand stone 14 x 10 x 4 ins. 9 ins. in the ground for Cor. to Secs. 25, 30, 31<sup>and</sup> 36, marked with / notch on S. and 5 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside  
Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.



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

Chains.

North on a true line between sections 25<sup>th</sup> and 30,  
 Va.  $14^{\circ} 58'$  East.

Descend.

27.00 Enter Valley, bears, N. W. and S. E.

40.00 Set a sand stone  $20 \times 10 \times 8$  ins., 10  
 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
 face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

80.00 Set a sand stone  $14 \times 14 \times 8$  ins. 9 ins. in  
 the ground for Cor. to Secs. 19, 24, 25<sup>th</sup> and 30, marked  
 with 2 notch on S. and 4 notches on N edges, dug pits  
 $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a  
 mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land level.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

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

Chains.

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

Va. 14° 58' East.

Over level land

- 27.00 Leave Valley, bears N. E. and S. W. and ascend.
- 35.00 Top of Spur, bears N. E. and S. W. and descend.
- 40.00 Set a lava stone 13 x 7 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., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside
- 80.00 Set a sandstone 20 x 9 x 4 ins. 15 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 Land level. and mountainous.
- Soil 3<sup>rd</sup> rate
- Vegetation, bunchgrass and sagebrush.

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

Chains.

North on a true line between sections 13 and 18.

Va.  $14^{\circ} 58'$  East.

Over rolling land.

40.00 Set a *lava* stone  $14 \times 10 \times 3$  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 *lava* stone  $11 \times 7 \times 2$  ins. 7 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on N. edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside  
Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and vegetation

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

Chains.

North on a true line between sections 7 and 12.

Va. 14° 58' East.

Over rolling land.

27.00 Enter Valley, bears, N. E. and S. W.

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

80.00 Set a sand stone 14 x 9 x 4 ins. 9 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 level.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and oar get me.

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

Chains.

North on a true line between sections 1 and 6.  
Va. 14° 58' East.

Over level land

19.00 Leave Valley, bears N. E. and S. W. and ascend.

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

80.36 Intersect the 6th Standard Parallel North at a point 13.00 chs. West of the Standard Cor. on boundary of Sec. 36, T. 25 N. R. 21 E. at which point I.

Set a sandstone 20 x 12 x 8 ins. 16 ins. in the ground for Closing Cor. to Tps. 24 N., R's 21 and 22 E., marked C. C., with 6 notches on S, E. & W. edges, dug pits 24 x 18 x 12 ins. crosswise on each line, S, E. & W. of stone 6 ft. dist. and raised a mound of earth, 2 1/2 ft. high, 5 ft. base. alongside

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

January 15th 1883

Chains.

From the Cor. to Tps. 23 & 24 N, Rs. 21 & 22 E,  
previously set by me.

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

Va.  $14^{\circ} 58'$  East.

I set temporary corners at every half mile, and at 5 miles  
75.5 chs. I arrive at a point 30 kls. South of Cor. to Tps,  
previously set by me.

23 & 24 N, Rs. 20 & 21 E from which corner I run  
 $5.89^{\circ} 58' E$  on a true line between sections 6 & 31,

Va.  $14^{\circ} 58'$  East.

Over rolling land.

35.51 Set a larva stone  $24 \times 10 \times 4$  ins., 18  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
face, and raised a mound of stone. alongside Pits  
impracticable.

75.51 Set a larva stone  $20 \times 9 \times 7$  ins. 15 ins. in  
the ground for Cor. to Secs. 5, 6, 31 & 32, marked  
with 1 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 from which  
a Juniper 16 ins. diam. bears N.  $40^{\circ} W$ , 86 kls. dist.  
marked T. 24 N R. 21 E, S., 31 B. T.

No other trees within limits.  
Land mountainous

Soil 3rd rate

Timber of Juniper.

Vegetation bunch grass & oak brush.

Chains.

S. 87° 55' E. on a true line between sections 32 and 33.

Va. 14° 55' East.

Ascend.

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

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

80.00 Set a lava stone 24 x 14 x 4 ins. 18 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on W. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

Timber of Juniper.

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

Chains.

S.  $89^{\circ}58'$  E. on a true line between sections 4<sup>th</sup> and 33.Va.  $14^{\circ}58'$  East.

Ascend.

30.00 Top of Mountain, bears N. and S.

40.00 Set a lava stone  $12 \times 7 \times 2$  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.80.00 Set a lava stone  $20 \times 12 \times 6$  ins. 15 ins. in the ground for Cor. to Secs. 3, 4, 33<sup>rd</sup> and 34, marked with 3 notches on W and 3 notches on E. edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside Land rolling.Soil 3<sup>rd</sup> rate

Vegetation, bunchgrasses and sagebrush.



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

ains,

S.  $89^{\circ} 58' E$ , on a true line between sections 3<sup>rd</sup> and 34.Va.  $14^{\circ} 55'$  East.

Over rolling land.

40.00 Set a lava stone  $12 \times 9 \times 4$  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

80.00 Set a lava stone  $14 \times 9 \times 8$  ins. 9 ins. in the ground for Cor. to Secs. 2, 3, 34<sup>th</sup> and 30<sup>th</sup>, marked 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. alongside  
Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

ains.

N. 89° 58' E. on a true line between sections 2<sup>nd</sup> and 3<sup>rd</sup>.

Var. 14° 55' East

Over rolling land.

40.00 Set a lava stone 14 x 9 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

68.00 Enter Valley, bears, N. and S.

80.00 Set a sand stone 20 x 10 x 8 ins. 15 ins. in the ground for Cor. to Secs. 1, 2, 3<sup>rd</sup> and 3<sup>rd</sup>, marked with 5 notches on N. and 7 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 rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

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

ains.

S. 89° 55' E. on a true line between sections 1 and 86.

Va. 140 55' East.

Over level land

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

51.00 Leave Valley, bears N. <sup>2nd</sup> S. and ascend.

80.00 The Cor. to Tps. 23 & 24 N. Rs. 21 & 22 E.  
from which I started  
Land level. and rolling.  
Soil good rate

Vegetation, bunchgrass and sagebrush

January 17<sup>th</sup> 1883.

chains.

Before proceeding further with the exterior of this Tp., I made a change of 6 minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further ~~adjusted~~ <sup>adjusted</sup> the instrument by reversing.

From the Cor. to Tps. 22 & 23 N, Rs. 21 & 22 E,  
<sup>approximately, as written,</sup>  
 I run West on a random line on U. B. of Tp.

Va.  $14^{\circ} 55'$  East.

I set temporary corners at every half mile, and at 5 miles 76.09 chs. I arrive at a point 160 lks. North of Cor. to Tps. previously set by me.

22 & 23 N, Rs. 20 & 21 E, from which corner I run  $N. 89^{\circ} 48' E.$  on a true line between sections 6 & 31.

Va.  $14^{\circ} 55'$  East.

Over level land

36.09 Set a sand stone  $12 \frac{1}{2} \times 12 \times 12$  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

76.09 Set a sand stone  $20 \times 12 \times 8$  ins. 10 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  $18 \times 18 \times 12$  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

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

ains.

Land level.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

N. 89° 48' E. on a true line between sections 5 and 32.

Va. 14° 51' East.

Ascend.

13.00 Top of Mountain, base N. 90° S. 90° descend.

40.00 Set a sand stone 20 x 10 x 6 ins., 15 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside80.00 Set a sand stone 20 x 12 x 8 ins., 15 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on N. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

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

$N 89^{\circ} 48' E$ , on a true line between sections 4<sup>th</sup> & 33,  
Va.  $14^{\circ} 51'$  East.

Over broken land.

40.00 Set a lava stone  $12 \times 10 \times 7$  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

0.00 Set a lava stone  $24 \times 10 \times 6$  ins. 8 ins. in  
the ground for Cor. to Secs. 3, 4, 33 & 34, marked  
with 3 notch<sub>W</sub> on W. and 3 notch<sub>E</sub> 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 from which  
A Juniper 10 ins. diam. bears S.  $5^{\circ} W$ , 18' Wks. dist.  
marked T. 23 U. R. 21 E, S., 4 B. T.

No other trees within limits.

Land mountainous

Soil 3<sup>rd</sup> rate

Timber of Juniper.

Vegetation., bunchgrass and sagebrush.

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

Chains.

N. 89° 48' E. on a true line between sections 3 and 34,

Va. 14° 51' East.

Over broken land.

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

80.00 Set a Sand stone 20 x 12 x 8 ins. 15 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with H notches on N. and I notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, bunch grass and sagebrush.

U. B. T. 22 N. R. 2, E. G. & S. R. M.

chains.

N.  $89^{\circ}48'E$ , on a true line between sections 2<sup>nd</sup> and 3<sup>rd</sup>

Pa.  $14^{\circ}57'$  East.

Over broken land.

30.00 Enter Valley, bears, N. <sup>2nd</sup> S.

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

80.00 Set a Sand stone  $20 \times 12 \times 10$  ins. 15 ins. in  
the ground for Cor. to Secs. 1, 2, 3<sup>rd</sup> and 3<sup>rd</sup>, marked  
with 5 notches on N. 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 level.

Soil ~~300~~ rate

Vegetation, bunchgrass and sagebrush,



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

Chains.

N. 89° 48' E. on a true line between sections 1 and 36.

Va. 14° 51' East.

Over level land

40.00 Set a Sand stone 20 x 10 x 8 ins., 15  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  
5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
3 $\frac{1}{2}$  ft. base. alongside

80.00 The Cor. to Tps. 22 & 23 N. Rs. 21 & 22 E.  
from which I started -  
Band level.

Soil 300 rate

Vegetation, bunchgrass and sagebrush.

January 18<sup>th</sup> 1883.

N. B. T. 21 N. R. 21 E. G. & 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 subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 21 & 22 N, Rs. 21 & 22 E, which is a laral stone, 14 x 10 x 6 ins, set firmly in the ground, marked with 6 notches on each edge; with pits 24 x 18 x 12 ins. lengthwise on each line, N., S., E. & W. of stone, 6 ft. dist, and a mound of earth, 2 1/4 ft. high, 5 ft. base along side,

I run West on a random line on N. B. of T<sup>p</sup>.

Va. 14° 51 East.

I set temporary corners at every half mile, and at 5 miles 77.60 chs. I arrive at a point 80 lks. South of Cor. to Tps, previously set by me.

