

*Indexed  
Complete*

*See Index*

No. 1291

# FIELD-NOTES

*1/2* Standard Parallel along  
 The *2nd* Standard Parallel along  
 Township *9 North*  
 Range *20 21 22 23 East*

Gila and Salt River Meridian Arizona.

BY BOOK 1291

*C. D. Wheeler*, Deputy Surveyor,  
 under his contract of *July 17<sup>th</sup>* 188*2*.  
 Survey commenced *January 15<sup>th</sup>* 188*3*.  
 Survey completed *April 30<sup>th</sup>* 188*7*.

Platted by *No. 1291*

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1291

14  
Preliminary Oaths of Assistants.

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

BOOK 1291

\_\_\_\_\_, Compassman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 188\_\_\_\_\_

We, *Geo. F. Jowers* & *S. W. Brent*  
and *D. P. Warren* + *Wm. Haragan*,  
do solemnly swear that we will well and faithfully execute the

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

with instructions given us, in the survey of the 2<sup>nd</sup> Standard North, along S. B. Tps 9<sup>th</sup> & Rs 20, 21, 22 & 23 E, The 5<sup>th</sup> Auxiliary Guide Meridian West along T. 5<sup>th</sup>, Tps 9<sup>th</sup> & 10<sup>th</sup> & R 21 E. The Exterior and subdivision lines of Tps 9<sup>th</sup> & Rs 20, 21, 22 & 23 E, Tps 10<sup>th</sup> & Rs 21 & 22 E and the Exterior and subdivision lines of Tps 16<sup>th</sup> & Rs 11 & 30 E, Tps 17<sup>th</sup> & R 11 E, T. 18<sup>th</sup> & R 9 E, T. 22<sup>th</sup> & R 8 E, and the subdivisions of T. 16<sup>th</sup> & R 27 E, T. 17<sup>th</sup> & R 31 E & T. 18<sup>th</sup> & R 30 E, 31, & J. R. M

George F. Tower, Chainman.

S. N. Brent, Chainman.

Dwight P. Warren, Chainman.

William J. Langley, Chainman.

Subscribed and sworn to before me this 12<sup>th</sup>

day of January, 1883.

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

*J. B. F. King*

do solemnly swear that <sup>me</sup> I will well and truly perform the duties of axemen, in the establishment of corners and other duties, according to instructions given <sup>me</sup> us, and to the best of ~~our~~ <sup>my</sup> skill and ability, in the survey of *the 2<sup>nd</sup> Standard North along S.*

*B. Tps 9 & 10 R. S 20, 21, 22 & 23 E, Twp 5<sup>th</sup> 1<sup>st</sup> 1<sup>st</sup> Guide Meridian West, along W. B. Tps 9 & 10 N. R 21 E, The Exterior and subdivision lines of Tps 9 & 10 R. S 20, 21, 22 & 23 E, Tps 10 & 11 R. S 20, 21, 22 & 23 E, Tps 10 & 11 R. S 21 & 22 E and the Exterior and subdivision lines of Tps 16 & 17 R. S 11 & 30 E, Tps 17 & 18 R. S 11 E, Tps 18 & 19 R. S 22 & 23 E, and the subdivision lines of Tps 16 & 17 R. S 27 & 28 E, Tps 17 & 18 R. S 31 E & Tps 18 & 19 R. S 24 & 25 E.*

*J. B. F. King*

Axeman.

Axeman.

Subscribed and sworn to before me this *12<sup>th</sup>*

day of *January*, 1883.

*A. S. Schemaker*

U. S. Commissioner, 2<sup>d</sup> Judicial District, Arizona Territory.

I, Henry Turner

do solemnly swear that I will well and truly perform the duties of flagman, according to instructions given me, and to the best of

my skill and ability, in the survey of the 2<sup>nd</sup> Stand, north along S. B., Tps 9<sup>th</sup> & 10<sup>th</sup> R. S. 20, 21, 22 & 23 E. The 5<sup>th</sup> Auxiliary Mer. West along N. B., Tps 9 & 10 R. 21 E. The Exterior and subdivision lines of Tps 9<sup>th</sup> & 10<sup>th</sup> R. S. 20, 21, 22 & 23 E., Tps 10<sup>th</sup> & 21 & 22 E., and the exterior and subdivision lines of Tps 16<sup>th</sup> & 17<sup>th</sup> R. S. 11 & 30 E., Tps 17<sup>th</sup> & 18<sup>th</sup> R. S. 11 E., T. 18<sup>th</sup> N. R. 22 & 27 E., T. 17<sup>th</sup> & 18<sup>th</sup> R. S. 11 E., T. 18<sup>th</sup> N. R. 27 E., T. 17<sup>th</sup> & 18<sup>th</sup> R. S. 11 E., T. 18<sup>th</sup> N. R. 27 E., T. 17<sup>th</sup> & 18<sup>th</sup> R. S. 11 E., T. 18<sup>th</sup> N. R. 27 E.

Henry Turner, Flagman.

Subscribed and sworn to before me this 12<sup>th</sup>

day of January, 1883

A. E. Shumaker

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



4<sup>th</sup> Standard Parallel North along  
South bdy. T 17 N; R. 31 E. and

2<sup>nd</sup> Standard Parallel North  
along South bdis of T. 9 N.  
R's 20-21-22- & 23 East.

Whelan W. S.

1883

Index.

2 <sup>nd</sup> Parallel along.		
South Bdy T 9 <sup>n</sup> R 23 E		1
" " T 9 <sup>n</sup> R 22 E		11
" " T 9 <sup>n</sup> R 21 E		20
" " T 9 <sup>n</sup> R 20 E		29
4 <sup>th</sup> Parallel along.		
S Bdy T 17 N R 31 E		38

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S. B. T. 9 N. R. 23 E. G. & S. R. M.

No. 1291

Chains.

BOOK 1291

The instrument that I used in making this Survey was made by Otto Fennel of Cassel, Germany in 1881 and was carefully examined and tested on the true meridian at Tucson, Arizona on the 26<sup>th</sup> day of May 1882, and was also further tested by me, before commencing work and found to be in perfect adjustment. I took the latitude and found it to be 34° 05' North and proceed to survey as follows: —



S. B. T. 9 N. R. 23 E. G. &amp; S. R. M.

## BOOK 1291

Chains.

Standard  
From the Cor. to Tps. 9 N. Rs. 23 & 24 E,

which is a basalt stone, set firmly in  
the ground, marked S. C. with 6 notches  
on N. E. & W. edges, and with a  
stone mound, in good order, alongside,

from which

A Yellow Pine 27 ins. diam. bears  $N. 46^{\circ} E$ , 38 lks. dist.  
marked T. 94, R. 24 E, S. 31 B. T.

