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**FIELD-NOTES**

No. 1339

The 4<sup>th</sup> Auxiliary Guide Meridian,

along W. boundary of  
Township 13 14 15 and 16 North

Range 17 East

Gila and Salt River Meridian Arizona.

BY

BOOK 1339

*Henry Wiley* Deputy Surveyor,

under his contract of *July 28<sup>th</sup>* 1882.

Survey commenced *April 3<sup>rd</sup>* 1883

Survey completed *July 2<sup>nd</sup>* 1883

Platted by

*No. 1339*

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1339

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For Preliminary Data and description of instrument used see Book No. 1.

W. B. T. 13 N. R. 17 E. G. &amp; S. R. M.

BOOK 1339

No. 1339

Chains.

Standard  
From the Cor. to Tps. 13 N. Rs. 16 & 17 E.,

previously described <sup>by me</sup> ~~by me~~

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

Var. 13° 45' East.

Descend.

40.00 Set a sand stone 24 x 20 x 10 ins., 18 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.

from which

A Cedar 10 ins. diam. bears  $N. 84 \frac{1}{2}^{\circ} E.$ , 26 lbs. dist. marked  $\frac{1}{2}$  S. B. T.

A Yellow Pine 7 ins. diam. bears  $N. 86^{\circ} W.$ , 44 lbs. dist. marked  $\frac{1}{2}$  S. B. T.

57.80 Cross Wash, 6 lbs. wide, Course  $N. 60^{\circ} W.$  and ascend

80.00 Set a sand stone 16 x 12 x 8 ins. 11 ins. in the ground for Cor. to Secs. 25, 30, 31 <sup>and</sup> 36, marked with / notch on S. and 8 notches on W. edges and raised a mound of stone. alongside. Pits impracticable.

from which

A Pine 6 ins. diam. bears  $N. 17^{\circ} E.$ , 42 lbs. dist. marked T. 13 ~~W.~~, R. 17 E., S., 30 B. T.

## BOOK 1339

Chains.

A Pine 8 ins. diam. bears  $S. 15^{\circ} E$ , 74 lks. dist.  
marked T. 13N, R. 17E, S., 31 B. T.

A Pine 6 ins. diam. bears  $S. 74^{\circ} W$ , 45 lks. dist.  
marked T. 13N, R. 16E, S., 36 B. T.

A Pine 4 ins. diam. bears  $N. 44^{\circ} W$ , 50 lks. dist.  
marked T. 13N, R. 16E, S., 25 B. T.

Land rolling.

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

Heavy timber of Pine, Juniper & Cedar.

Undergrowth of same.

W. B. T. 13 N R. 17 E. G. &amp; S. R. M.

BOOK 1339

Chains.

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

Va. 13° 30' East.

Ascend.

- 7.00 Top of Spur, bears N. 70° W. and descend.
- 15.30 Cross Wash, 10 lks. wide, Course N. 80° W. and ascend.
- 36.50 Top of Spur, bears N. 70° W. and descend.
- 40.00 Set a Sand stone 20 x 16 x 12 ins., 15 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.
- from which
- A Cedar 4 ins. diam. bears N. 65° W., 30 lks. dist. marked  $\frac{1}{4}$  S. B. T.
- A Pine 4 ins. diam. bears N. 80° E., 41 lks. dist. marked  $\frac{1}{4}$  S. B. T.
- 70.50 Cross Creek, 25 lks. wide, Course N. 30° E. and ascend.
- 80.00 Set a Sand stone 30 x 18 x 6 ins. 22 ins. in the ground for Cor. to Secs. 19, 24, 25<sup>th</sup> and 30, marked with 2 notches on S. and 4 notches on N. edges and raised a mound of stone. alongside. Pits impracticable.
- from which

W. 13. T. 13 N. R. 17 E. G. &amp; S. R. M.

## BOOK 1339

Chains.

A Pine 6 ins. diam. bears  $N. 70^{\circ} E.$  55 lks. dist.  
marked T. 134, R. 17 E., S., 19 B. T.

A Pine 5 ins. diam. bears  $S. 66^{\circ} E.$  50 lks. dist.  
marked T. 134, R. 17 E., S., 30 B. T.