21 & 22 N Rs. 20 & 21 E, from which corner I run S. 89° 54' E, on a true line between sections 6 & 31,

Over rolling land.

Va. 14° 51 East.

C Chains.

- 37.60 Set a sand stone  $20 \times 12 \times 5$  ins., 15 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 *N.* 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
- 41.00 Cross *N. E. Fork of Cottonwood Creek*, 70 lks. wide, Course *S. W.*
- 77.60 Set a lava stone  $16 \times 12 \times 6$  ins. 11 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on *N.* and 5 notches on *E.* edges, 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> and 3<sup>rd</sup> rate
- Vegetation, bunchgrass and sagebrush.

Chains.

S. 89° 54' E. on a true line between sections 5<sup>4th</sup> 32.

Va. 14° 51' East.

Over rolling land.

40.00

Set a lava stone 10 x 12 x 6 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

80.00

Set a lava stone 24 x 14 x 7 ins. 18 ins. in the ground for Cor. to Secs. 4, 5, 32<sup>4th</sup> 33, marked with 2 notches on W and 4 notches on E. edges and raised a mound of stone. alongside Pits impracticable. Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, sagebrush.

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

Chains.

57.89° 54' E. on a true line between sections 4 and 33.

Va. 14° 51' East.

Over broken land.

40.00 Set a *lava* stone 20 x 12 x 7 ins., 15 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

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

80.00 Set a *sand* stone 16 x 12 x 7 ins., 11 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on W. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside  
Land mountainous.

Soil 3<sup>m</sup> rate

Vegetation, sagemah.

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

Chains.

S. 89° 57' E. on a true line between sections 3<sup>rd</sup> and 34,

Va. 14° 57' East.

Over broken land.

40.00 Set a *lava* stone 24 x 12 x 7 ins., 18 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

47.00 Lean broken land, near N. E.  $\frac{3}{4}$  Sec. W. Over level land

80.00 Set a *sand* stone 16 x 13 x 5 ins. 11 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high 4 $\frac{1}{2}$  ft. base. alongside

Land mountainous. and level.

Soil 2<sup>nd</sup> and 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagesbrush.

N. B. T. 2, N. R. 2, E. G. & S. R. M.

Chains.

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

Va. 14° 51' East.

Over rolling land.

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

46.00 Leave rolling land and descend.

80.00 Set a lava stone 14 x 12 x 6 ins. 9 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notch on W. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

Land rolling, and mountainous.

Soil 2nd or 3rd rate

Vegetation, bunchgrass and oregonian.

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

Chains.

S.  $89^{\circ} 57'$  E. on a true line between sections 1 <sup>and</sup> 36.

Va.  $14^{\circ} 57'$  East.

Descend.

40.00 Set a sand stone  $14 \times 10 \times 6$  ins., 9  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on 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

80.00 The Cor. to Tps. 21 & 22 N. Rs. 21 & 22 E.  
from which I platted -  
land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, sagebrush and bunchgrass

January 19<sup>th</sup> 1888.



Chains.

Before proceeding further with the exterior 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 of the sun. I also further tested instrument by reversing.

From the <sup>Standard</sup> Cor. to T<sup>p</sup>s. 21 N. Rs. 17 & 20 E,

which is a sandstone, 24 x 10 x 8 ins, set firmly in the ground, marked S. E. with 6 notches on N, E, & W edges, with pits 24 x 18 x 12 ins. crosswise on each line, N, E, & W of stone, 6 ft. dist, and with a mound of earth, 2 1/2 ft. high, 5 ft. base alongside, I run

North on a true line between sections 31 & 36.

Va. 14° 18' East.

Descend.

- 4.20 Cross Wash, 10 lks. wide, Course S. 60° W.
- 19.00 Cross Wash, 19 lks. wide, Course S. W.
- 40.10 Set a sand stone 15 x 13 x 9 ins.,

W. B. T. 21 N. R. 20 E. G. & S. R. M.

Chains.

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

66.50 <sup>same</sup> Cross Wash. 20 lks. wide, Course *S. E.*

77.00 <sup>same</sup> Cross Wash. 20 lks. wide, Course *S. W.*

80.00 Set a <sup>same</sup> stone 20 x 14 x 9 ins. 15 ins. in the ground for Cor. to Secs. 25, 30, 35 and 36, marked with  $\gamma$  notch on *S.* and  $\delta$  notches on *N.* edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land rolling.

Soil <sup>good</sup> rate

Vegetation bunch grass and sagebrush.

W. B. T. 21 N R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 25 and 30.

Va. 14° 00' East.

Over rolling land.

- 17.30 Cross Wash. 20 lks. wide, Course S. E.
- 29.00 Cross Wash. 20 lks. wide, Course S. W.
- 40.00 Set a sand stone 13 x 12 x 10 ins., 9 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits, 18 x 18 x 12 ins., 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
- 42.00 <sup>same</sup> Cross Wash. 20 lks. wide, Course S. E.
- 80.00 Set a sand stone 12 x 10 x 10 ins. 8 ins. in the ground for Cor. to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land rolling.

Soil 3rd rate

Vegetation, bunchgrasses and sagebrush.

W. B. T. 21 N. R. 20 E. G. & S. R. M.

Chains.

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

Va. 14<sup>000'</sup> East.

Over rolling land.

39.00 Cross Wash. 15<sup>000'</sup> wide, Course S. W.

40.00 Set a basalt stone 13 x 10 x 9 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., 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 basalt stone 17 x 14 x 10 ins. 11 ins. in the ground for Cor. to Secs. 13, 18, 19<sup>th</sup> and 24<sup>th</sup>, 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

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

W. B. T. 21 N. R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 13<sup>40</sup> and 15.

Va. 13040' East.

Over rolling land.

40.00 Set a sand stone 12 x 12 x 6 ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside

51.50 Cross Wash. 15 lks. wide, Course S. 20° E.

80.00 Set a sand stone  $14 \times 11 \times 5$  ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked 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. alongside

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunch grass and sagebrush.

W. B. T. 21 N. R. 20 E. G. &amp; S. R. M.

No. 1253

Chains.

North on a true line between sections 7 and 12.

Va.  $14^{\circ}00'$  East.

Over rolling land.

40.00 Set a sand stone  $17 \times 11 \times 8$  ins., 11 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., 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  $23 \times 16 \times 12$  ins. 17 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with S notch on S. and / notch on W. edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagebrush.

W. B. T. 21 N. R. 20 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 1 and 6.

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

Over rolling land.

31.40 Cross Wash. 20 lks. wide, Course S.W and ascend.

40.00 Set a sand stone  $13 \times 10 \times 3$  ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, dug pits,  $18 \times 18 \times 12$  ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside80.00 Set a sand stone  $20 \times 17 \times 11$  ins. 15 ins. in the ground, for Cor. to Tps. 21 and 22 R's 19 and 20 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

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and vegetation.

January 20<sup>th</sup> 1883.

T. 21 N. R. 20 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 readings 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. 19 & 20 E,  
~~not established~~  
 I run East on a random line on T. B. of Tp.

Va.  $130^{\circ} 30'$  East.

I set temporary corners at every half mile, and at 5 miles  
 7 & 75 chs. I arrive at a point 47 lks. North of Cor. to Tps,  
 previously set by me.

21 & 22 N. Rs. 20 & 21 E, from which corner I run  
 N.  $89^{\circ} 57' N$  on a true line between sections 1 & 36,

Va.  $140^{\circ} 51'$  East.

Over level land

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

80.00 Set a sand stone  $14 \times 12 \times 8$  ins. 7 ins. in  
 the ground for Cor. to Secs. 1, 2, 35 & 36, marked  
 with 5 notches on W and 1 notch on E. edges, dug pits  
 $18 \times 18 \times 12$  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



40

N. B. T. 21 N. R. 20 E. G. & S. R. M.

chains.

Land level.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass and sagebrush.

N. 89° 57' W. on a true line between sections 2 and 30.

Va. 14° 51' East.

Over level land

~~Cross Wash~~ 1ks. wide, Course

40.00

Set a sand stone 20 x 10 x 8 ins., 15 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., 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

~~Leave Valley, bears~~

80.00

Set a sand stone 20 x 10 x 8 ins., 15 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W. and 2 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land level.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass or sagebrush.

N. B. T. 21 N R. 20 E. G. & S. R. M.

chains.

71.890 57' W on a true line between sections 3<sup>and</sup> 34.

Over level land Va. 14° 51' East.

8.30 Cross Wash. 130 lks. wide, Course S. 10° E.

40.00 Set a sand stone 18 x 16 x 15 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

40.50 Leave Valley, bears 71. and 0. and ascend.

80.00 Set a sand stone 14 x 12 x 6 ins. 9 ins. in the ground for Cor. to Secs. 3, 11, 23 & 34, marked with 3 notches on ~~W~~ and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside

Land level. And mountainous.

Soil 2<sup>nd</sup> & 3<sup>rd</sup> rate

Vegetation, bunchgrasses and sagebrush.

N. B. T. 21 N. R. 20 E. G. &amp; S. R. M.

Chains.

N.  $89^{\circ} 57' W$ . on a true line between sections 4<sup>th</sup> and 3<sup>rd</sup>.Va.  $14^{\circ} 51'$  East.

Ascend.

~~Enter Timber,~~34.00 Top of Bluff bears N. and V.  $\frac{1}{2}$  descend.40.00 Set a Sand stone  $24 \times 18 \times 4$  ins., 18 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on N. face, dug pits,  $18 \times 18 \times 12$  ins., E. and W. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside80.00 Set a Sand stone  $20 \times 12 \times 8$  ins. 15 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on W and 4 notches on E. edges, 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 mountainousSoil 3<sup>rd</sup> rate~~Timber of~~

Vegetation, bunchgrass and sagebrush.

N. B. T. 21 N. R. 20 E. G. & S. R. M.

Chains.

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

Ascend. Va. 14° 51' East.

28.00 Enter Timber, Bears. N. and O.  
30.00 Top of Hill bears N. and O. and descend.  
40.00 Set a sand stone 14 x 10 x 8 ins., 9

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

80.00 Set a sand stone 20 x 18 x 12 ins., 22 ins. in the ground for Cor. to Secs. 5, 6, 31 & 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

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, bunch grass and sagebrush.

Timber of Junco Cedar.

N. B. T. 21 N. R. 20 E. G. & S. R. M.

Chains.