A Yellow Pine 30 ins. diam. bears  $N. 30^{\circ} W$ , 70 lks. dist.  
marked T. 94, R. 23 E, S. 36 B. T.

A Yellow Pine 9 ins. diam. bears  $S. 68^{\circ} E$ , 99 lks. dist.  
marked T. 84, R. 24 E, S. 6 B. T.

I run,

West. on a true line on S. B. of Section 36.

Va.  $11^{\circ} 00'$  East.

Descend.

9.00 Cross Wash, 9 lks. wide, Course  $N. 17^{\circ} W$  and ascend.

12.13 A Yellow Pine 10 ins. diam.

35.26 A Yellow Pine 30 ins. diam.

38.00 Top of Spur, bears  $N. 68^{\circ} W$  and descend.

Chains.

- 40.00 Set a Basalt stone 18 x 10 x 6 ins., 12 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  on N. face, and raise a mound of stone alongside. Pits impracticable. from which
- 1 Yellow Pine 12 ins. diam. bears S. 31° 25', 37 lbs. dist. marked  $\frac{1}{4}$  S. C.  $\frac{1}{4}$  S. B. T.
- 1 Yellow Pine 14 ins. diam. bears S. 15° E, 34 lbs. dist. marked  $\frac{1}{4}$  S. C.  $\frac{1}{4}$  S. B. T.
- 80.00 Set a Basalt stone 16 x 8 x 5 ins. 11 ins. in the ground for Standard Cor. to Secs. 35 and 36, marked S. C., with 1 notch on E. and 5 notches on W. edges and raised a mound of stone alongside. Pits impracticable. from which
- 1 Yellow Pine 7 ins. diam. bears N. 32° E, 34 lbs. dist. marked T. 9 N., R. 23 E., S., 36 B. T.
- 1 Yellow Pine 5 ins. diam. bears N. 65° 25', 59 lbs. dist. marked T. 9 N., R. 23 E., S., 35 B. T.
- 1 Yellow Pine 10 ins. diam. bears S. 40° 25', 50 lbs. dist. marked T. 5 N., R. 23 E., S., 2 B. T.
- 1 Yellow Pine 8 ins. diam. bears S. 52° E, 46 lbs. dist. marked T. 5 N., R. 23 E., S., 1 B. T.
- Land mountainous  
Soil 3<sup>rd</sup> rate,  
Heavy timber of Pine & Oak  
Undergrowth of cane.

S. B. T. 9 N. R. 23 E. G. &amp; S. R. M.

## BOOK 1291

Chains.

West. on a true line on S. B. of Section 35.

Va.  $13^{\circ} 50'$  East.

Descend.

26.00

A Yellow Pine 10 ins. diam.

40.00

Set a Basalt stone  $18 \times 9 \times 7$  ins., 12 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside. Pits impracticable. from which

A Yellow Pine 16 ins. diam. bears  $S. 10^{\circ} W$ , 50 lks. dist. marked  $\frac{S. C.}{\frac{1}{4}}$  S. B. T.

A Yellow Pine 23 ins. diam. bears  $N. 50^{\circ} E$ , 4 lks. dist. marked  $\frac{S. C.}{\frac{1}{4}}$  S. B. T.

71.80

A Yellow Pine 12 ins. diam.

80.00

Set a Basalt stone  $24 \times 16 \times 5$  ins. 10 ins. in the ground for Standard Cor. to Secs. 34 and 35 marked S. C., with 2 notches on E. and 4 notches on W. edges and raised a mound of stone alongside. Pits impracticable. from which

A Yellow Pine 17 ins. diam. bears  $N. 31^{\circ} E$ , 63 lks. dist. marked T. 9N, R. 23E, S., 35 B. T.

A Yellow Pine 24 ins. diam. bears  $N. 24^{\circ} W$ , 14 lks. dist. marked T. 9N, R. 23E, S., 34 B. T.

Chains.

A Yellow Pine 20 ins. diam. bears  $N. 36^{\circ} W.$  27 lks. dist.

marked  $T. 87$  R. 206, S., 3 B. T.

Land mountainous

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

Heavy timber of Pine & Oak.

Undergrowth of same.

West on a true line on  $S. B.$  of Section 34.

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

Descend.

17.40 A Yellow Pine 10 ins. diam.

40.00 Set a basalt stone  $24 \times 16 \times 8$  ins., 18 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside. Pits impracticable. from which

A Yellow Pine 16 ins. diam. bears  $S. 33^{\circ} E.$  19 lks. dist. marked  $S. C.$   $\frac{1}{4}$  S. B. T.

A Yellow Pine 20 ins. diam. bears  $N. 15^{\circ} W.$  42 lks. dist. marked  $S. C.$   $\frac{1}{4}$  S. B. T.

59.25 Cross Wash, 20 lks. wide, Course  $N. 50^{\circ} W.$  and ascend.

75.00 A Yellow Pine 24 ins. diam.

80.00 Set a basalt stone  $17 \times 10 \times 7$  ins. 11 ins. in the ground for Standard Cor. to Secs. 33 and 34.

S. 13 T. 9 N. R. 23 E. G. & S. R. M.

BOOK 1291

Chains,

marked S. C., with 3 notches on E. and 3 notches on W. edges and raised a mound of stone. alongside.

Pits impracticable.

from which

A Yellow Pine 18 ins. diam. bears N. 40° E, 190 lbs. dist.

marked T. 9 N., R. 23 E, S., 34 B. T.

A Yellow Pine 30 ins. diam. bears N. 39° W, 52 lbs. dist.

marked T. 9 N., R. 23 E, S., 33 B. T.

A Yellow Pine 9 ins. diam. bears S. 19° W, 64 lbs. dist.

marked T. 9 N., R. 23 E, S., 4 B. T.

Land mountainous

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

Heavy timber of Pine & Oak.

Undergrowth of same.

## S. B. T. 7 N. R. 23 E. G. &amp; S. R. M.

BOOK 1291

Chains.

West. on a true line on S. B. of Section 33.

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

Ascend.

20.00 Top of Spur, bears  $N. 48^{\circ} W.$  and descend.

26.00 1 Yellow Pine 14 ins. diam.

40.00 Set a basalt stone  $25 \times 11 \times 9$  ins., 19 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside. Pits impracticable. from which1 Yellow Pine 8 ins. diam. bears  $S. 31^{\circ} E.$ , 49 lks. dist. marked  $\frac{S. C.}{4}$  S. B. T.1 Yellow Pine 13 ins. diam. bears  $N. 11^{\circ} E.$ , 65 lks. dist. marked  $\frac{S. C.}{4}$  S. B. T.