A Pine 10 ins. diam. bears  $S. 75^{\circ} W.$  9 lks. dist.  
marked T. 134, R. 16 E., S., 25 B. T.

A Pine 8 ins. diam. bears  $N. 23^{\circ} W.$  93 lks. dist.  
marked T. 134, R. 16 E., S., 24 B. T.

Land mountainous

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

Heavy timber of Pine, cedar and Juniper

Undergrowth of same

Chains.

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

Va. 13° 30' East.

Ascend.

2.10 Top of Spur, bears N. 80° E. and descend.

8.50 Cross Wash, 10 lks. wide, Course N. 50° E. and ascend.

39.00 Top of Spur, bears N. 70° E. and descend.

40.00 Set a sandstone 24 x 10 x 8 ins., 18 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. alongside. Pits impracticable.

from which

A Pine 9 ins. diam. bears N. 43 1/2° E., 67 lks. dist. marked 1/4 S. B. T.

A Pine 10 ins. diam. bears S. 21° W., 54 lks. dist. marked 1/4 S. B. T.

49.60 Cross Wash, 10 lks. wide, Course N. E. and ascend.

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

80.00 Set a sandstone 30 x 24 x 12 ins. 22 ins. in the ground for Cor. to Secs. 13, 18, 19<sup>24</sup> & 24, marked with 3 notches on S. and 3 notches on W. edges and raised a mound of stone. alongside. Pits impracticable. from which



Chains.

A Pine 8 ins. diam. bears  $N. 63^{\circ} E.$ , 15 lks. dist.  
marked T. 13N, R. 17E, S., 18 B. T.

A Pine 6 ins. diam. bears  $S. 41^{\circ} E.$ , 40 lks. dist.  
marked T. 13N, R. 17E, S., 19 B. T.

A Cedar 7 ins. diam. bears  $S. 75^{\circ} W.$ , 21 lks. dist.  
marked T. 13N, R. 16E, S., 24 B. T.

A Cedar 6 ins. diam. bears  $N. 41^{\circ} W.$ , 18 lks. dist.  
marked T. 13N, R. 16E, S., 13 B. T.

Land mountainous

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

Heavy timber of Pine and Cedar.

Undergrowth of Juniper.

40. B. T. 13 N. R. 17 E. G. & S. R. M.

BOOK 1339

Chains.

North on a true line between sections 13 and 18.

Va. 13° 30' East.

Descend.

14.00 Cross Wash, 6 lks. wide, Course N. 50° W. and ascend.

23.00 Top of Spur, bears N. 75° W. and descend.

40.00 Set a sand stone 26 x 18 x 6 ins., 19 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. face, and raised a mound of stone. alongside. Pits impracticable.

from which

A Pine 9 ins. diam. bears S. 38° E, 49 lks. dist. marked 1/2 S. B. T.

A Pine 10 ins. diam. bears N. 77 1/2° W, 40 lks. dist. marked 1/2 S. B. T.

80.00 Set a sand stone 24 x 12 x 10 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 and raised a mound of stone. alongside. Pits impracticable.

from which

A Pine 8 ins. diam. bears N. 30° E, 100 lks. dist. marked T. 13 1/2, R. 17 E, S., 7 B. T.

A Pine 6 ins. diam. bears S. 41° E, 59 lks. dist.

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BOOK 1339

Chains.

marked T. 134, R. 17 E, S., 18 B. T.

A Pine 6 ins. diam. bears S. 36 1/2° W., 32 lks. dist.

marked T. 134, R. 16 E, S., 13 B. T.

A Pine 10 ins. diam. bears N. 80° W., 41 lks. dist.

marked T. 134, R. 16 E, S., 12 B. T.

Land mountainous

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

Heavy timber of Pine, Cedar and Juniper.

Undergrowth of Juniper.

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

Va. 130 30' East.

Descend.

4.00 Cross Wash, 10 lks. wide, Course N. W. and ascend.

18.00 Top of Spur, bears N. 30° W. and descend.

40.00 Set a Sandstone 16 x 12 x 8 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.

from which

A Cedar 8 ins. diam. bears N. 85° E., 22 lks. dist.

marked 1/4 S. B. T.

Chains.

A Cedar 20 ins. diam. bears S. 86° W, 108 lks. dist.  
marked 1/4 S. B. T.