N.  $59^{\circ} 57'$  W. on a true line between sections 6 and 31.

Va.  $14^{\circ} 51'$  East.

Descend.

40.00 Set a Sand stone  $15 \times 13 \times 6$  ins., 10 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

41.75 Leave Timber, Bears. N. W. and S. E.

76.75 Cross Wash. 100 lks. wide, Course W. and ascend.

78.75 The Cor. to Tps. 21 & 22 N. Rs. 19 & 20 E.

from which I started  
part mountainous

Soil 3<sup>rd</sup> rate

Timber of Somb Cedar.

Vegetation, bunchgrass and sagebrush.

January 22<sup>nd</sup> 1883.

W. B. T. 22 N. R. 20 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 21 & 22 N. Rs. 19 & 20 E,  
recently established by me -  
I run,

North on a true line between sections 31 and 36,

Va. 13° 30' East.

Ascend.

40.00 Set a basalt stone 16 x 10 x 6 ins., 11  
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W.  
face, and raised a mound of stone. alongside Pits  
impracticable.

80.00 Set a basalt stone 17 x 16 x 12 ins. 14 ins. in  
the ground for Cor. to Secs. 25, 30, 31 & 36, marked  
with / notch on S. and notches on W edges and  
raised a mound of stone. alongside Pits impracticable.  
Land mountainous

Soil 3<sup>rd</sup> rate

Timber of Juniper.

Vegetation, bunchgrasses and sagebrush.

W. B. T. 22 N. R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 25580.

Va.  $13^{\circ}25'$  East.

Ascend.

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

80.00 Set a basalt stone 25 x 10 x 10 ins. 18 ins. in  
the ground for Cor. to Secs. 19, 24, 25580 marked  
with 2 notches on S. and 4 notches on N. edges and  
raised a mound of stone. alongside Pits impracticable.  
Land mountainous.

Soil 300 rate

Vegetation, bunchgrass and vegetation.

W. B. T. 22 N. R. 20 E. G. &amp; S. R. M.

Chains.

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

Va. 13° 21' East.

Ascend.

10.00 Top of flat Butte, bear E. <sup>and</sup> W.

30.00 Descend.

40.00 Set a Basalt stone 20 x 16 x 10 ins., 10  
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 post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 13, 18, 19 & 24,  
marked T. 22 N. S. 18, or N. E., R. 20 E., S. 19  
on S. E. S. 24 on S. W. and S. 13 on N. W. face, <sup>R. 19 E.</sup>  
with 3 notches on S. and 3 notch <sub>es</sub> on N. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$  ft. base  
around post.

Land mountainous

Soil poor rate

Timber of Juniper,

Vegetation, bunchgrass <sup>and</sup> sagebrush.



Chains,

North on a true line between sections 13 and 18.

Va. 10° 30' East.

Descend.

34.40 Cross Wash. 20 lks. wide, Course  $\sqrt{64}^{\circ}E$  and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for  $\frac{1}{2}$  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 basalt stone 14 x 12 x 8 ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 17 & 18, marked with 4 notches on S. and 2 notches on W. edges and raised a mound of stone. alongside Pits impracticable. Land mountainous

Soil *3 m* rate.

Timber of Juniper.

Vegetation, bunchgrass and sagebrush.

M. B. T. 22 N. R. 20 E. G. & S. R. M.

chains.

North on a true line between sections 7 and 12.  
Va. 130 30' East.

Ascend.

- 40.00 Set a basalt stone 25 x 20 x 10 ins., 19 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 basalt stone 24 x 10 x 6 ins. 18 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with a notch ~~on~~ on S. and 1 notch on ~~W.~~ edges and raised a mound of stone. alongside Pits impracticable.  
Land mountainous.  
Soil 3<sup>rd</sup> rate  
Vegetation, bunch grass and vegetation.

N. B. T. 22 N. R. 20 E. G. & S. R. M.

chains.

North on a true line between sections 1 and 6.

Va. 13030' East.

Ascend.

15.25 Top of flat Butte, bears E. <sup>then W.</sup> <sup>then descend.</sup>

40.00 Set a basalt stone 20 x 11 x 7 ins., 10 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. face, and raised a mound of stone. alongside **Pits** impracticable.

80.00 Set a post, 4 1/2 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor: to Tps. 22 and 23 N's 19 and 20 E marked T, 23 N S. 31 on N. E. R. 20 E S: 6 on S. E. T. 22 US. 1 on S, W, and R, 19 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 1/2 ft. high, 5 ft. base around post,

Land mountainous and rolling.

Soil 3<sup>rd</sup> rate

Timber of Juniper.

Vegetation, bunchgrass and sagebrush.

Jamaica, 23<sup>rd</sup> 1883.

N. B. T. 22 N. R. 20 E. G. & S. R. M.

chains.

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

From the Cor. to Tps. 22 & 23 N Rs. 19 . & 20 E.

~~Just established -~~  
I run East. on a random line on N. B. of Tp.

Va.  $13^{\circ} 30'$  East.

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

77.00 chs. I arrive at a point 19 1/2 lks. South of Cor. to Tps, previously set by me.

22 & 23 N Rs. 20 & 21 E from which corner I run S.  $89^{\circ} 46'$  N on a true line between sections 1 & 36.

Va.  $14^{\circ} 55'$  East.

Descend.

37.00 Cross Wash. 20 lks. wide, Course S. and ascend.

40.00 Set a basalt stone  $20 \times 10 \times 4$  ins., 15 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N. face, and raised a mound of stone. alongside Pits impracticable.

80.00 Set a basalt stone  $20 \times 10 \times 10$  ins., 15 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on N and 1 notch on E. edges and raised a mound of stone. alongside Pits impracticable.

N. B. T. 22 N R. 20 E. G. & S. R. M.

Chains,

Land mountainous

Soil 3<sup>rd</sup> rate

Timber of Juniper,

Vegetation, bunchgrasses and sagebrush.

S. 89° 46' W on a true line between sections 2 and 35.

Va. 13° 33' East.

Ascend.

5.00 Cross Wash. 20 lks. wide, Course S. E. and ascend.

40.00 Set a basalt stone 20 x 20 x 10 ins., 11 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N. face, and raised a mound of stone. alongside Pits impracticable.

70.00 Enter rolling mesa and continue ascent.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 2, 3, 34 & 35, marked T. 23 N S. 35, on N. E., R. 20 E., S. 2 on S. E. S. 3 on S. W. and S. 34 on N. W. face, 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.

N. B. T. 22 N R. 20 E. G. & S. R. M.

Chains.

Land mountainous and rolling.

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

Timber of Juniper.

Vegetation, bunchgrass and sagebrush

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S. 87° 46' W. on a true line between sections 3 and 34.

Va. 120° 30' East.

Ascend.

30.00 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.

70.00 Cross Wash. 22 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. 3, 4, 33 & 34, marked T. 23 N S. 34, on N. E., R 20 E, S. 3 on S. E. <sup>S. 22 N.</sup> 4 on S. W. and S. 33 on N. W. faces, with 3 notch  $\infty$  on W. and 3 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.

M. B. T. 22 N. R. 20 E. G. &amp; S. R. M.

Chains.

Land mountainous

Soil 3<sup>00</sup> rate.

Timber of Juniper.

Vegetation, bunchgrass <sup>and</sup> sagebrush.S. 89° 46' W on a true line between sections 4 <sup>and</sup> 33,

Va. 3° 00' East.

Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on W. face.

80.00 Set a <sup>basalt</sup> stone 20 x 20 x 20 ins. 15 ins. in the ground for Cor. to Secs. 4, 5, 325. 33, marked with 2 notch  $\infty$  on W and 4 notch  $\infty$  on E. edges and raised a mound of stone. Pits impracticable.

Land rolling

Soil 3<sup>00</sup> rate.

Timber of Juniper.

Vegetation, bunchgrass or sagebrush.

*U. B. T. 22 N. R. 20 E. G. & S. R. M.*

Chains.

*S. 89° 46' W. on a true line between sections 5 and 32.*

*Va. 13° 33' East.*

*Ascend.*

*40.00 Set a basalt stone 20 x 10 x 10 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. alongside Pits impracticable.*

*52.00 Enter Mead, from N. W. and S. E.*

*80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 5, 6, 31 & 32, marked T. 23 N. S. 32, on N. E., R. 20 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 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 on rata.*

*Timber of Juniper.*

*Vegetation, bunch grass and sagemon.*



N. B. T. 22 N. R. 20 E. G. & S. R. M.

Chains.

S. 89° 46' W. on a true line between sections 6 <sup>and 31</sup>

Va. 13033' East.

Over Mesa.

14.00 Descend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

77.00 The Cor. to Tps. 22 & 23 N. Rs. 19 & 20 E. from which I started -  
Land rolling.

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

Timber of Juniper.

Vegetation, bunchgrass and sagebrush.

January 24<sup>th</sup> 1883.

W. B. T. 23 N. R. 20 E. G. &amp; S. R. M.

Chains.

From the Cor. to Tps. 22 & 23 N. Rs. 17 & 20 E,  
~~previously established by me~~  
 True,

North on a true line between sections 31 and 36,  
 Va. 13° 30' East.

Descend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
 $\frac{1}{2}$  sec. cor., dug pits 18x18x12 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 over it. In N. pit drove a stake 2  
 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{2}$   
 s. on N. face.

80.00 Deposited a marked stone, 12 ins. in the ground, for  
 cor. to secs. 25, 30, 31 & 36, dug pits 18x18x12  
 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 over it. In S. E. pit drove  
 a stake 2 ins. square, 2 ft. long, 12 ins. in the ground,  
 marked T. 23 N. S. 30 on N. E. R. 20 & S. 31 W.  
 S. E. S. <sup>R. 17 E.</sup> 36 on S. W and S. 25 on N. W faces,  
 with / notch on S. and S notch on N edges.  
 Land rolling.

Soil 3rd rate.

Timber of Juniper.

Vegetation, bunchgrass and vegetation

W. B. T. 23 N. R. 20 E. G. &amp; S. R. M.

## Chains.

North on a true line between sections 25530.

Va.  $13^{\circ}30'$  East.

Descend.