69.00 A Spring, bears North, 85 lks. dist.

80.00 Set a basalt stone  $24 \times 13 \times 10$  ins. 18 ins. in the ground for Standard Cor. to Secs. 32 and 33, marked S. C., with 4 notches on E. and 2 notches on W. edges and raised a mound of stone alongside. Pits impracticable. from which1 Yellow Pine 20 ins. diam. bears  $N. 46^{\circ} E.$ , 100 lks. dist. marked T. 9 N., R. 23 E., S., 33 B. T.1 Yellow Pine 21 ins. diam. bears  $N. 33^{\circ} W.$ , 89 lks. dist.

S. B. T. 9 N. R. 23 E. G. &amp; S. R. M.

BOOK 1291

Chains.

marked T. 9 N., R. 23 E., S., 32 B. T.

A Yellow Pine 30 ins. diam. bears  $S. 20^{\circ} E.$  9 lks. dist.

marked T. 9 N., R. 23 E., S., 4 B. T.

Land mountainous

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

Heavy timber of Pine and Oak.

Undergrowth of same.

West. on a true line on  $S.$  B. of Section 32.Va.  $13^{\circ} 42'$  East.

Descend.

5.10 A Yellow Pine 15 ins. diam

22.00 Cross Creek, 20 lks. wide, Course  $N. 30^{\circ} W.$  and ascend.38.12 Top of Spur, bears  $N. 51^{\circ} W.$  and descend.40.00 Set a Casart stone  $19 \times 11 \times 5$  ins., 14  
ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside.  
Pits impracticable, from whichA Yellow Pine 16 ins. diam. bears  $N. 25^{\circ} W.$  19 lks. dist.marked  $S. 6.$   
 $\frac{1}{4}$  S. B. T.A Yellow Pine 30 ins. diam. bears  $S. 41^{\circ} E.$  85 lks. dist.

marked S. C. 14 S. B. T.

Chains.

80.00

Set a Basalt stone 17 x 12 x 4 ins. 14 ins. in the ground for Standard Cor. to Secs. 31 and 32 marked S. C., with 5 notches on E. and 1 notch on W. edges and raised a mound of stone. alongside.  
 Pits impracticable. from which

A Yellow Pine 8 ins. diam. bears N. 31° E, 104 lks. dist. marked T. 9 N., R. 23 E., S., 32 B. T.

A Yellow Pine 16 ins. diam. bears N. 34° W, 76 lks. dist. marked T. 9 N., R. 23 E., S., 31 B. T.

A Yellow Pine 24 ins. diam. bears S. 42° W, 16 lks. dist. marked T. 8 N., R. 23 E., S., 6 B. T.

Land mountainous

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

Heavy timber of Pine & Oak,

Undergrowth of same.



7  
2<sup>nd</sup> Standard Parallel along  
S. B. T. 9 N. R. 23 E. G. & S. R. M.

BOOK 1291

Chains.

West. on a true line on S. B. of Section 31.

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

Descend.

12.12 Cross Road, bears  $N. 42^{\circ} W.$

40.00 Set a basalt stone  $4 \times 11 \times 7$  ins., 9  
ins. in the ground, for Standard  $\frac{1}{2}$  Sec. Cor., marked S.  
C.  $\frac{1}{2}$  on N. face, and raised a mound of stone alongside.  
Pits impracticable. from which

A Yellow Pine 16 ins. diam. bears  $S. 10^{\circ} E.$ , 27 lks. dist.  
marked  $\frac{S. C.}{\frac{1}{2}}$  S. B. T.

A Yellow Pine 14 ins. diam. bears  $N. 62^{\circ} E.$ , 59 lks. dist.  
marked  $\frac{S. C.}{\frac{1}{2}}$  S. B. T.

58.20 Cross Wash, 8 lks. wide, Course  $N. 52^{\circ} W.$  and ascend.

80.00 Set a basalt stone  $26 \times 16 \times 12$  ins. 19 ins. in the  
ground, for Standard Cor. to Tps. 9N., R's 22 and  
23E., marked S. C. with 6 notches on  $N. E. W.$  edges,  
and raised a mound of stone, alongside.

Pits impracticable, from which

A Yellow Pine 14 ins. diam. bears  $N. 76^{\circ} E.$ , 44 lks. dist.  
marked T. 9N., R. 23E., S., 31 B. T.

A Yellow Pine 15 ins. diam. bears  $N. 55^{\circ} W.$ , 125 lks. dist.  
marked T. 9N., R. 22E., S., 36 B. T.

2<sup>nd</sup> Standard Parallel along  
S. B. T. 9 N. R. 23 E. G. & S. R. M.

BOOK 1291

Chains.

1 Yellow Pine 8 ins. diam. bears  $N. 29^{\circ} E.$  75 lks. dist.

marked T. P. M., R. 23 E. S., 6 B. T.

Land mountainous

Soil good rate,

Heavy timber of Pine & Oak.

Undergrowth of same.

January 15<sup>th</sup> 1853.

## BOOK 1291

Chains.

From the Stand cor of <sup>Thp 9<sup>th</sup></sup> ~~Thp 9<sup>th</sup>~~  
 No 22 & 23 E, just established by me  
 I run West. on a true line on S. B. of Section 36.

Va. 13° 45' East.

Descend.

- 7.20 Cross Wash, 9 lks. wide, Course  $N. 20^{\circ} W.$  and ascend.
- 14.60 A Yellow Pine 10 ins. diam.
- 34.96 Top of Spur, bears  $N. 17^{\circ} W.$  and descend.
- 40.00 Set a Sand stone 20 x 10 x 8 ins., 15  
 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
 C.  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside.  
 Pits impracticable. from which
- A White Oak 7 ins. diam. bears  $N. 62^{\circ} E.$  47 lks. dist.  
 marked  $\frac{1}{4}$  S. C.  
 $\frac{1}{4}$  S. B. T.
- A Yellow Pine 12 ins. diam. bears  $S. 60^{\circ} W.$  41 lks. dist.  
 marked  $\frac{1}{4}$  S. C.  
 $\frac{1}{4}$  S. B. T.
- 62.85 A White Oak 11 ins. diam.
- 67.90 Cross Wash, 7 lks. wide, Course  $N.$  and ascend.
- 80.00 Set a Sand stone 20 x 12 x 9 ins. 15 ins. in  
 the ground for Standard Cor. to Secs. 35 and 36,  
 marked S. C., with 1 notch on E. and 5 notches on  
 W. edges and raised a mound of stone. alongside.  
 Pits impracticable. from which
- A White Oak 6 ins. diam. bears  $S. 49^{\circ} W.$  110 lks. dist.

Chains.

marked T. 8<sup>th</sup>, R. 22<sup>E</sup>, S., 2 B. T.

A Yellow Pine 5 ins. diam. bears N. 42° E, 66 lks. dist.

marked T. 9<sup>th</sup>, R. 22<sup>E</sup>, S., 36 B. T.