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

45.00 Cross Creek, 20 lks. wide, Course N. 10° E, and ascend.

71.00 Enter Timber, Bears. N. E. and S. W.

80.00 Set a sand stone 8 x 10 x 8 ins. 12 ins. in  
the ground for Cor. to Secs. 1, 6, 7<sup>and</sup> 12, marked  
with 5 notches on S. and 1 notch on ~~R~~ edges and  
raised a mound of stone. alongside. Pits impracticable.  
from which

A Pine 7 ins. diam. bears N. 15° E, 15 lks. dist.  
marked T. 1311, R. 17 E, S., 6 B. T.

A Pine 10 ins. diam. bears S. 46° W, 55 lks. dist.  
marked T. 1311, R. 16 E, S., 12 B. T.

A Pine 6 ins. diam. bears N. 60° W, 39 lks. dist.  
marked T. 1311, R. 16 E, S., 1 B. T.

No other trees within limits.

Land mountainous

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

Heavy timber of Pine, Cedar and Juniper.

Undergrowth of Juniper.

W. B. T. 13 N. R. 17 E. G. &amp; S. R. M.

Chains.

BOOK 1339

North on a true line between sections 1<sup>st</sup> & 6.Va.  $130^{\circ}30'$  East.

Ascend.

36.00 Top of Spur, bears  $N. 6^{\circ}$  and descend.40.00 Set a Sand stone  $20 \times 12 \times 8$  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.

from which

A Cedar 6 ins. diam. bears  $S. 82^{\circ} 6'$ , 38 lks. dist. marked  $\frac{1}{4}$  S. B. T.A Cedar 6 ins. diam. bears  $S. 64^{\circ} W$ , 38 lks. dist. marked  $\frac{1}{4}$  S. B. T.50.00 Cross Wash, 6 lks. wide, Course  $N. 60^{\circ} E$  and ascend.72.00 Top of Spur, bears  $N. 40^{\circ} E$  and descend.80.00 Set a Sand stone  $30 \times 20 \times 16$  ins. 22 ins. in the ground, for Cor. to Tps. 13 and 14 N., R's 16 and 17 E., marked with 6 notches on each edge, and raised a mound of stone. alongside. Pits impracticable.

from which

A Pine 7 ins. diam. bears  $N. 44^{\circ} E$ , 57 lks. dist. marked T. 14 N., R. 17 E., S. 31 B. T.

40. 13. T. 13 N. R. 17 E. G. & S. R. M.

BOOK 1339

Chains.

A Pine 6 ins. diam. bears S. 27° E, 43 lks. dist.  
marked T. 13 N., R. 17 E., S., 6 B. T.

A Pine 12 ins. diam. bears S. 65° W., 20 lks. dist.  
marked T. 13 N., R. 16 E., S., 1 B. T.

A Pine 18 ins. diam. bears N. 32° W., 100 lks. dist.  
marked T. 14 N., R. 16 E., S., 36 B. T.

Land mountainous

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

Heavy timber of Pine, Cedar and Juniper.

Undergrowth of Juniper.

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

April 3<sup>rd</sup> 1853.

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

## BOOK 1339

Chains.

Before proceeding further with the exteriors of this Twp., I made a change of ~~15~~ minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

I took the latitude and found it to be  $34^{\circ} 31' N$ .  
 From the Cor to Sp. 13+14 N. R. 16+17 E. just established  
 P. ~~13~~ 14 N. R. 16+17 E. just established

North on a true line between sections 31<sup>2nd</sup> & 36.

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

Descend.

- 4.50 Cross Wash, 6 lks. wide, Course N.E. and ascend.
- 34.50 Top of Spur, bears  $N. 50^{\circ} E.$  and descend.
- 40.00 Set a Sand stone  $40 \times 20 \times 6$  ins., 30 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. from which
- A Pine 4 ins. diam. bears  $N. 79^{\circ} W.$ , 43 lks. dist. marked  $\frac{1}{2}$  S. B. T.
- A Cedar 6 ins. diam. bears  $N. 89^{\circ} E.$ , 40 lks. dist. marked  $\frac{1}{2}$  S. B. T.
- 80.00 Set a Sand stone  $22 \times 10 \times 8$  ins. 16 ins. in

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

BOOK 1339

Chains.

the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on ~~D~~ edges and raised a mound of stone. alongside. Pits impracticable.

from which

A Pine 10 ins. diam. bears N. 54° E, 125 lks. dist.

marked T. 14 N., R. 17 E., S., 30 B. T.