38.97 Cross Wash. 18 lks. wide, Course  $687^{\circ}$ , and ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits  $18 \times 18 \times 12$  ins. N. and S. of post  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{3}{4}$  ft. base over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 19, 24, 25530, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 23 N. S. 19 on N. E. R. 20 E S 30 on S. E. S. <sup>R. 19 E</sup> 25 on S. W and S. 24 on N. W faces, with 2 notch  $\infty$  on S. and 4 notch  $\infty$  on N. edges. Land rolling.

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

Timber of Juniper.

Vegetation, bunchgrass &amp; sagebrush.

N. B. T. 23 N. R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 19 and 24,  
Va. 130 30' East.

Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In N. pit drove a stake 2  
ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$   
s. on W. face.

80.00 Set a basalt stone 20 x 20 x 18 ins. 15 ins. in  
the ground for Cor. to Secs. 17, 18, 19 & 24, marked  
with 3 notch  $\infty$  on S. and 3 notch  $\infty$  on E. edges and  
raised a mound of stone. alongside Pits impracticable.  
Land rolling.

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

Timber of Juniper.

Vegetation, bunchgrass & Sagebrush.

W. B. T. 23 N. R. 20 E. G. &amp; S. R. M.

ains.

North on a true line between sections 13518,

Va. 12000' East.

Ascend.

24.20 Top of Ridge, bears E.  $\frac{1}{2}$  W. and descend.40.00 Set a ~~bag~~ <sup>bag</sup> stone 20 x 10 x 10 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.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, 13518, marked T. 20 N. S. 7, on N. E., R. 20 E., S. 18 on S. E., S. 13 on S. W. and S. 12 on N. W. face, with <sup>196</sup> 4 notch <sub>1</sub> 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 mountainous and rolling.Soil 3<sup>rd</sup> rate.

Timber of Juniper.

Vegetation, bunchgrass &amp; sagebrush.

ains.

North on a true line between sections 7 <sup>and</sup> 12,  
Va. 13030' East.

Descend.

3.15 Cross Wash. 20 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 1/2 Sec. Cor., marked 1/2 S. on  
W. face, dug pits, 18 x 18 x 12 ins., N and S of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 ft. base around post.

3.25 Cross Wash. 29 lks. wide, Course S. 25 W and ascend.

50.00 Deposited a marked stone, 12 ins. in the ground, for  
cor. to secs. 1, 6, 7 <sup>and</sup> 12, dug pits 18x18x12  
ins. in each sec. 5 1/2 ft. dist., and raised a mound of  
earth 2 ft. high, 4 1/2 ft. base over it. In S. E. pit drove  
a stake 2 ins. square, 2 ft. long, 12 ins. in the ground,  
marked T. 23 N. S. 6 on N. E. R. 20 E S 7 <sup>on</sup>  
S. E. S. 12 <sup>13, 14,</sup> on S. W and S. 1 on N. W faces,  
with 5 notches on S. and 1 notch on N. ~~faces~~  
Land rolling.

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

Timber of Jumper.

Vegetation, bunchgrass & sagebrush.

W. B. T. 23 N. R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6,

Va.  $13^{\circ}30'$  East.

Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits  $18 \times 18 \times 12$  ins. N and S of post  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base over it. In N pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on W face.

80.00 Set a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor: to Tps. 23 and 24 N. R's 19 and 20 E marked T, 24 N S. 31 on N. E. R. 20 E S: 6 on S. E. T. 23 N S. 1 on S, W, and R, 19 E, S, 36 on N, W, faces, with 6 notches on each edge, dug, pits  $24 \times 18 \times 12$  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 rd rate

Vegetation, bunchgrass & sagebrush.

N. B. T. 23 N. R. 20 E. G. &amp; S. R. M.

## Chains.

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

From the Cor. to Tps. 23 & 24 N. Rs. 19. & 20.

~~met established~~  
I run East on a random line on N. B. of Tp.

Va.  $13^{\circ} 30'$  East.

I set temporary corners at every half mile, and at 5 miles 77.50 chs. I arrive at a point 96 lks. North of Cor. to Tps, previously set by me.

23 & 24 N. Rs. 20 & 21, from which corner I run

$21.89^{\circ} 53' W.$  on a true line between sections 25 & 26,

Ascend. Va.  $14^{\circ} 58'$  East.

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

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

80.00 Set a basalt stone 20 x 20 x 10 ins. 15 ins. in the ground for Cor. to Secs. 1, 2, 3, 4, 5, 6, marked with 5 notches on W. and 1 notch on E. edges and raised a mound of stone. alongside Pits impracticable.



N. B. T. 23 N. R. 20 E. G. & S. R. M.

Chains.

Land mountainous

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

Timber of Juniper.

Vegetation, bunchgrass & sagebrush.

N. 89° 5' W. on a true line between sections 2<sup>nd</sup> & 3<sup>rd</sup>.

Va. 13° 29' East.

Descend.

10.00 Cross Wash. 29 lks. wide, Course E and ascend.

40.00 Set a Basalt stone 15 x 11 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. alongside Pits impracticable.

80.00 Set a Basalt stone 8 x 10 x 4 ins., 12 ins. in the ground for Cor. to Secs. 2, 3, 34 & 35, marked with 4 notches on N and 2 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land mountainous.

Soil 3<sup>rd</sup> rate

Timber of Juniper.

Vegetation, bunchgrass & sagebrush.

N. B. T. 23 N. R. 20 E. G. & S. R. M.

Chains:

N.  $89^{\circ} 53' W$ . on a true line between sections 3 and 34,

Va. 1304d East.

Descend.

40.00 Set a basalt stone  $20 \times 10 \times 10$  ins., 10 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.

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. 24 N S. 34, on N. E., R 206, S. 3 on S. E., S. 4 on S. W and S. 33 on N. W. face, with 3 notch  $\epsilon_0$  on W and 3 notches on E. edges; dug pits,  $18 \times 18 \times 12$  ins. in each Sec., 5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$  ft. base

around post.  
Land mountainous

Soil 3 m rate.

Timber of Juniper.

Vegetation, bunchgrass & vegetation.

U. B. T. 23 N R. 20 E. G. & S. R. M.

Chains.

U. 89° 53' W. on a true line between sections 4 and 33.

Va. 17° 30' East.

Descend.

40.00

Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor., dug pits 18x18x12 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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{2}$  s. on N. face.

80.00

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 4, 5, 32 & 33, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 24 N S. 33 on N. E. R. 20 & S. 4 on S. E. S. <sup>S. 23 N.</sup> 5 on S. W and S. 32 on N. W faces, with 2 notches on W and 4 notches on E. edges. Land rolling.

Soil 4<sup>th</sup> rate.

Timber of Juniper.

Vegetation, bunchgrass & sagebrush.

67  
N. B. T. 23 N. R. 20 E. G. & S. R. M.

40.00 N. 89° 53' W. on a true line between sections 5<sup>th</sup> 32,  
Va. 13030' East.

Descend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In E. pit drove a stake 2  
ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$   
s. on N, face.

80.00 Deposited a marked stone, 12 ins. in the ground, for  
cor. to secs. 5, 6, 31 and 32, dug pits 18x18x12  
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 over it. In S. E. pit drove  
a stake 2 ins. square, 2 ft. long, 12 ins. in the ground,  
marked T. 244 S. 32 on N. E. R. 206 S 5 on  
S. E. S. <sup>V. 204</sup> 6 on S. W and S. 31 on N. W faces,  
with / notch on W and 5 notch on E. corners.  
Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, timothygrass & sagebrush.

N. B. T. 23 N. R. 20 E. G. &amp; S. R. M.

Chains.

N.  $89^{\circ} 58' W.$  on a true line between sections (6 and 5),Va.  $13^{\circ} 38'$  East.

Descend.

40.00

Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits  $18 \times 18 \times 12$  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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

66.50

Cross Wash. 20 lks. wide, Course SW. and ascend.

77.50

The Cor. to Tps. 23 & 24 N. Rs. 19 & 20 E.  
from which I started -  
Land rolling.

Soil 3 ra rate

Vegetation, bunchgrass and vegetation.

January 25<sup>th</sup> 1883.

W. B. T. 24 N. R. 20 E. G. &amp; S. R. M.

Chains.

From the Cor. to Tps. 23 & 24 N. Rs. 19 & 206,  
 recently established by me.  
 I run,

North on a true line between sections 31 and 36.

Va.  $13^{\circ}30'$  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 E. of  
 post  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft.  
 high,  $3\frac{1}{2}$  ft. base around post.

80.00 Set a basalt stone 18 x 13 x 12 ins. 12 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. Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and vegetation.

W. B. T. 24 N. R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 25 <sup>and</sup> 30.  
Va. 130 30' 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  
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.

62.90 Cross Wash. 25 lks. wide, Course S 20° 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 1900  
marked T. 24 N. S. 19, on N. E., R. 20 G, S. 30  
K. 196.  
on S. E., S. 25 on S. W. and S. 24 on N. W. face,  
with 2 notch 60 on S. and 4 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 on rate

Vegetation, bunchgrass or sedgebrush,  
Clumps of Juniper.

Chains.

North on a true line between sections 19<sup>nd</sup> & 24.  
Va. 13038' East.

Ascend.

40.00 Set a basalt stone 20 x 20 x 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.

80.00 Set a basalt stone 6 x 10 x 6 ins. 11 ins. in  
the ground for Cor. to Secs. 17, 18, 19 & 24, marked  
with 3 notches on S. and 3 notches on W. edges and  
raised a mound of stone. alongside Pits impracticable.  
Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass & sagebrush.



W. B. T. 24 N. R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 18 & 18.  
Va. 10040' East.

Ascend.

30.00 Top of Ridge, bears E. <sup>from</sup> 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.

70.10 Cross Wash. 100 lks. wide, Course 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. 7, 12, 18 & 18,  
marked T. 24 N. S. 7, on N. E., R. 20 E, S. 18  
on S. E. S. <sup>R. 17 E.</sup> 13 on S. W. and S. 12 on N. W. face,  
with 4 notches on S. and 2 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 mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass & sagebrush.

W. B. T. 24 N. R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 7 and 12.

Va.  $13^{\circ}30'$  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., 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 basalt stone 8 x 12 x 7 ins. 12 ins. in  
the ground for Cor. to Secs. 1, 6, 7 & 12, marked  
with  $\infty$  notches on S. and / notch on W edges and  
raised a mound of stone. alongside Pits impracticable.  
Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass sagebrush.

W. B. T. 24 N. R. 20 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6.

Va. 12° 30' East.

Ascend.