A Yellow Pine 20 ins. diam. bears N. 69° W, 92 lks. dist.

marked T. 9<sup>th</sup>, R. 22<sup>E</sup>, S., 35 B. T.

Land mountainous

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

Heavy timber of Pine and Oak.

Undergrowth of same.

West, on a true line on S. B. of Section 35.

Va. 13° 45' East.

Ascend.

12.00 Cross Road from Snowflake to Apache, bears N. 13° W.

35.90 A Yellow Pine 14 ins. diam.

41.00 Set a sand stone 16 x 11 x 9 ins.; 11 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside.

Pits impracticable. from which

A Yellow Pine 16 ins. diam. bears S. 55° W, 30 lks. dist.

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

A Yellow Pine 19 ins. diam. bears N. 11° W, 76 lks. dist.

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

Chains.

66.27 A Yellow Pine 31 ins. diam.

71.50 Top of Ridge, bears N. 32° W. and descend.

80.00 Set a sand stone 28 x 10 x 7 ins. 21 ins. in the ground for Standard Cor. to Secs. 34 and 35, marked S. C., with 2 notch<sub>ed</sub> on E. and 4 notch<sub>ed</sub> on W. edges and raised a mound of stone. alongside.

Pits impracticable. from which

A White Oak 7 ins. diam. bears N. 43° E, 9 lks. dist. marked T. 91, R. 22 E, S., 35 B. T.

A White Oak 4 ins. diam. bears N. 47° W, 11 lks. dist. marked T. 91, R. 22 E, S., 34 B. T.

A White Oak 8 ins. diam. bears N. 22° W, 52 lks. dist. marked T. 81, R. 22 E, S., 9 B. T.

Land mountainous

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

Heavy timber of Pine & Oak.

Undergrowth of same.

Chains.

West. on a true line on S. B. of Section 34.

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

Descend.

41.00 Head of Wash, Course  $N. 75^{\circ}W$  and ascend

7.72 A Yellow Pine 8 ins. diam.

40.00 Set a sand stone  $20 \times 13 \times 5$  ins., 15 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside.

Pits impracticable. from which

A White Oak 6 ins. diam. bears  $N. 14^{\circ}E$ , 35 lks. dist. marked  $\frac{1}{4}$  S. C. S. B. T.A White Oak 5 ins. diam. bears  $N. 14^{\circ}W$ , 40 lks. dist. marked  $\frac{1}{4}$  S. C. S. B. T.41.00 Top of Spur, bears  $N. 50^{\circ}W$  and descend.65.40 Cross Wash, 10 lks. wide, Course  $S. 7^{\circ}W$  and ascend.72.00 Top of Spur, bears  $N$ , and descend.80.00 Set a sand stone  $18 \times 10 \times 7$  ins. 12 ins. in the ground for Standard Cor. to Secs. 33 and 34, marked S. C., with 3 notches on E. and 3 notches on W. edges and raised a mound of stone alongside.

Pits impracticable.

from which

BOOK 1291

Chains,

A White Oak 8 ins. diam. bears  $N. 51^{\circ} E$ , 12 lks. dist.  
marked T. 91, R. 22 E, S., 34 B. T.

A Yellow Pine 15 ins. diam. bears  $N. 23^{\circ} W$ , 137 lks. dist.  
marked T. 91, R. 22 E, S., 33 B. T.

A Yellow Pine 7 ins. diam. bears  $N. 24^{\circ} W$ , 32 lks. dist.  
marked T. 81, R. 22 E, S., 4 B. T.

Land mountainous

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

Heavy timber of Pine and Oak.

Undergrowth of same.

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West. on a true line on S. B. of Section 33.

Va. 13<sup>o</sup> 31' East.

Descend.

37.60 Cross Wash, 7 lks. wide. Course  $e$  and ascend.

40.00 Set a Sand stone 14 x 10 x 5 ins., 9  
ins. in the ground for Standard  $\frac{1}{2}$  Sec. Cor., marked S.

C.  $\frac{1}{4}$  on N. face, dug pits 18 x 18 x 12 ins.,  $E$  and  $W$ ,  
of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft.  
high,  $3\frac{1}{2}$  ft. base, alongside. from which

A Yellow Pine 20 ins. diam. bears  $N. 38^{\circ} E$ , 65 lks. dist.  
marked  $\frac{1}{4}$  S. C. S. B. T.

Chains.

A Yellow Pine 10 ins. diam. bears  $S. 47^{\circ} W.$ , 62 lks. dist.  
 S. C.  
 marked  $\frac{1}{4}$  S. B. T.

53.50 Top of Ridge, bears  $N. 35^{\circ} E.$  and descend.

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

80.00 Set a Sand stone  $25 \times 10 \times 7$  ins. 19 ins. in  
 the ground for Standard Cor. to Secs. 32 and 33,  
 marked S. C., with 4 notches on E. and 2 notches on  
 W. edges and raised a mound of stone. alongside.

Pits impracticable. from which

A Yellow Pine 7 ins. diam. bears  $N. 61^{\circ} E.$ , 75 lks. dist.  
 marked T. 911, R. 22 E, S., 33 B. T.

A Yellow Pine 10 ins. diam. bears  $N. 53^{\circ} W.$ , 43 lks. dist.  
 marked T. 911, R. 22 E, S., 32 B. T.

A Yellow Pine 6 ins. diam. bears  $S. 35^{\circ} W.$ , 58 lks. dist.  
 marked T. 911, R. 22 E, S., 5 B. T.

Land mountainous

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

Heavy timber of Pine & Oak.

Undergrowth of same.



Chains.

West. on a true line on S. B. of Section 32.

Va. 13° 25' East.

Ascend.

15.00 Top of Spur, bears N. 47° E. and descend.

40.00 Set a sandstone 16 x 12 x 5 ins., 11 ins. in the ground, for Standard 1/4 Sec. Cor., marked S. C. 1/4 on N. face, and raised a mound of stone alongside. Pits impracticable. from which

A Yellow Pine 14 ins. diam. bears N. 58° W, 35 lks. dist. marked <sup>S. C.</sup> 1/4 S. B. T.

No other trees within limits.

41.70 Cross Wash, 5 lks. wide, Course S. 10° W and ascend.

80.00 Set a sandstone 16 x 10 x 10 ins. 11 ins. in the ground for Standard Cor. to Secs. 31 and 32 marked S. C., with 5 notches on E. and 1 notch on W. edges and raised a mound of stone alongside.

Pits impracticable. from which

A Juniper 8 ins. diam. bears N. 13° W, 154 lks. dist. marked T. 9 N., R. 22 E., S., 31 B. T.

A Yellow Pine 14 ins. diam. bears N. 46° E, 104 lks. dist. marked T. 9 N., R. 22 E., S., 32 B. T.