A Pine 8 ins. diam. bears S. 35° E, 32 lks. dist.

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

A Pine 6 ins. diam. bears N. 52 1/2° W, 135 lks. dist.

marked T. 14 N., R. 16 E., S., 25 B. T.

A Cedar 6 ins. diam. bears S. 33° W, 80 lks. dist.

marked T. 14 N., R. 16 E., S., 26 B. T.

Land mountainous

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

Heavy timber of Pine, Cedar and Juniper.

Undergrowth of Juniper.



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

## BOOK 1339

Chains.

North on a true line between sections 25<sup>th</sup> and 30.Va.  $13^{\circ} 30'$  East.

Descend.

- 19.75 Cross Wash, 10 lks. wide, Course  $N. 10^{\circ} E$  and ascend.
- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for  $\frac{1}{4}$  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.
- 76.00 Top of Spur, bears  $N. 5^{\circ} E$  and descend.
- 80.00 Set a lime stone  $30 \times 14 \times 6$  ins. 22 ins. in the ground for Cor. to Secs. 19, 24, 25<sup>th</sup> and 30, marked with 2 notches on S. and 4 notches on W. edges and raised a mound of stone. alongside. Pits impracticable. from which
- A Pine 8 ins. diam. bears  $N. 2^{\circ} E$ , 33 lks. dist. marked T. 14 N., R. 17 E., S., 19 B. T.
- A Pine 6 ins. diam. bears  $S. 8^{\circ} E$ , 42 lks. dist. marked T. 14 N., R. 17 E., S., 30 B. T.
- A Pine 8 ins. diam. bears  $S. 55^{\circ} W$ , 49 lks. dist. marked T. 14 N., R. 16 E., S., 25 B. T.
- A Cedar 4 ins. diam. bears  $N. 46^{\circ} E$ , 51 lks. dist.

W. B. T. 14 N. R. 19 E. G. & S. R. M.

BOOK 1339

Chains.

marked T. 144, R. 176, S., 19 B. T.

Land mountainous

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

Heavy timber of Pine, Cedar and Juniper,

Undergrowth of same.

North on a true line between sections 19 and 24.

Va. 13° 30' East.

Descend.

22.50 Cross Wash, 10 lks. wide, Course N. 60° E. and ascend.

36.50 Top of Spur, bears N. 10° E. and descend.

40.50 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. from which

A Pine 6 ins. diam. bears N. 12° E., 12 lks. dist.

marked 1/4 S. B. T.

A Pine 10 ins. diam. bears S. 53° W., 50 lks. dist.

marked 1/4 S. B. T.

80.00 Set a lime stone 22 x 12 x 6 ins. 16 ins. in

the ground for Cor. to Secs. 18, 19, 19 and 24, marked

with 3 notch on S. and 3 notch on W. edges and

raised a mound of stone. alongside. Pits impracticable.

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

BOOK 1339

Chains.

*from which*

A Pine 10 ins. diam. bears  $N. 74^{\circ} W.$  33 lks. dist.  
marked T. 14 N, R. 16 E, S., 13 B. T.

A Pine 11 ins. diam. bears  $S. 23^{\circ} E.$  31 lks. dist.  
marked T. 14 N, R. 17 E, S., 19 B. T.

A Cedar 6 ins. diam. bears  $N. 57 \frac{1}{2}^{\circ} E.$  9 lks. dist.  
marked T. 14 N, R. 17 E, S., 18 B. T.

*No other trees within limits.*

*Land mountainous*

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

*Heavy timber of Pine, Cedar and Juniper.*

*Undergrowth of Oame.*

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

No. 1339

BOOK 1339

Chains.

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

Va. 13° 30' East.

Descend.