40.00

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

70.12

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

79.54

Intersect the 6<sup>th</sup> Standard Parallel North at a point 8.58 chs. West of the Standard Cor. <sup>1/4 sec.</sup> now previously set by me. S. B. Sec. 36 and T. 25 N. R. 20 E. <sup>1</sup> at which point I.

Set a basalt stone 20 x 16 x 10 ins. 1/4 ins. in the ground, for <sup>Closing</sup> Cor. to Tps. 24 N., R's 19 and 20 E., marked C. O. with 6 notches on S. E. <sup>Wedges,</sup> and raised a mound of stone, <sup>alongside</sup> Pits impracticable, Land mountainous.

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

Vegetation, bunchgrasses & sagebrush.

January 26<sup>th</sup> 1883

W. B. T. 21 N R. 19 E. G. &amp; S. R. M.

Chains.

Before proceeding further with the exteriors of this T.P., I made a change of 16 minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the <sup>Standard</sup> Cor. to Tps. 21 N. Rs. 18 & 19 E.,

which is a sandstone, 20 x 12 x 12 ins. set firmly in the ground marked S. C. with 6 notches on N, E. and W. edges and with a mound of stone alongside,

I run

North on a true line between sections 31 & 36

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

W. B. T. 21 N. R. 19 E. G. & S. R. M.

Chains.

56.00 Cross Wash. 20 lks. wide, Course S. 20° E. and ascend.

80.00 Set a line stones 25 x 20 x 10 ins. 18 ins. in the ground for Cor. to Secs. 25, 20, 21 & 26, 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<sup>rd</sup> rate.

Timber of Juniper.

Vegetation, bunchgrass and sagebrush.

W. B. T. 21 N. R. 19 E. G. & S. R. M.

Chains.

North on a true line between sections 25 & 30.  
 Va. 130 30' East.

Ascend.

40.00 Set a *lime* stone 19 x 12 x 7 ins., 14  
 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 *lime* stone 23 x 16 x 7 ins. 17 ins. in  
 the ground for Cor. to Secs. 19, 24, 25 & 30, marked  
 with 2 notch  $\infty$  on S. and 4 notches  $\infty$  on E edges and  
 raised a mound of stone. alongside Pits impracticable.  
 Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunch grass or sedge mat.

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BOOK 1253

W. B. T. 21 N. R. 19 E. G. &amp; S. R. M.

## Chains.

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

- Va. 12° 30' East.

Ascend.

40.00 Set a lime stone 30 x 20 x 19 ins., 22 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W. face, and raised a mound of stone. Pits

impracticable.

79.00 Top of Ridge, bears  $N. 79^{\circ} E.$  <sup>2</sup>  $S. 79^{\circ} W.$  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, 24, marked T. 21 S. 18, on N. E., R. 19 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 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 3m rate.Timber of Jumper.

Vegetation, bunchgrasses &amp; sagebrush

W. B. T. 21 N. R. 19 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 13 <sup>and</sup> 14 ft.  
 Va. 130 30' East.

Descend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In N, pit drove a stake 2  
 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$   
 s. on W. face.

80.00 Set a lime stone 25 x 25 x 4 ins, 18 ins. in  
 the ground for Cor. to Secs. 7, 12, 13-14, marked  
 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.

Land rolling.

Soil 3 su rate

Vegetation, bunchgrasses and sagebrush.

Timber of Juniper.



W. B. T. 21 N. R. 19 E. G. & S. R. M.

Chains.

North on a true line between sections 7 and 12.  
Va. 13° 30' East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on  
N. 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.

70.00 Cross low Sag and ascend.

80.00 Set a lime stone 20 x 20 x 6 ins. 15 ins. in  
the ground for Cor. to Secs. 1, 6, 7 and 12, marked  
with 3 notch  $\epsilon$  on S. and 1 notch on  $\mu$  edges and  
raised a mound of stone. alongside Pits impracticable.  
Land rolling.

Soil 3 or rate

Vegetation, bunch grass or sagebrush.

Timber of Juniper

N. B. T. 21 N. R. 19 E. G. & S. R. M.

## Chains.

North on a true line between sections 1 and 6.

No. 13430' 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.
- 55.37 Top of Hill and descend.
- 80.00 Set a lime stone 30 x 20 x 10 ins. 22 ins. in the ground, for Cor. to Tps. 21 and 22 R's 18 and 19 E., marked with 6 notches on each edge, and raised a mound of stone. Pits impracticable. <sup>alongside</sup>  
Land rolling.  
Soil 3<sup>rd</sup> rate  
Vegetation, bunchgrass and sagebrush.  
Timber of Juniper.

N. B. T. 21 N. R. 19 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. 18 & 19 E.,~~  
~~not established~~  
 I run East. on a random line on N.B. of Tp.

Va.  $13^{\circ} 30'$  East.

I set temporary corners at every half mile, and at 5 miles  
 77.82 chs. I arrive at a point 140 lks. South of Cor. to Tps,  
 previously set by me.

21 & 22 N.Rs. 19 & 20 E. from which corner I run  
 S.  $89^{\circ} 50'$  W. on a true line between sections 1 & 36.

Va.  $13^{\circ} 30'$  East.

Descend.

88.25 Cross Wash, 20 lks. wide, Course S. and ascend.

40.00 Set a basalt stone  $14 \times 10 \times 4$  ins., 9  
 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
 face, and raised a mound of stones alongside Pits  
 impracticable.

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

53.10 Cross Wash, 18 lks. wide, Course S. and ascend.

80.00 Set a basalt stone  $16 \times 10 \times 6$  ins. 11 ins. in

N. B. T. 21 N. R. 19 E. G. &amp; S. R. M.

Chains.

the ground for Cor. to Secs. 1, 2, 35/36, marked with 3 notch <sub>20</sub> 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.

Land mountainous

Soil 4 <sup>cts</sup> rate.

Timber of Juniper.

Vegetation Sagebrush.

S. 89° 50' W. on a true line between sections 2 and 35.

Va. 13° 36' East.

Ascend.

40.00 Set a basal stone 14 x 8 x 4 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. alongside Pits impracticable.

80.00 Set a level stone 20 x 12 x 8 ins. 15 ins. in the ground for Cor. to Secs. 2, 3, 345/36, marked with 4 notch <sub>20</sub> on ~~W~~ and 2 notch <sub>20</sub> on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside

Land rolling. Timber of Juniper.

Soil 4 <sup>cts</sup> rate

Vegetation Sagebrush.

chains.

S. 87° 57' W. on a true line between sections 3 and 34,  
Va. 13° 30' 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 1/2 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.

78.15 Cross Wash. 100 lks. wide, Course S. 70° E. and ascend.

80.00 Set a basalt stone 20 x 16 x 10 ins. 15 ins. in  
the ground for Cor. to Secs. 3, 4, 33 & 34, marked  
with 3 notch  $\infty$  on W and 3 notch  $\infty$  on E. edges and  
raised a mound of stone. alongside Pits impracticable.  
Land rolling.

Soil 4 ~~etc~~ rate  
Vegetation, sagelmoh.

Timber of Juniper.

N. B. T. 21 N. R. 19 E. G. & S. R. M.

chains.

S.  $89^{\circ} 50' W$  on a true line between sections 4 <sup>and</sup> 33,  
Va. 1300' East.

Ascend.

40.00

Set a *basalt* stone  $14 \times 10 \times 4$  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.

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. 224 S. 33, on N. E., R. 19 E., S. 4  
on S. E. S. <sup>G. 21 N.</sup> 5 on S. W. and S. 32 on N. W. face,  
with 2 notches on ~~S~~ and 4 notches on E. edges;  
dug pits,  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.  
Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass and sagesmth.

Timber of Juniper.

N. B. T. 21 N. R. 19 E. G. & S. R. M.

chains.

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

Va. 13° 30' East

Ascend.

12.11 Top of Divide, cross N. <sup>21</sup> and descend.

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

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. 5, 6, 21 & 32, marked T. 22 N. S. 32, on N. E., R. 19 E., S. 5 on S. E., S. 6 on S. W. and S. 7 on N. W. face, with / notch on W and J 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 g m rate

Vegetation, bunchgrass & oregon shrubs

Timber of Juniper.

T. 21 N. R. 19 E. G. & S. R. M.

ains.



S. 89° 58' W. on a true line between sections 6 and 31.

Va. 13° 20' 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.

77.82

The Cor. to Tps. 21 & 22 N. Rs. 18 & 19 E. from which I started -  
land rolling.

Soil ~~is~~ rate

Vegetation, bunchgrass.

Timber of Juniper.

January 29<sup>th</sup> 1883.



N. B. T. 21 N. R. 18 E. G. &amp; S. R. M.

## Chains.

From the Cor. to Tps. 21 & 22 N. Rs. 18 & 19 E,  
 recently established by me -  
 I run West on a random line on N. B. of Tp.

Va. 13' 30' East.

I set temporary corners at every half mile, and at 5 miles  
 77.96 chs. I arrive at a point 98. lks. North of Cor. to Tps,

21<sup>th</sup> & 22<sup>nd</sup> N., Rs. 17<sup>th</sup> & 18<sup>th</sup> E., which  
 is a limestone 16 x 10 x 6 ins., set  
 firmly in the ground, marked with  
 6 notches on each edge; with pits  
 24 x 18 x 12 ins. lengthwise on each line  
 N, S, E. & W. of stone, 6 ft. dist, & a mound  
 of earth 2 1/2 ft high, 5 ft. base, along side;

From which corner I run.

N. 89° 53' E, on a true line between sections 6<sup>th</sup> & 8<sup>th</sup>.

Va. 10° 30' East.

Ascend.

- 21.96 Top of Ridge, bears N. E. & S. W, and descend.  
 23.96 Enter drain, course N. E.  
 27.66 Leave drain, course N. E. and ascend.  
 37.96 Set a limestone 14 x 7 x 5 ins., 10

T. B. T. 21 N. R. 18 E. G. & S. R. M.

Chains.

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

70.66

Cross Wash, 160 lks. wide, Course N. 25° W.

77.96

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 5, 6, 31 & 32, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins; in the ground, marked T. 224 S. 32 on N. E. R. 18 E S. 5 on S. E. S. <sup>22/21</sup> 6 on S. W and S. 31 on N. W faces, with 1 notch on W and 5 notch 50 on E. edges. Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass.