A Live Oak 12 ins. diam. bears S. 53° E, 77 lks. dist.

Chains.

marked T. 84, R. 22 E, S., 5 B. T.

Land mountainous

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

Heavy timber of Pine, Oak and Juniper.  
Undergrowth of same.

---

West. on a true line on S. B. of Section 31.

Va. 120 15 East.

Ascend.

22.11 Top of Spur, bears N. 37° E. and descend.

37.40 Cross Wash, 6 lks. wide, Course S. 40 W. and ascend.

40.00 Set a sand stone 17 x 14 x 6 ins., 11  
ins. in the ground, for Standard  $\frac{1}{2}$  Sec. Cor., marked S.  
C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside.  
Pits impracticable. from which

1 Yellow Pine 14 ins. diam. bears S. 34° W., 45 lks. dist.  
marked  $\frac{S. C.}{4}$  S. B. T.

1 Yellow Pine 16 ins. diam. bears N. 8° E., 71 lks. dist.  
marked  $\frac{S. C.}{4}$  S. B. T.

48.08 1 Yellow Pine 40 ins. diam.

78.40 Cross Wash, 10 lks. wide, Course S. 20 W. and ascend.

80.00 Set a sand stone 30 x 12 x 7 ins. 22 ins. in the

BOOK 1291

chains.

ground, for <sup>Standard</sup> Cor. to Tps. 9N., R's 21 and 22E., marked, S. C. with 6 notches on N. E. & W. edges, and raised a mound of stone, alongside.

Pits impracticable, from which

A Yellow Pine 18 ins. diam. bears  $N. 77^{\circ} E.$ , 55 lks. dist. marked T. 9N., R. 22E., S., 31 B. T.

A Yellow Pine 23 ins. diam. bears  $N. 70^{\circ} W.$ , 73 lks. dist. marked T. 9N., R. 21E., S., 36 B. T.

A Yellow Pine 36 ins. diam. bears  $S. 52^{\circ} W.$ , 45 lks. dist. marked T. 8N., R. 21E., S., 1 B. T.

Land mountainous

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

Heavy timber of Pine, Oak & Juniper.

Undergrowth of Same,

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

January 16<sup>th</sup> 1883.

Chains.

From the Stand Cor by Tps 9 N.  
 Rs 21 & 22 E. Just established by me  
 Iron West. on a true line on S. B. of Section 36.

Va.  $130^{\circ}50'$  East.

Ascend.

33.00 Top of Spur, bears  $N. 40^{\circ} E.$  and descend.

40.00 Set a Sand stone  $16 \times 14 \times 14$  ins., 11  
 ins. in the ground, for Standard  $\frac{1}{2}$  Sec. Cor., marked S.  
 C.  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside.  
 Pits impracticable. from which

A Yellow Pine 5 ins. diam. bears  $N. 57^{\circ} E.$ , 34 lbs. dist.  
 S. C.  
 marked  $\frac{1}{4}$  S. B. T.

A Yellow Pine 7 ins. diam. bears  $N. 16^{\circ} W.$ , 28 lbs. dist.  
 S. C.  
 marked  $\frac{1}{4}$  S. B. T.

62.70 A Yellow Pine 19 ins. diam.

74.06 Cross Wash, 10 lbs. wide, Course  $S. W.$  and ascend.

80.00 Set a Sand stone  $19 \times 15 \times 9$  ins. 14 ins. in  
 the ground for Standard Cor. to Secs. 35 and 36,  
 marked S. C., with 1 notch on E. and 5 notches on  
 W. edges and raised a mound of stone. alongside.  
 Pits impracticable. from which

A Juniper 7 ins. diam. bears  $S. 21^{\circ} E.$ , 62 lbs. dist.  
 marked T. 84, R. 21 E, S., 1 B. T.

No other trees within limits.

BOOK 1291

Chains.

Land mountainous

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

Heavy timber of Pine, Juniper & Oak.  
Undergrowth of same.

West. on a true line on S. B. of Section 35.

Va. 120°30' East.

Ascend.

14.50 Top of Spur, bears N. 46° E. and descend.

40.00 Set a sand stone 30 x 24 x 11 ins., 22 ins. in the ground, for Standard 1/4 Sec. Cor., marked S. C. 1/2 on N. face, and raised a mound of stone alongside. Pits impracticable. from which

A Yellow Pine 10 ins. diam. bears N. 2° W, 50 lks. dist. marked 1/2 S. C. S. B. T.

A Yellow Pine 12 ins. diam. bears S. 70° E, 12 lks. dist. marked 1/2 S. C. S. B. T.

54.00 Cross Creek, 23 lks. wide, Course S. 36° W and ascend.

63.10 Top of Spur, bears N. 40° E. and descend.

72.00 Foot of hill, bears N. 53° W. & still ascends.

80.00 Set a sand stone 22 x 12 x 12 ins. 16 ins. in the ground for Standard Cor. to Secs. 34 and 35 marked S. C., with 2 notches on E. and 4 notches on

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Chains.

W. edges and raised a mound of stone. alongside.  
Pits impracticable.

Land mountainous

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

Heavy timber of Pine, Oak and juniper.  
Undergrowth of same.

West. on a true line on S. B. of Section 34.

Va. 130° 30' East.

Descend.

.44 Cross Creek, 10 lks. wide, Course N. 80° W. and descend.

8.00 Cross Fence, bears, N. 40° W. & enter field.

39.10 Cross Creek, 14 lks. wide, Course S. 66° W. and ascend.

40.00 Set a sand stone 17 x 13 x 8 ins., 11  
ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
C.  $\frac{1}{2}$  on N. face, and raised a mound of stone. alongside.  
Pits impracticable.

68.00 Cross Fence, bears, N. 40° W. and lean field.

80.00 Set a post, 4 ft. long, 4 ins. square, 12 ins. in the  
ground, for Standard Cor. to Secs. 33 and 34, marked S. C.

T. 9 N., R. 21 E., on N. S. 34 on E. and S. 33 on  
W. faces, with 3 notches on E. and 3 notches  
on W. faces, dug pits 18 x 18 x 12 ins. N. E. of post,  
5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2  
ft. base around post.

Standard Parallel along  
S. B. T. 9 N. R. 21 E. G. & S. R. M.

BOOK 1291

Chains.

from which

A Yellow Pine 16 ins. diam. bears  $N. 42^{\circ} E.$ , 54 lks. dist.  
marked T. 9N., R. 21E., S., 34 B. T.

A Yellow Pine 4 ins. diam. bears  $S. 52^{\circ} W.$ , 29 lks. dist.  
marked T. 8N., R. 21E., S., 4 B. T.

No other trees within limits.

Land rolling.

Soil / at  $\frac{1}{2}$  <sup>mi</sup> 200 rate.