- 7.20 Cross Wash, 10 lks. wide, Course N. E. and ascend.
- 26.50 Top of Spur, bears N. 47° E. and descend.
- 40.00 Set a sand stone 20 x 12 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.
- from which
- A Pine 8 ins. diam. bears S. 74° E., 41 lks. dist. marked  $\frac{1}{2}$  S. B. T.
- A Pine 7 $\frac{1}{2}$  ins. diam. bears S. 89° W., 52 lks. dist. marked  $\frac{1}{2}$  S. B. T.
- 73.00 Cross Wash, 10 lks. wide, Course N. 30 E. and ascend.
- 80.00 Set a lime stone 24 x 16 x 6 ins. 18 ins. in the ground for Cor. to Secs. 7, 12, 13<sup>and</sup> 18, marked with 4 notches on S. and 2 notch 20 on N. edges and raised a mound of stone. alongside. Pits impracticable.
- Land mountainous
- Soil 2<sup>nd</sup> <sup>and</sup> 3<sup>rd</sup> rate,
- Heavy timber of Pine, Cedar <sup>and</sup> Juniper.
- Undergrowth of Juniper.

BOOK 1339

Chains.

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

Va. 13° 30' East.

Ascend.

40.00 Set a *lime* stone 18 x 10 x 6 ins., 12 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W<sup>th</sup> face, and raised a mound of stone, alongside. **Pits impracticable.**

57.50 Top of Spur, bears N. 30° E. and descend.

80.00 Set a *lime* stone 16 x 14 x 6 ins. 11 ins. in the ground for Cor. to Secs. 1, 6, 7<sup>th</sup> & 12, marked with 5 notches on S. and 1 notch on ~~W~~ edges and raised a mound of stone. alongside. **Pits impracticable.**  
Land rolling.

Soil 3<sup>rd</sup> rate

Undergrowth of Juniper.

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

BOOK 1339

Chains.

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

Va. 13° 30' East.

Descend.

40.00

Set a line stone 24 x 20 x 10 ins., 18 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.

49.00

Cross Wash, 6 lks. wide, Course  $71^{\circ} 30'$  E. and ascend.

80.00

Set a line stone 30 x 20 x 16 ins. 22 ins. in the ground, for Cor. to Tps. 14 and 15 N. R's 16 and 17 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 1<sup>st</sup> & 2<sup>nd</sup> rate

Undergrowth of Juniper. April 4<sup>th</sup> 1880.

BOOK 1339

Chains.

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

I took the latitude and found it to be  $34^{\circ} 37' N$   
From the Cor. to Secs 14 + 15 N. R. 16 + 17 E. just established  
Hence I run

North on a true line between sections 31 and 36.

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

Ascend.

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

51.00 Top of Spur, bears  $N. 30^{\circ} E.$  and descend.

80.00 Set a lime stone  $20 \times 10 \times 6$  ins. 18 ins. in  
the ground for Cor. to Secs. 25, 30, 31 and 36, marked  
with 1 notch on S. and 5 notches on W. edges and  
raised a mound of stone. alongside. Pits impracticable.  
Land rolling.

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

Vegetation, bunchgrass.

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

BOOK 1339

ains.

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

Va. 130 30' East:

Descend.

80.00 Cross Wash, 10 lks. wide, Course N 30 E and ascend.

40.00 Set a lime stone 26 x 12 x 5 ins., 19 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. alongside. Pits impracticable.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 19, 24, 25<sup>th</sup> & 30, marked T. N. W. S. 19, on N. E., R. 17 E, S. 30 on S. E. S. 25 on S. W. and S. 24 on N. W. faces; with 2 notch<sup>es</sup> on S. and 4 notch<sup>es</sup> on W. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land rolling.

Soil 3<sup>rd</sup> & 4<sup>th</sup> rate

Undergrowth of Cedar and Juniper.



BOOK 1339

Ch Chains.

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

Va. 14° 15' East

Descend.

22.25 Cross Wash, 8 lks. wide, Course  $N. 50^{\circ} E$  and ascend.

40.00 Set a *lime* stone 20 x 12 x 10 ins., 15 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.

55.00 Top of Spur, bears  $N. E.$  and descend.

70.90 Cross Wash, 20 lks. wide, Course  $N. 60^{\circ} E$  and ascend.

80.00 Set a *lime* stone 24 x 12 x 5 ins. 18 ins. in the ground for Cor. to Secs. 18, 19<sup>Sec</sup> 24, marked with 3 notches on S. and 3 notches on W. edges and raised a mound of stone. alongside. Pits impracticable. Land mountainous.