N. B. T. 21 N. R. 18 E. G. & S. R. M.

Chains:

N.  $89^{\circ} 53' 6''$  on a true line between sections 5 and 32.

Va.  $13^{\circ} 15'$  East.

Descend.

2.30 Cross Wash. 50 lks. wide, Course N.  $40^{\circ}$  W. and  
Over level land

32.70 Ascend.

40.00 Set a *lime* stone  $15 \times 8 \times 4$  ins., 10  
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.

80.00 Set a *sand* stone  $13 \times 9 \times 3$  ins.  $9$  ins. in  
the ground for Cor. to Secs. 4, 5, 22-32, marked  
with 2 notches on W and 4 notches on E. edges, dug pits  
 $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a  
mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside  
Land rolling, and level.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

N. B. T. 21 N. R. 18 E. G. & S. R. M.

Chains.

N.  $89^{\circ}58'E$  on a true line between sections 4 <sup>and</sup> 33.

Va.  $13^{\circ}20'$  East.

Descend.

14.00 Enter nearly level land.

37.80 Leave nearly level land.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits  $18 \times 18 \times 12$  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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N face.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 3, 4, 33 <sup>and</sup> 34, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 224 S. 34 on N. E. R. 18 E S 3 on S. E. S. <sup>0.21 N.</sup> 4 on S. W and S. 33 on N. W faces, with 3 notches on W and 3 notches on E. edges.

Land rolling. and level.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

N. B. T. 21 N R. 18 E. G. &amp; S. R. M.

## Chains.

N. 89° 53' E, on a true line between sections 3 <sup>and</sup> 34,  
Va. 13° 25' East

Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
1/4 sec. cor., dug pits 18x18x12 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 over it. In E, pit drove a stake 2  
ft. long, 2 in. square, 12 ins. in the ground, marked 1/4  
s. on W. face.

80.00 Deposited a marked stone, 12 ins. in the ground, for  
cor. to secs. 2, 3, 34 & 35, dug pits 18x18x12  
ins. in each sec. 5 1/2 ft. dist., and raised a mound of  
earth 2 ft. high, 4 1/2 ft. base over it. In S. E. pit drove  
a stake 2 ins. square, 2 ft. long, 12 ins. in the ground,  
marked T. 22 N S. 35 on N. E. R. 18 E S 2 on  
S. E. S. 3 <sup>7, 21 N</sup> on S. W and S. 34 on N. W faces,  
with 4 notches on W and 2 notches on E. edges.  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

N. B. T. 21 N. R. 18 E. G. & S. R. M.

Chains.

N. 89° 53' E. on a true line between sections 21 and 30.

Va. 13030' East.

Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 1, 2, 35536, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 22 N. S. 36 on N. E. R. 18 E S. 1 on S. E. S. 2 on S. W and S. 35 on N. W faces, with  $\int$  notch E on W and 1 notch on E. edges.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, burongrass.

74  
T. 21 N. R. 18 E. G. & S. R. M.

Chains.

N. 89° 53' E. on a true line between sections 1<sup>2nd</sup> & 36,  
Va. 13° 38' East.

Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
1/4 sec. cor., dug pits 18x18x12 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 over it. In E. pit drove a stake 2  
ft. long, 2 in. square, 12 ins. in the ground, marked 1/4  
s. on N. face.

80.00 The Cor. to Tps. 21 & 22 N. Rs. 18 & 19 E.  
from which I started -  
Band rolling.  
Soil 2<sup>nd</sup> rate  
Vegetation, bunchgrass.

January 30<sup>th</sup> 1883.

W. B. T. 22 N. R. 19 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 21 & 22 N. Rs. 18 & 19 E.  
recently established by me.

I run,

North on a true line between sections 31 and 36.

Va.  $13^{\circ} 00'$  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 sand stone 20 x 16 x 4 ins. 15 ins.  
the ground for Cor. to Secs. 25, 30, 31 & 36, marked  
with / notch on S. 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. alongside  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunch grass.

Timber of Juniper.



76  
T. 22 N R. 19 E. G. & S. R. M.

Chains.

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

Va.  $18^{\circ} 30'$  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.

66.20 Cross Wash, 20 lks. wide, Course N.  $76^{\circ}$  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 & 30,  
marked T. 22 N S. 19, on N. E., R. 19 E., S. 30  
R. 19 E.  
on S. E. S. 25 on S. W. and S. 24 on N. W. face,  
with 2 notch  $\infty$  on S. and 4 notch  $\infty$  on N. edges,  
dug pits, 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

Land rolling.

Soil 3 ml rate

Vegetation, bunchgrass.

Chains.

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

Va. 130 30' East.

Descend.

40.00 Set a sandstone 20 x 16 x 4 ins., 15 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

58.20 Cross Wash, 15 lks. wide, Course S.E. and ascend.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor to secs. 13, 18, 19 <sup>and</sup> 24, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 22 N. S. 18 on N. E. R. 19 E, S 19 on S. E. S. <sup>R. 18 E.</sup> 24 on S. W and S. 13 on N. W faces, with 3 notch  $\infty$  on S. and 3 notch  $\infty$  on W edges. Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunch grass.

Timber of Juniper.

## Chains.

North on a true line between sections 13 and 18.

Va.  $13^{\circ}30'$  East.

Ascend.

40.00 Set a basalt stone  $22 \times 16 \times 9$  ins., 16 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside Pits impracticable.

41.20 Descend.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 7, 12, 13 & 18, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 22 N. S. 7 on N. E. R. 19 E. S. 18 on S. E. S. 13 on S. W and S. 12 on N. W faces, with 4 notches on S. and 2 notches on W edges.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunch grass.

Timber of Juniper.

Chains.

North on a true line between sections 7 <sup>and</sup> 12.  
 Va. 13° 30' East.

Descend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
 1/4 sec. cor., dug pits 18x18x12 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 over it. In N, pit drove a stake 2  
 ft. long, 2 in. square, 12 ins. in the ground, marked 1/4  
 s. on N face.

80.00 Deposited a marked stone, 12 ins. in the ground, for  
 cor. to secs. 1, 6, 75 12, dug pits 18x18x12  
 ins. in each sec. 5 1/2 ft. dist., and raised a mound of  
 earth 2 ft. high, 4 1/2 ft. base over it. In S. E. pit drove  
 a stake 2 ins. square, 2 ft. long, 12 ins. in the ground,  
 marked T. 22 N. S. 6 on N. E. R. 17 E. S. 7 on  
 S. E. S. 12 on S. W and S. 1 on N. W faces,  
 with 5 notch on S. and 1 notch on N edges.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass.

N.B. T. 22 N. R. 19 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6.

Va. 18<sup>th</sup> 30' East.

Descend.

39.20 Cross Wash, 30 lks. wide, Course  $NW$  and ascend.

40.00 Set a basalt stone  $21 \times 20 \times 10$  ins., 16 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  $N$ . face, and raised a mound of stone. alongside Pits impracticable.

80.00 Set a basalt stone  $20 \times 12 \times 6$  ins. 15 ins. in the ground, for Cor. to Tps. 22 and 23 N., R's 18 and 19 E., marked with 6 notches on each edge, and raised a mound of stone. <sup>along</sup> Pits impracticable.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

N. B. T. 22 N. R. 19 E. G. & S. R. M.

Chains.

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

From the Cor. to Tps. 22 & 23 N. Rs. 18 & 19 E,  
~~Just established~~  
 I run East on a random line on N. B. of Tp.  
 Va. 130° 30' East.

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

78.47 chs. I arrive at a point 13 lks. South of Cor. to Tps, previously set by me.  
 22 & 23 N. Rs. 19 & 20 E, from which corner I run  
 S. 89° 59' W on a true line between sections 1 & 36,  
 Va. 130° 30' East.

Over level land

40.00 Deposited a marked stone, 12 ins. in the ground, for 1/2 sec. cor., dug pits 18x18x12 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 over it. In E, pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked 1/2 s. on N face.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 1, 2, 35 & 36, marked T. 23 N. S. 36, on N. E., R. 19 E, S. 1 on S. E., S. 2 on S. W and S. 35 on N. W. face,

104  
 N. B. T. 22 N. R. 19 E. G. & S. R. M.

(Chains.

S. 89° 59' W. on a true line between sections 4<sup>th</sup> & 33,

Va. 13° 30' East.

Descend.

40.00 Set a basalt stone 14 x 10 x 4 ins., 9  
 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on N. **Pits**  
 face, and raised a mound of stone. alongside impracticable.

80.00 Set a basalt stone 16 x 10 x 10 ins. 11 ins. in  
 the ground for Cor. to Secs. 4, 5, 32 & 33, marked  
 with 2 notches on W and 4 notches on E. edges and  
 raised a mound of stone. alongside Pits impracticable.  
 Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrasses.

Timber of Juniper.

N. B. T. 22 N. R. 19 E. G. & S. R. M.

## Chains.

S.  $89^{\circ} 59'$  W. on a true line between sections <sup>5<sup>th</sup> and 32,</sup>

Va. 13030' East.

Descend.

40.00 Set a lime stone  $20 \times 20 \times 16$  ins., 10 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.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 5, 6, 31 & 32, marked T. 23 N. S. 32, on N. E., R 19 E., S. 5 on S. E. <sup>S. 22 N.</sup> S. 6 on S. W. and S. 31 on N. W. faces, with 1 notch on N. and 0 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 around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, burn grass.

Timber of Juniper.



U. B. T. 22 N. R. 19 E. G. & S. R. M.

Chains.

$0.89^{\circ} 55' W.$  on a true line between sections 6<sup>Sec</sup> & 31.

Va. 13030' East.

Descend.

H.O.O. Set a basalt stone  $12 \times 6 \times 4$  ins., 8 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside Pits impracticable.

78.47 The Cor. to Tps. 22 & 23 N. Rs. 18 & 19 E. from which I started land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

Timber of Juniper.

January 31<sup>st</sup> 1888.

N. B. T. 22 N. R. 18 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 22 & 23 N., Rs. 18 & 19 E.,  
~~recently established by me~~  
 I run West on a random line on N. B. of Tp.

Va.  $13^{\circ} 30'$  East.

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

77.00 chs. I arrive at a point 42 lks. South of Cor. to Tps,

22 and 23 N., Rs. 17 and 18 E.,

which is a limestone,

15 x 9 x 4 ins, set firmly in the  
 ground, marked with 6 notches  
 on each edge; with pits

24 x 18 x 12 ins, lengthwise on each  
 line, N., S., E. and W. of stone, 6 ft  
 dist, and a mound of earth,  
 2 1/2 ft. high, 4 1/2 ft. base along side.