Timber of Pine and Oak.

Vegetation bunchgrass.

S. B. T. 9 N. R. 21 E. G. & S. R. M.

BOOK 1291

Chains.

West. on a true line on S. B. of Section 33,

Va. 18° 30' East.

Descend.

4.90 Cross Road, bears, N. 44° E

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

A Yellow Pine 12 ins. diam. bears N. 63° E, 171 lks. dist. marked 1/4 S. C. S. B. T.

A Yellow Pine 8 ins. diam. bears S. 69° W, 104 lks. dist. marked 1/4 S. C. S. B. T.

73.00 Cross Road, bears, N. 60° W

74.10 Cross Wash, 6 lks. wide, Course E and ascend.

80.00 Set a post, 4 ft. long, 4 ins. square, <sup>with marked stone</sup> 12 ins. in the ground, for Standard Cor. to Secs. 32 and 33 marked S. C.

T. 9 N. R. 21 E., on N. S. 33 on E, and S. 32 on W. faces, with 4 notches on E, and 2 notches on W. faces, dug pits 18 x 18 x 12 ins. N. E. of post, 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post. from which



BOOK 1291

Chains.

A Yellow Pine 12 ins. diam. bears N. 33° E, 134 lbs. dist.  
marked T. 74, R. 216, S., 33 B. T.

A Yellow Pine 10 ins. diam. bears S. 53° W, 44 lbs. dist.  
marked T. 54, R. 216, S., 5 B. T.

No other trees within limits.

Land rolling.

Soil 1<sup>st</sup>  $\frac{1}{2}$  2<sup>nd</sup> rate.

Timber of Pine and Juniper.

Vegetation, bunchgrass.

---

West. on a true line on E. B. of Section 22,

Va. 13' 30' East.

Ascend.

40.00 A Live Oak 10 ins. diam. which I marked  $\frac{1}{2}$  S. C.  
Standard  
on N. face, for  $\frac{1}{4}$  sec. cor., dug pits, 18 x 18 x 12 ins.  
E. and W. of tree, 5 $\frac{1}{2}$  ft. dist. and raised a mound  
of earth around tree.

from which

A Yellow Pine 13 ins. diam. bears N. 25° E, 47 lbs. dist.  
marked  $\frac{1}{2}$  S. C. S. B. T.

No other trees within limits.

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

Chains.

80.00

Set a sand stone  $21 \times 13 \times 8$  ins. 16 ins. in  
the ground for Standard Cor. to Secs. 31 and 32  
marked S. C., with 5 notches on E. and 1 notch on  
W. edges and raised a mound of stone. alongside.  
Pits impracticable. from which

A Yellow Pine 17 ins. diam. bears  $N. 52^{\circ} W.$ , 97 lks. dist.  
marked T. 94, R. 21 E, S., 31 B. T.

A Yellow Pine 20 ins. diam. bears  $N. 39^{\circ} E.$ , 71 lks. dist.  
marked T. 94, R. 21 E, S., 32 B. T.

No other trees within limits.

Land mountainous

Soil ~~good~~ rate.

Timber of Pine and Oak,  
Vegetation, bunchgrass.

Chains: **BOOK 1291**

West. on a true line on S. B. of Section 31.

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

Descend.

40.00 Set a sand stone  $18 \times 18 \times 9$  ins., 12 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside. Pits impracticable. from which

A Yellow Pine 24 ins. diam. bears  $N. 51^{\circ} E$ , 72 lks. dist. S. C. marked  $\frac{1}{4}$  S. B. T.

A Yellow Pine 36 ins. diam. bears  $N. 22^{\circ} N$  5 lks. dist. S. C. marked  $\frac{1}{4}$  S. B. T.

45.81 <sup>bottomwood</sup> Cross Creek, 20 lks. wide, Course  $E$  and ascend.

72.00 Cross Wash, 9 lks. wide, Course  $S. 47^{\circ} E$ .

80.00 Set a sand stone  $20 \times 16 \times 10$  ins. 15 ins. in the ground, for Standard Cor. to Tps. 9 N., R's 20 and 21 E., marked S. C. with 6 notches on N. E. & W. edges, and raised a mound of stone, alongside.

Pits impracticable, from which

A Yellow Pine 7 ins. diam. bears  $N. 53^{\circ} E$ , 27 lks. dist. marked T. 9 N., R. 21 E., S., 31 B. T.

A Yellow Pine 11 ins. diam. bears  $N. 76^{\circ} 25' 96$  lks. dist. marked T. 9 N., R. 20 E., S., 36 B. T.

Chains.

A Yellow Pine 9 ins. diam. bears S. 19° E, 50 lbs. dist.  
marked T. 8 N., R. 21 E., S., 6 B. T.

Land mountainous

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

Heavy timber of Pine & Oak.

Undergrowth of some <sup>new</sup> Manzanita.

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

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

## BOOK 1291

## Chains.

From the - Standard Cor. to Secs 9 & 20,  
 Nos 20 & 21 E. just established by me,  
 Iron West. on a true line on S. B. of Section 36

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

Ascend.

33.40 Cross Wash, 10 lks. wide, Course  $N. 60^{\circ} E$  and ascend.

40.00 Set a Sand stone  $16 \times 10 \times 4$  ins., 11  
 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
 C.  $\frac{1}{2}$  on N. face, and raised a mound of stone alongside.  
 Pits impracticable. from which

A Yellow Pine 9 ins. diam. bears  $N. 43^{\circ} E$ , 52 lks. dist.  
 marked  $\frac{S. C.}{4}$  S. B. T.

A White Oak 12 ins. diam. bears  $N. 82^{\circ} W$ , 52 lks. dist.  
 marked  $\frac{S. C.}{4}$  S. B. T.

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

80.00 Set a Sand stone  $20 \times 12 \times 8$  ins. 10 ins. in  
 the ground for Standard Cor. to Secs. 35 and 36,  
 marked S. C., with 1 notch on E. and 5 notches on  
 W. edges and raised a mound of stone alongside.  
 Pits impracticable. from which

A Yellow Pine 6 ins. diam. bears  $N. 61^{\circ} E$ , 20 lks. dist.  
 marked T. 911, R. 20 E, S., 36 B. T.

A Yellow Pine 10 ins. diam. bears  $N. 58^{\circ} W$ , 42 lks. dist.  
 marked T. 911, R. 20 E, S., 35 B. T.

Chains.

A Yellow Pine 8 ins. diam. bears  $S. 44^{\circ} 15'$ , 99 lks. dist.  
marked T. S. N., R. 20 E., S., 2 B. T.

Land mountainous

Soil good rate,

Heavy timber of Pine and Oak,

Undergrowth of Sarsaparilla Manzanita.

West. on a true line on S. B. of Section 35.

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

Descend.