Soil 3<sup>rd</sup> rate

Undergrowth of Cedar.

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

BOOK 1339

ns.

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

Va. 14° 25' East.

Ascend.

1.00 Top of Spur, bears N. 50° E. and descend.

6.40 Cross Wash, 6 lks. wide, Course N. 60° E. and ascend.

9.00 Set a ~~small~~ stone 26 x 24 x 8 ins., 27 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 post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 7, 12, 13<sup>rd</sup> and 18, marked T. 15 N. S. 7, on N. E., R. 17 E., S. 18 on S. E., S. 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

Undergrowth of cedar.

BOOK 1339

Chains.

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

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

Ascend.

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

76.50 Top of Ridge, bears  $N. 80^{\circ} E$  and descend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone,  
12 ins. in the ground, for Cor. to Secs. 1, 6, 7 <sup>and 12,</sup>  
marked T. <sup>N. 16 E.</sup> U. 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 notches on S. and 1 notch on ~~2~~ edges;  
dug pits, 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

Land mountainous.

Soil 3<sup>m</sup> rate

Undergrowth of Cedar.

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

BOOK 1339

Chains.

North on a true line between sections 1 &amp; 6.

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

Descend.

24.50 Head of Ravine, Course N.E. and ascend

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone, 12 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{2}$  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.

69.00 Top of Ridge, bears N.  $20^{\circ}$  E. and descend.

80.00 Set a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor: to Tps. 15 and 16 N, R's 16 and 17 E. marked T, 16 N S. 31 on N. E. R. 17 E S: 6 on S. E. T. 15 N S. 1 on S, W, and R, 16 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 mountainous.

Soil 2<sup>nd</sup> & 3<sup>rd</sup> rateUndergrowth of cedar. April 5<sup>th</sup> 1883.

W. B. T. 16 N. R. 17 E. G. & S. R. M.

BOOK 1339

(Chains,

From the Cor. to Tps. 15<sup>th</sup> & 16<sup>th</sup> N. Rs. 16 & 17 E,  
previously set by me. I run,

North on a true line between sections 31 and 36,

Va. 14° 15' East.

Descend.

39.00 Cross Wash, 6 lks. wide, Course  $N. 30^{\circ} E$  and descend.

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

56.40 Cross Wash, 6 lks. wide, Course  $N. 30^{\circ} W$  and descend.

68.00 Cross Wash, 6 lks. wide, Course  $N. E.$  and ascend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 25, 30, 31 & 36,  
marked T. 16 N. S. 30, on N. E., R. 17 E., S. 31  
on S. E. S. 36 on S. W and S. 25 on N. W. face,  
with / notch on S. and S notch on N. edges;  
dug pits, 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

Land rolling.

Soil 2<sup>nd</sup> 4<sup>th</sup> & 3<sup>rd</sup> rate

Vegetation, bunchgrass.

40. B. T. 16 N. R. 17 E. G. &amp; S. R. M.

Chains.

BOOK 1339

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

Ascend.

4.00 Top of Spur, bears  $N 60^{\circ} E$  and descend.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
 12 ins. in the ground, for Cor. to Secs. 19, 24, 25<sup>th</sup> and 30,  
 marked T. 16 N. S. 19, on N. E., R. 17 E., S. 30  
 on S. E. S. <sup>R. 16 E.</sup> 25 on S. W. and S. 24 on N. W. face  
 with 2 notches on S. and 4 notches on N. edges;  
 dug pits, 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.,  
 and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
 around post.

Land mountainous.

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

Vegetation, bunchgrass and sagebrush.

W. B. T. 16 N. R. 17 E. G. & S. R. M.

BOOK 1339

Chains.

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

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

Descend.

25.60 Cross Wash, 8 lks. wide, Course  $N. 60^{\circ} E$  and ascend.

40.00 Set a lime stone  $20 \times 12 \times 10$  ins., 15 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.

74.00 Top of Spur, bears  $N. 80^{\circ} E$ , and descend.

80.00 Set a lime stone  $24 \times 10 \times 6$  ins. 18 ins. in the ground for Cor. to Secs. 13, 18, 19<sup>th</sup> & 24, marked with 3 notches on S. and 3 notches on N. edges and raised a mound of stone. alongside. Pits impracticable. Land mountainous.