From which corner I run.

S.  $89^{\circ} 57'$  E. on a true line between sections 6 and 31.

Va.  $13^{\circ} 20'$  East.

Descend.

87.00 Deposited a marked stone, 12 ins. in the ground, for  
 1/4 sec. cor., dug pits 18x18x12 ins. E and W. of  
 post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft.

N. B. T. 22 N. R. 18 E. G. & S. R. M.

Chains,

high,  $3\frac{1}{2}$  ft. base over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{2}$  s. on N. face.

77.00

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 5, 6, 31 & 32, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 22 N. S. 32 on N. E. R. 18 E S 5 on S. E. S. 6 on S. W and S. 31 on N. W faces, with / notch on W and \ notch on E. edges.  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunch grass.

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

## Chains,

S.  $89^{\circ} 57' E$ , on a true line between sections 5<sup>th</sup> & 32,Va.  $13^{\circ} 20'$  East.

Over level land

40.00

Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits  $18 \times 18 \times 12$  ins. E, and N, 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 over it. In E, pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N, face.

80.00

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 4, 5, 22 & 33, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 22 N. S. 33 on N. E. R. 18 E S 4 on S. E. S. 5<sup>V. 22 N</sup> on S. W and S. 32 on N. W faces, with 2 notches on W and 4 notches on E. edges.

Land level.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrasses.

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

## Chains.

S. 89° 57' E. on a true line between sections 4 <sup>and</sup> 33.

Va. 13° 20' East.

Over level land

30.00 Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In E, pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 3, 4, 33 & 34, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 23 M. S. 34 on N. E. R. 18 E S 3 on S. E. S. <sup>S. 22 N.</sup> 4 on S. W and S. 33 on N. W faces, with 3 notch 20 on W and 3 notch 20 on E. edges.  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

U. B. T. 22 N. R. 18 E. G. &amp; S. R. M.

Mains.

S. 89° 57' E. on a true line between sections 3<sup>rd</sup> & 34.

V. 13° 20' East.

Ascend.

40.00 Set a basalt stone 15 x 12 x 10 ins., 10 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.

80.00 Set a sand stone 17 x 12 x 6 ins., 11 ins. in the ground for Cor. to Secs. 2, 3, 34 & 35, marked with 4 notch  $\infty$  on W and 2 notch  $\infty$  on E. edges and raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

N. B. T. 22 N R. 18 E. G. & S. R. M.

Chains.

S.  $89^{\circ} 57'$  E. on a true line between sections 2 and 35.

Va.  $13^{\circ} 20'$  East

Ascend.

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

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 1, 2, 35 & 36, marked T. 22 N. S. 36, on N. E., R. 18 E., S. 1 on S. E. S. 2 on S. W. and S. 3 on N. W. face, with  $\sigma$  notch  $\sigma$  on ~~N~~ and  $\sigma$  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 around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

U. B. T. 22 N. R. 18 E. G. & S. R. M.

## Chains.

S.  $89^{\circ}57'E$ . on a true line between sections 1 <sup>and</sup> 36.

Va. 13<sup>o</sup>20' East.

Descend.

35.50 Cross Wash. 30 lks. wide, Course  $N. 50^{\circ}W$  and ascend.

40.00 Set a sand stone  $20 \times 20 \times 4$  ins., 15 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.

50.00 The Cor. to Tps. 22 & 23 N. Rs. 18 & 19 E.  
from which I started  
land rolling.

Soil 2<sup>aa</sup> rate

Vegetation, bunch grass.

Timber of Juniper.

February 1<sup>st</sup> 1883.



N. B. T. 23 N. R. 19 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 22 & 23 N. Rs. 18 & 19 G.  
 recently established by me -  
 I run,

North on a true line between sections 31 5 36.

Va. 13° 30' East.

Ascend.

39.12 Top of Spur, bears E. <sup>90°</sup> W and descend.

40.00 Set a basalt stone 16 x 10 x 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 post 4 ft. long, 4 ins. square, with marked stone.  
 12 ins. in the ground, for Cor. to Secs. 25, 30, 31 5 36,  
 marked T. 23 N. S. 30, on N. E., R. 19 E., S. 31  
 on S. E. S. <sup>R. 18 E.</sup> 36 on S. W. and S. 25 on N. W. face,  
 with 1 notch on S. and 5 notches on E. edges;  
 dug pits, 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$  ft. dist.,  
 and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$  ft. base  
 around post.  
 Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

W. B. T. 23 N. R. 19 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25<sup>4a</sup> and 30.  
 Va. 130 30' East.

Descend.

40.00

Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on W. face.

54.70

Cross Wash, 20 lks. wide, Course W. and ascend.

80.00

Set a basalt stone 20x16x6 ins. 15 ins. in the ground for Cor. to Secs. 19, 24, 25-30, marked with 2 notch E on S. and 4 notches on N edges, dug pits 18x18x12 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>4a</sup> rate

Vegetation, bunch grass.

W. B. T. 23 N. R. 19 E. G. & S. R. M.

## Chains.

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

Va. 13030' East.

## Ascend.

40.00

Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In N, pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

80.00

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 13, 18, 19<sup>and</sup> 24, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 23 N. S. 18 on N. E. R. 19 E. S. 19 on S. E. S. <sup>R. 18 E.</sup> 24 on S. W and S. 13 on N. W faces, with 3 notches on S. and 3 notches on N. edges.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

N.B. T. 23 N. R. 19 E. G. & S. R. M.

Chains.

~~North on a true line between sections 13 and 14.~~

~~Va. 130° 30' East.~~

North on a true line between sections 13 and 14.

Va. 130° 30' East.

Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 ins.  $\mathcal{N}$ . and  $\mathcal{S}$ . of post  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base over it. In  $\mathcal{N}$ . pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on  $\mathcal{W}$ . face.

80.00 Set a basalt stone 17x11x5 ins. 11 ins. in the ground for Cor. to Secs. 7, 12, 13 5 ft, marked with 4 notch  $\mathcal{E}$  on  $\mathcal{S}$ . and 2 notch  $\mathcal{E}$  on  $\mathcal{W}$  edges and raised a mound of stone. alongside Pits impracticable. Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunch grass.

H. B. T. 23 N. R. 19 E. G. &amp; S. R. M.

## Chains.

North on a true line between sections 7 and 12.

i

Va. 100 24' East.

Ascend.

40.00 Set a basalt stone 20 x 10 x 10 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.

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

80.00 Set a basalt stone 32 x 19 x 6 ins. 24 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges and raised a mound of stone. alongside Pits impracticable. Land mountainous

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

Timber of Juniper.

Vegetation, bunchgrass and Oagebrush.

## W. B. T. 23 N R. 19 E. G. &amp; S. R. M.

## Chains.

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

Va. 13924 East

Descend.

10.28 Cross Wash, 20 lks. wide, Course S.W. and ascend.

30.90 Top of Butte, bears E. <sup>and W.</sup>

40.00 Set a basalt stone 16 x 12 x 9 ins., 11 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside Pits impracticable.

43.10 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. 23 and 24 N, R's 18 and 19 E, marked T, 24 N. S. 31 on N. E. R. 19 E, S: 6 on S. E. T. 23 N. S. 1 on S, W, and R, 18 E, S, 36 on N, W, faces, with 6 notches on each edge, dug, pits 24 x 18 x 12 ins., lengthwise on each line, N, S, E, and W, of post, 6 ft, dist, and raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft, base around post, Land rolling.

Soil <sup>good</sup> rate

Vegetation bunchgrass <sup>and</sup> sagebrush

Number of Juniper

U. B. T. 23 N. R. 19 E. G. &amp; S. R. M.

## Chains.

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

From the Cor. to Tps. 23 & 24 N., Rs. 18 & 19 E.,  
~~just established~~  
 I run East. on a random line on U. B. of Tp.  
 Va. 130 20' East.

I set temporary corners at every half mile, and at 5 miles  
 77.10 chs. I arrive at a point 73 lks. South of Cor. to Tps,  
 previously set by me.  
 23 & 24 N., Rs. 19 & 20 E., from which corner I run  
 S. 89° 55' W. on a true line between sections 1 & 36.  
 Ascend. Va. 130 30' East.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In E, pit drove a stake 2  
 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$   
 s. on U. face.

80.00 Set a basalt stone, 8x18x10 ins. 12 ins. in  
 the ground for Cor. to Secs. 1, 2, 35 & 36, marked  
 with 5 notch  $\infty$  on R. and 1 notch on E. edges and  
 raised a mound of stone. alongside Pits impracticable

T. 23 N. R. 19 E. G. & S. R. M.

Chains.

Land rolling.

Soil 3 red rust

Vegetation, bunchgrass and sagebrush.

Timber of Juniper.

S. 89° 55' W. on a true line between sections 2 and 35.

Va. 13030' East.

Ascend.

18.00 Descend.

40.00 Set a basalt stone 18 x 12 x 6 ins., 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N. face, and raised a mound of stone. Pits impracticable.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 2, 3, 34 & 35, dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins; in the ground, marked T. 24 N. S. 34 on N. E. R. 19 E. S. 2 on S. E. S. 3 on S. W and S. 34 on N. W faces, with 4 notch Es on N. and 2 notches on E. edges.

Land rolling.

Timber of Juniper.

Soil 3 red rust

Vegetation, bunchgrass or sagebrush.



N. B. T. 23 N. R. 19 E. G. & S. R. M.

Chains.

S.  $89^{\circ} 55'$  W. on a true line between sections 3<sup>4</sup> and 34.

Va.  $13^{\circ} 30'$  East.

Descend.

40.00

Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits  $18 \times 18 \times 12$  ins. E. and N. 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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

80.00

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 3, 4, 33 & 34, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 24 N. S. 34 on N. E. R. 19 E. S. 3 on <sup>S. 23 N.</sup> S. E. S. 4 on S. W and S. 33 on N. W faces, with 3 notch  $\infty$  on N. and 3 notch  $\infty$  on E. edges. Land rolling.

Soil 3<sup>02</sup> rate

Vegetation, bunchgrass and sagelmech.

Timber of Juniper.

N. B. T. 23 N. R. 19 E. G. &amp; S. R. M.

## Chains.

S. 89° 55' W. on a true line between sections 4<sup>2nd</sup> & 33.

Va. 130 30' East.