5.20 Cross Gulch, 30 lks. wide, Course  $N. 60^{\circ} E.$  and ascend.31.00 Top of Ridge, bears  $N. 24^{\circ} S.$  and descend.

40.00 Set a sandstone  $16 \times 12 \times 8$  ins., 11  
ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside.

Pits impracticable. from which

A Yellow Pine 8 ins. diam. bears  $N. 30^{\circ} E.$ , 34 lks. dist.  
marked  $S. C. \frac{1}{4}$  S. B. T.

A Yellow Pine 10 ins. diam. bears  $S. 5^{\circ} E.$ , 27 lks. dist.  
marked  $S. C. \frac{1}{4}$  S. B. T.

60.13 Cross Wash, 18 lks. wide, Course  $S. 31^{\circ} W.$  and ascend.

80.00 Set a sandstone  $16 \times 8 \times 4$  ins. 11 ins. in  
the ground for Standard Cor. to Secs. 34 and 35.

S. B. T. 9 N. R. 20 E. G. & S. R. M.

BOOK 1291

Chains.

marked S. C., with 2 notch  $\infty$  on E. and 4 notch  $\infty$  on  
W. edges and raised a mound of stone. alongside.  
Pits impracticable.

from which

A Yellow Pine 12 ins. diam. bears  $N. 73^{\circ} W.$ , 40 lks. dist.  
marked T. 94, R. 20 E, S., 34 B. T.

No other trees within limits.

Land mountainous

Soil poor rate,

Heavy timber of Pine & Oak,

Undergrowth of some Mangrove.

West. on a true line on S. B. of Section 34.

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

Ascend.

7.00 Top of Spur, bears  $S. 30^{\circ} W.$  and descend.

40.00 Set a lava stone 20 x 10 x 8 ins., 15  
ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
C.  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside.  
Pits impracticable. from which

A Yellow Pine 12 ins. diam. bears  $N. 50^{\circ} W.$ , 60 lks. dist.  
marked  $\frac{1}{4}$  S. C.  
 $\frac{1}{4}$  S. B. T.

A White Oak 6 ins. diam. bears  $S. 6^{\circ} E.$ , 48 lks. dist.

Chains.

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

71.00 Enter Valley, bears, S.

77.70 <sup>Turkey</sup> Cross Creek, 70 lks. wide, Course S. 100° W. }80.00 Set a sand stone 16 x 8 x 7 ins. 11 ins. in  
the ground for Standard Cor. to Secs. 33 and 34,  
marked S. C., with 3 notches on E. and 3 notches on  
W. edges and raised a mound of stone. alongside.

Pits impracticable. from which

A Yellow Pine 26 ins. diam. bears S. 12° 45' W., 91 lks. dist.

marked T. 84, R. 20 E, S., 4 B. T.

A Yellow Pine 20 ins. diam. bears N. 77° 45' W., 94 lks. dist.

marked T. 94, R. 20 E, S., 33 B. T.

A Black Walnut 16 ins. diam. bears N. 78° 5' E., 126 lks. dist.

marked T. 94, R. 20 E, S., 34 B. T.

Land mountainous and level.

Soil 1<sup>st</sup> and 3<sup>rd</sup> rate,

Heavy timber of Pine and Oak.

Undergrowth of same.



## BOOK 1291

Chains.

West. on a true line on S. B. of Section 33,

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

Over level land

3.00 Leave Valley, bears  $N. 74^{\circ} W. S.$  and ascend.

29.16 A Yellow Pine 10 ins. diam.

40.00 Set a Sandstone  $16 \times 8 \times 6$  ins., 11  
ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
C.  $\frac{1}{4}$  on N. face, and raised a mound of stone alongside.  
Pits impracticable. from which

A Yellow Pine 12 ins. diam. bears  $S. 39^{\circ} W.$ , 40 lks. dist.  
S. C.  
marked  $\frac{1}{4}$  S. B. T.

A Yellow Pine 14 ins. diam. bears  $N. 22^{\circ} E.$ , 39 lks. dist.  
S. C.  
marked  $\frac{1}{4}$  S. B. T.

69.91 A Yellow Pine 11 ins. diam.

80.00 Set a Sandstone  $20 \times 9 \times 8$  ins. 16 ins. in  
the ground for Standard Cor. to Secs. 32 and 33  
marked S. C., with 4 notches on E. and 2 notches on  
W. edges and raised a mound of stone alongside.  
Pits impracticable. from which

A Yellow Pine 8 ins. diam. bears  $N. 51^{\circ} E.$ , 127 lks. dist.  
marked T. 74, R. 20 E, S. 33 B. T.

A Yellow Pine 13 ins. diam. bears  $N. 34^{\circ} W.$ , 58 lks. dist.

Chains.

marked T. 74, R. 20 E, S., 32 B. T.

A Yellow Pine 12 ins. diam. bears S. 56° E., 48 lks. dist.

marked T. 81, R. 20 E, S., 4 B. T.

Land mountainous

Soil *3rd* rate,Heavy timber of Pine *and* Oak.

Undergrowth of same.

West. on a true line on S. B. of Section 32.

Va. 14° 15' East.

Ascend.

- 2.50 Top of Spur, bears South, and descend.
- 21.42 Cross Wash, 16 lks. wide, Course S. 10° E. and ascend.
- 30.00 Top of Spur, bears S. 37° E. and descend.
- 37.20 Cross Wash, 45 lks. wide, Course S. 52° E. and ascend.
- 40.00 Set a Sand stone 20 x 12 x 4 ins., 15  
ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
C.  $\frac{1}{4}$  on N. face, and raise a mound of stone alongside.  
Pits impracticable. from which
- A Yellow Pine 8 ins. diam. bears S. 27° E., 35 lks. dist.  
marked  $\frac{S. C.}{\frac{1}{4}}$  S. B. T.
- A Yellow Pine 14 ins. diam. bears N. 24° E., 43 lks. dist.  
marked  $\frac{S. C.}{\frac{1}{4}}$  S. B. T.

S. B. T. 9 N. R. 20 E. G. &amp; S. R. M.

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Chains.

80.00

Set a sand stone  $8 \times 9 \times 8$  ins.  $12$  ins. in  
the ground for Standard Cor. to Secs. 31 and 32  
marked S. C., with 5 notches on E. and 1 notch on  
W. edges and raised a mound of stone. alongside.

from which

Pits impracticable.

A Yellow Pine 6 ins. diam. bears  $S. 17^{\circ} E.$ , 27 lbs. dist.

marked T. 84, R. 20 E, S., 5 B. T.

A Yellow Pine 7 ins. diam. bears  $N. 11^{\circ} E.$ , 70 lbs. dist.

marked T. 74, R. 20 E, S., 32 B. T.