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

Vegetation, bunchgrasses and orage-man.

W.B. T. 16 N R. 17 E. G. &amp; S. R. M.

BOOK 1339

Chains.

North on a true line between sections 13<sup>and</sup> 18.Va.  $14^{\circ} 20'$  East.

Descend.

- 17.00 Cross low Sag and ascend.
- 40.00 Set a line stone 16 x 8 x 7 ins., 11 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. alongside.
- 57.00 Top of Spur, bears N.  $70^{\circ}$  E. and descend.
- 68.10 Cross Creek, 50 lks. wide, Course N.  $70^{\circ}$  W. and ascend.
- 76.00 Top of Spur, bears N.  $70^{\circ}$  W. and descend.
- 80.00 Set a line stone 20 x 12 x 10 ins. 15 ins. in the ground for Cor. to Secs. 7, 12, 13<sup>and</sup> 18. marked with 4 notch  $\infty$  on S. and 2 notch  $\infty$  on W. edges and raised a mound of stone. alongside. Pits impracticable. Land mountainous.
- Soil 3<sup>rd</sup> rate
- Vegetation, bumegrass.



BOOK 1339

Chains.

North on a true line between sections 7 and 12.

Va.  $14^{\circ}$  N East

Descend.

30.90 To South bank of sink hole, 4.00 chs.  
wide, about 100 ft. deep, to avoid which  
I offset W. 2.00 chs, thence N. 4.00 chs,  
thence E. 2.00 chs, to line, thence N.

40.00 Set a lime stone  $22 \times 11 \times 6$  ins., 16  
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 lime stone  $24 \times 10 \times 8$  ins., 18 ins. in  
the ground for Cor. to Secs. 1, 6, 7 and 12, marked  
with 5 notches on S. and 1 notch on ~~W~~ edges and  
raised a mound of stone. alongside, Pits impracticable.  
Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, bunchgrass.

Chains.

North on a true line between sections 1 and 6.

Va.  $130\frac{1}{2}$  East.

Descend.

.57 To South bank of Cheolens Fork Cañon,

300 ft. deep, course N.  $60^{\circ}$  E. At this point, I build a stone mound, 3 ft. base and 3 ft. high, for witness corner, on line.

I then run a base E. of 3.50 chs, from which a point on line on N. bank of Cañon, bears N.  $20^{\circ} 30'$  W., making by calculation, a distance of 9.87 chs. across the cañon or a total distance

from cor. to secs. 1, 6, 7 and 12 of

9.94 To North bank of Cheolens Fork

Cañon, and build a stone mound, 3 ft. base and 3 ft. high, for witness corner on line.

40.00 Set a line stone  $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$  ins., 18

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.

W. B. T. 16 N R. 17 E. G. & S. R. M.

BOOK 1339

C Chains.

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

99.48 Intersect the 4<sup>th</sup> Standard Parallel North at a point 26.00 chs. West of the Standard Cor. to Tps. 17 N., R. 16 and 17 E., which is a sandstone, set firmly in the ground, marked with 6 notches on N, E and W Edges, with a stone mound in good order along side, and

Set a Sandstone 20 x 12 x 10 ins. 15 ins. in the ground, for Closing Cor. to Tps. 16 N., R's 16 and 17 E., marked C. C. with 6 notches on S, E, W edges, and raised a mound of stone, alongside.

Pits impracticable,  
Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation, Cuneegrass.

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

Henry Meyrick.

G. W. Pearson, Compassman.

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

For Trial Dates  
see book No. 187

## U. S. Surveyor General's Office,

Tucson, Arizona, *July 5*, 188*4*

The foregoing Field Notes of the Survey of the

*4<sup>th</sup> Auxiliary Guide Meridian*  
*Along West Boundary of*  
*T<sup>ps</sup>. 13. 14. 15 & 16 North*  
*Range 17 East*

Of the Gila and Salt River Base and Meridian, Arizona, execu-

ted by *Henry Meyrick*Deputy Surveyor, under his contract of the *28<sup>th</sup>*day of *July*, 188*4*, having been

critically examined and the necessary corrections and explana-

tions made, the said Field Notes and the surveys they describe

are hereby approved

*Royal Johnson*  
 Surveyor General.