Descend.

19.00 Cross Wash, 10 lks. wide, Course *E.* a40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In *E.* pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on *W.* face.80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 4, 5, 32 & 33, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 in. square, 2 ft. long, 12 ins. in the ground, marked T. 24 N. S. 33 on N. E. R. 19 E S 4<sup>th</sup> S. E. S. 5 on S. W and S. 32 on N. W faces, with 2 notch es on *W.* and 4 notch es on E. edges. Land rolling.Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass and sagebrush.

Timber of Juniper.

N. B. T. 23 N. R. 19 E. G. & S. R. M.

Chains.

S. 89° 55' W. on a true line between sections 5 and 32,

Va. 13080' East.

Ascend.

.47 Cross Wash, 26 lks. wide, Course S. and ascend.

40.00 Set a basalt stone 17 x 10 x 7 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

80.00 Set a basalt stone 30 x 25 x 20 ins. 20 ins. in the ground for Cor. to Secs. 5, 6, 31 & 32, marked with / notch on W and 5 notches on E. edges and raised a mound of stone. alongside Pits impracticable. Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass and sagebrush.

Timber of Juniper.

Chains.

S. 89° 55' W. on a true line between sections 6<sup>and</sup> 31.

Va. 13030' East.

Ascend.

4000 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.

7710 The Cor. to Tps. 23 & 24 N. Rs. 18 & 19 E  
from which I started  
land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass and sagebrush.

Timber of Juniper.

February 2<sup>nd</sup> 1883.

U. B. T. 23 N. R. 18 E. G. & S. R. M.

Chains.

From the Cor. to Tps. 23 & 24 N., Rs. 18 & 19 E.;  
~~recently established by me~~  
 I run West. on a random line on U. B. of Tp.

Va.  $13^{\circ} 20'$  East.

I set temporary corners at every half mile, and at 5 miles  
 76.55 chs. I arrive at a point 84 lks. North of Cor. to Tps,  
 23 and 24 N., Rs. 17 and 18 E.,

which is a basalt stone,  $20 \times 10 \times 10$  ins.,  
 set firmly in the ground, marked  
 with 6 notches in each  
 edge and with a mound  
 of stone alongside;

From which corner I run.

U.  $89^{\circ} 54'$  E. on a true line between sections 6 and 31.

Va.  $13^{\circ} 20'$  East.

Descend.

36.55 Deposited a marked stone, 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., dug pits  $18 \times 18 \times 12$  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 over it. In E. pit drove a stake 2  
 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$   
 s. on U. face.

N. B. T. 23 N. R. 18 E. G. & S. R. M.

Chains.

76. 55 Set a post 4 ft. long, 4 ins. square, with marked stone.  
 12 ins. in the ground, for Cor. to Secs. 5, 6, 31 & 32,  
 marked T. 24 N. S. 32, on N. E., R. 18 E., S. 5  
 on S. E. S. <sup>7.23 N.</sup> 6 on S. W. and S. 31 on N. W. faces,  
 with 1 notch on W. and 5 notches on E. edges;  
 dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,  
 and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
 around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrasses and sedges.

N. B. T. 23 N. R. 18 E. G. & S. R. M.

## Chains.

N.  $89^{\circ}54'$  E. on a true line between sections 5<sup>and</sup> 32.

Va.  $13^{\circ}30'$  East.

Descend.

30.50 Cross Winslow <sup>and</sup> Moguin road, near N. <sup>and</sup> S.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits  $18 \times 18 \times 12$  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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

45.00 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. 4, 5, 32 <sup>and</sup> 33, marked T. 24 N. S. 33, on N. E., R. 18 E., S. 4 on S. E. <sup>S. 22 N.</sup> S. 5 on S. W. and S. 32 on N. W. face, <sup>5</sup> with 2 notch  $\infty$  on W and 4 notch  $\infty$  on E. edges; dug pits,  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass <sup>and</sup> Oagebrush.

N. B. T. 23 N R. 18 E. G. &amp; S. R. M.

## Chains.

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

Va. 130 30' East.

Ascend.

40.00

Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N face.

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. 24 N. S. 34, on N. E., R. 18 E., S. 3 on S. E. S. 4 on S. W. and S. 33 on N. W. face, with 3 notch  $\infty$  on W and 3 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 3<sup>rd</sup> rate  
 Vegetation, bunchgrass and oagelma.



M. B. T. 23 N. R. 18 E. G. &amp; S. R. M.

## Chains.

N. 89° 54' E, on a true line between sections 3<sup>rd</sup> and 34.

Va. 13° 30' East

Ascend.

40.00

Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on N. face.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 2, 3, 34 & 35, marked T. 24 N. S. 35, on N. E., R. 18 E., S. 2 on S. E. <sup>S. 23 N.</sup> 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

Vegetation, bunch grasses and sagebrush.

U. B. T. 23 N. R. 18 E. G. &amp; S. R. M.

Chains.

N. 89° 54' E. on a true line between sections 2<sup>nd</sup> and 3d,

Va. 13930' East.

Ascend.

40.00 Set a basalt stone 20 x 10 x 6 ins., 15 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside Pits impracticable.

80.00 Set a sand stone 25 x 10 x 10 ins. 18 ins. in the ground for Cor. to Secs. 1, 2, 35 & 36, marked with 6 notch 20 on N. and 1 notch on E. edges and raised a mound of stone. alongside Pits impracticable.  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass and sagebrush.

Timber of Juniper

N. B. T. 23 N. R. 18 E. G. & S. R. M.

Chains.

N 89° 54' E on a true line between sections 1 and 36.  
Va. 13030'

East.

Ascend.

40.00 Set a lime stone 30 x 20 x 4 ins., 20 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N. face, and raised a mound of stone. alongside **Pits** impracticable.

80.00 The Cor. to Tps. 23 & 24 N. Rs. 18 & 19 E, from which I started hand rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass and vegetation.

Timber of Juniper.

Chains.

From the Cor. to Tps. 23 & 24 N. Rs. 18 & 19 E.  
*Recently established by me*  
 I run,

North on a true line between sections 31 & 36.

Va. 13° 20' East.

Ascend.

40.00 Set a sand stone 20 x 20 x 10 ins., 19  
 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.

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

80.00 Set a basalt stone 22 x 20 x 15 ins. 16 ins. in  
 the ground for Cor. to Secs. 25, 30, 31 & 36, marked  
 with 7 notch on S. 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 Juniper.

Vegetation, bunchgrass and sagebrush.

W. B. T. 24 N. R. 19 E. G. &amp; S. R. M.

Chains.

North on a true line between sections 25<sup>th</sup> & 30,

Va. 13° 20' East.

Descend.

40.00 Set a Sand stone 30 x 20 x 6 ins., 20 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.

64.10 Cross Wash, 30 lks. wide, Course S. W. and ascend.

80.00 Set a Lime stone 28 x 20 x 4 ins. 21 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notch 60 on S. and 4 notch 60 on N. edges and raised a mound of stone. alongside Pits impracticable. Land mountainous

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

Timber of Juniper.

Vegetation, bunchgrass and vegetation

Chains.

North on a true line between sections 19<sup>and</sup> 24.  
Va. 13° 20' East.

Ascend.

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

40.00 Set a sand stone 30 x 30 x 30 ins., 20  
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 basalt stone 25 x 13 x 10 ins. 18 ins. in  
the ground for Cor. to Secs. 13, 18, 19 & 24, marked  
with 3 notches on S. and 3 notches on N. edges and  
raised a mound of stone. alongside Pits impracticable.

From which,  
A Spring, bears S. W., 15.00 chs. dist.

Land mountainous

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

Timber of Juniper.

Vegetation, bunchgrass and Sagelbrush.

## Chains.

North on a true line between sections 13 and 18.

Va. 130.20' 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.

61.40 Cross Wash, 24 lks. wide, Course N. 10° 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 & 18,  
marked T. 24 N. S. 7, on N. E., R. 19 E., S. 18  
on S. E. S. <sup>R. 18 E.</sup> 13 on S. W. and S. 12 on N. W. face,  
with 4 notch es on S. and 2 notch es 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, bunchgrass and sagebrush.

Chains.

North on a true line between sections 7 and 12,  
 Va. 13° 20' East.

Ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  
 1/4 sec. cor., dug pits 18x18x12 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 over it. In N. pit drove a stake 2  
 ft. long, 2 in. square, 12 ins. in the ground, marked 1/4  
 s. on N. face.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone  
 12 ins. in the ground, for Cor. to Secs. 1, 6, 7 & 12,  
 marked T. 24 N. S. 6, on N. E., R. 19 E., S. 7  
 on S. E. <sup>R. 19 E.</sup> S. 12 on S. W. and S. 1 on N. W. face,  
 with 5 notch es 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.  
 Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass and sagebrush.

Timber of Juniper.



W. B. T. 24 N. R. 19 E. G. &amp; S. R. M.

## Chains.

North on a true line between sections 1 <sup>and</sup> 6,  
Va. 13<sup>o</sup> 28' East.

Ascend.

20.00 Descend.

25.00 Cross Wash, 20 lks. wide, Course S. 85° W. and ascend.

40.00 Deposited a marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., dug pits 18x18x12 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 over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked  $\frac{1}{4}$  s. on W. face.

80.20 Intersect the 6<sup>th</sup> Standard Parallel North at a point 5.78 chs. West of the Standard Cor. <sup>1/4 sec.</sup> ~~1000~~  
S. B. Sec. 36 and T. 25 N. R. 18 E.

previously set by me.

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. 24 N., R's 18 and 19 E, marked C. C. T: 24 N. on S. R. 19 E. S. 6, on E. and R. 18 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

S.

ft, base, around post,

Land mountainous

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

Timber of Juniper.

Vegetation, bunchgrass and sagebrush.

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

February 3<sup>rd</sup> 1883.

For final notes, see book no. 19.

U. S. Surveyor General's Office,  
Tucson, Arizona, July 26, 1883,

The foregoing Field Notes of the survey of a  
portion of the Exterior lines  
of Townships 21, 22, 23 & 24 North,  
Ranges 18, 19, 20 & 21 East,

of the Gila and Salt River Base and Meridian, Arizona,  
executed by A. P. Johnson,  
D. S., under his contract of the 5th day of  
August, 1852, 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. W. Robbins

Surveyor General.