A White Oak 10 ins. diam. bears  $N. 42^{\circ} W.$ , 37 lbs. dist.

marked T. 94, R. 20 E, S., 31 B. T.

Land mountainous

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

Heavy timber of Pine and Oak,

Undergrowth of same.

Chains.

West on a true line on S. B. of Section 91

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

Ascend.

16.12 Top of Ridge, bears  $S. 17^{\circ}W$  and descend.40.00 Set a sand stone  $20 \times 16 \times 12$  ins., 15 ins. in the ground, for Standard  $\frac{1}{4}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  on N. face; and raised a mound of stone alongside. Pits impracticable. from whichA Pine 12 ins. diam. bears  $N. 60^{\circ}E$ , 30 lks. dist.  
S. C.  
marked  $\frac{1}{4}$  S. B. T.A Pine 6 ins. diam. bears  $N. 2^{\circ}W$ , 43 lks. dist.  
S. C.  
marked  $\frac{1}{4}$  S. B. T.56.25 Cross Wash, 30 lks. wide, Course  $S. 10^{\circ}W$  and ascend.80.00 Set a sand stone  $24 \times 10 \times 8$  ins., 18 ins. in the ground, for Standard Cor. to Tps. 9N., R's 19 and 20E., marked S. C. with 6 notches on N. E. edges, and raised a mound of stone, alongside.

Pits impracticable, from which

A Yellow Pine 20 ins. diam. bears  $S. 40^{\circ}W$ , 39 lks. dist.  
marked T. 8N., R. 19E., S., 1 B. T.A Yellow Pine 8 ins. diam. bears  $N. 82^{\circ}W$ , 85 lks. dist.  
marked T. 9N., R. 19E., S., 36 B. T.

S. B. T. 9 N. R. 20 E. G. & S. R. M.

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Chains.

A White Oak 3 ins. diam. bears N 58° E, 50 lks. dist.  
marked T. 9 N, R. 20 E, S. 31 B. T.

Land mountainous

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

Heavy timber of Pine & Oak.

Undergrowth of same.

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

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

Chains.

Before proceeding further with the exteriors of this 1 p.  
I made a change of 5 minutes in the latitude arc  
of my solar compass by adding same to  
the reading previously given, and at noon verified and  
corrected same by observation on the sun. I also fur-  
ther tested instrument by reversing.

I took the latitude and found it to be  $34^{\circ} 47'$

Standard  
From the Cor. to Tps. 17 N. R. 30 & 31 E.,

previously described, <sup>by me</sup> Town

East. on a true line on S. B. of Section 31.

Va. 1419' East.

Descend.

7.20 Cross Wash, 10 lks. wide, Course N. and ascend.

40.00 Set a sand stone  $14 \times 8 \times 6$  ins., 9  
ins. in the ground for Standard  $\frac{1}{4}$  Sec. Cor., marked S.  
C.  $\frac{1}{4}$  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.

54.00 Leave Valley, bears N. and S. and ascend.

56.50 Top of Spur, bears N. and descend.

61.20 Cross Gulch, 15 lks. wide, Course N. S. W. and ascend.

80.00 Set a sand stone  $15 \times 12 \times 9$  ins. 10 ins. in

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Chains.

the ground for Standard Cor. to Secs. 31 and 32 marked S. C., with 5 notches on E. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. N. E. and W. of stone, 5½ ft. dist., and raised mound of earth 2 ft. high 4½ ft. base. alongside.  
 Land rolling. and mountainous.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

East. on a true line on S. B. of Section 32.

Va. 14° 19' East.

Ascend.

40.00 Set a sand stone 14 x 12 x 6 ins., 9 ins. in the ground, for Standard ¼ Sec. Cor., marked S. C. ½ on N. face, and raised a mound of stone. alongside.  
 Pits impracticable.

80.00 Set a sand stone 16 x 12 x 4 ins. 11 ins. in the ground for Standard Cor. to Secs. 32 and 33, marked S. C., with 4 notches on E. and 2 notches on W. edges and raised a mound of stone. alongside.  
 Pits impracticable.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, bunchgrass.

Chains.

East. on a true line on S. B. of Section 33.

Va. 14019' East.

Ascend.

- 11.00 Top of Spur, bears *N. E.* and descend.
- 31.00 Enter Valley, bears, *N. W. and S. E.*
- 40.00 Set a sand stone 15 x 11 x 4 ins., 10 ins. in the ground for Standard  $\frac{1}{2}$  Sec. Cor., marked S. C.  $\frac{1}{4}$  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.
- 63.29 Cross Wash, 40 lks. wide, Course *N. W.* and ascend.
- 88.00 Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for <sup>Standard</sup> Cor. to Secs. 33 and 34 marked S. C. T. 17 N. R. 31 E., on N. S. 34 on E. and S. 33 on W. faces, with 3 notches on E. and 3 notches on W. faces, dug pits 18 x 18 x 12 ins. N. & S. of post, 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 *3m* rateVegetation, *brushgrass.*



BOOK 1291

Chains.

East. on a true line on S. B. of Section 34,

Va.  $14^{\circ}19'$  East.

Ascend.

11. 50 Leave Valley, bears N. W. and ascend.

25. 57 Intersect Boundary line between Arizona. and New Mexico. at a point which bears 23.40 chs. North from the 151<sup>st</sup> Mile post, which is a post,

set firmly in the ground, marked 151 on N.; N. W. on E.;  $82^{\circ}$  W. S. on S. <sup>2</sup> on Ariz. on W. sides, with pits and a mound of earth, in good order, annual post, and

Set a lava stone 16 x 14 x 8 ins. 11 ins. in the ground for Closing Cor. to Tps. 16 <sup>2</sup> 7<sup>th</sup> N. R. 31 E., marked C. C., with 6 notches on N. W. & S. edges, dug pits 24 x 13 x 12 ins. crosswise on each line, N. & W. of stone 6 ft. dist. and raised a mound of earth, 2 1/2 ft. high, 5 ft. base. alongside.

Land rolling.

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

Vegetation, bunchgrasses. April 3<sup>rd</sup> 1883

BOOK 1291

For final vaths see  
Book No. 19

U. S. Surveyor General's Office,

Tucson, Arizona, June 17, 1884

The foregoing Field Notes of the Survey of the  
11<sup>th</sup> Standard Parallel along  
S. boundary Tp. 17 N. R. 31 E. and of  
the 2<sup>nd</sup> Standard Parallel along S. Bdy. of  
Township 9 North  
Ranges 20, 21, 22 & 23 East,

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by O. D. Wheeler.

Deputy Surveyor, under his contract of the 12<sup>th</sup>  
day of July, 1884, having been

critically examined and the necessary corrections and explana-  
tions made, the said Field Notes and the surveys they describe  
are hereby approved.

Royall Johnson  
Surveyor General.