

SUBDIVISIONS.  
T. 19, N., R. 6, E.  
W. O. SECOR.

#

No. 313

BOOK 313

4-671

BOOK 313

313

FIELD NOTES  
GENERAL LAND OFFICE.

No. 313

Township 19 N Range 6 E

BOOK 313 County

NORTH

	6	5	4	3	2	1
				15	23	40
	7	8	9	10	11	12
				11	1739	19
	18	17	16	15	14	13
				536	33	
	19	20	21	22	23	24
				32		
	30	29	28	27	26	25
				28		
	31	32	33	34	35	36
				25		

SOUTH

WEST

EAST

N.  $0^{\circ}02'$  W on a true line bet  
secs 3 & 4. Through dense  
pines & oak brush.

19.65 Edge of bluff of cañon, bears  
E. & W. Descend precipitously.

29.00 Bottom of cañon 1000 ft. deep,  
course S.  $80^{\circ}$  E. ascend abruptly.

37.00 Top of bluff N. side, bear E. & W.

40.00 Set a malpais  $16 \times 14 \times 10$  ins. in  
a md. of stone for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on W. face, from which  
A pine 15 ins. diam. bears  
N.  $30^{\circ}$  E. dist. 109 lks marked  
 $\frac{1}{4}$  S. 3 B. T.

A pine 18 ins. diam. bears  
S.  $25^{\circ}$  W. distant 20 lks. marked  
 $\frac{1}{4}$  S. 4 B. T.

58.01 Intersect N. b'dy of Twp 108  
lks S  $89^{\circ}18'$  W. of cor. of

4 Sub. Lines T. 19 N. R. 6 E.

BOOK 313

secs 33 & 34, which I change  
to refer to N. secs. only.

Set a malpais 18 X 16 X 4 ins.  
in a md. of stone for clos-  
ing cor. to secs. 3 & 4 marked  
l. c. with 3 notches on E. & W.  
edges, from which

A pine 24 ins. diam. bears  
S. 42° W. dist. 74 lks, marked  
T. 19 N. R. 6 E. S. 4 l. c. B. T.

An oak 5 ins. diam. bears  
S. 65° E. dist. 83 lks marked  
T. 19 N. R. 6 E. S. 3 l. c. B. T.

Land mountainous 58.01 chs

Dense pines & oaks 38.01 chs

Sept 9 - 1902

Sub. lines J. 19 N. R. 6 E.

BOOK 313

Sept. 10: At 8<sup>h</sup> a.m. l.m.t.  
I set off  $5^{\circ}10'$  on the decl. arc t.  
 $35^{\circ}02'$  N. on the lat. arc,  
and determine a true merid-  
ian with the solar at the  
cor. of secs. 15, 16, 21 & 22.

Thence I run E. on a true  
line bet. secs. 15 & 22.

Descending steep slope of  
cañon diagonally, through  
dense pines and spruces  
and oak brush

38.00 Bottom of cañon, course S.  
 $85^{\circ}$  E., ascend.

40.00 Set a s.s.  $20 \times 12 \times 6$  ins in a  
md. of stone for  $\frac{1}{4}$  on S.  
bdy sec. 15, marked  $\frac{1}{4}$  on  
N. face, from which  
A spruce 10 ins. diam. bears

- N.  $4^{\circ}$  W. 12 lks dist marked,  
<sup>no other trees in limits</sup>  
 $\frac{1}{4}$  S. 15 B. T. Raised a wd. of stone 2 ft  
 base  $\frac{1}{2}$  ft. high N of cor. Sets in <sup>practically</sup> ~~the~~ <sup>the</sup> ~~slope~~ <sup>slope</sup>  
 42.50 Top of slope of point, descend
- 47.00 Bottom of same cañon,  
 course E., thence along  
 bottom of cañon
- 66.40 Cañon to S.  $80^{\circ}$  E., ascend  
 diagonally
- 71.00 Stirling Spring bears N.  
 dist. 3 chs.
- 80.00 Set a malpais  $18 \times 12 \times 6$  ins,  
 in a md. of stone for cor.  
 of secs 14 & 15, marked with  
 3 notches on S. and 2 notches  
 on E. edges, from which  
 An oak 6 ins. diam. bears  
 N.  $46^{\circ} 30'$  W. dist. 19 lks, marked  
 T. 19 N. R. 6 E S. 15 B. T.  
 An oak 9 ins. diam. bears

Sub. Line T. 19 N. R. 6 E.

BOOK 313

N.  $63^{\circ}$  E. dist 37 lks. marked  
T. 19 N. R. 6 E. S. 14 B. T.

Land mountainous 80 chs.

Dense pines & spruce and  
oak brush 80 chs.

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

Sept 10: At this cor. I set  
off  $5^{\circ}06'$  N. on the decl. arch  
and at noon observe the  
sun on the meridian;  
the resulting lat. is  
 $35^{\circ}02'$  N.

- N.  $0^{\circ}02'$  W. bet secs. 14 & 15  
 Over mountainous land  
 through dense oak brush,  
 descending
- 1.00 Sterling gulch, 60 lks wide  
 running water
- 1.60 Ascend precipitously
- 30.70 Top of rim of cañon, bears  
 N.  $75^{\circ}$  W. & S.  $75^{\circ}$  E, proceed  
 through dense pines
- 40.00 Set a malpais  $20 \times 6 \times 6$  ins.  
 in a md. of stone for  $\frac{1}{4}$  sec.  
 cor. marked  $\frac{1}{4}$  on W. face,  
 from which
- A pine 22 ins. diam. bears  
 N.  $16^{\circ}30'$  E. 57 lks dist.  
 marked  $\frac{1}{4}$  S 14 B. T.
- A pine 24 ins. diam. bears  
 S.  $56^{\circ}$  W. 32 lks dist. marked



$\frac{1}{4}$  S. 15 B. T.

80.00

Set a malpais  $22 \times 10 \times 5$  ins.  
in a md. of rock for cor. of  
secs. 10, 11, 14 & 15, marked  
with 4 notches on S. and

2 on E. edges, from which

A pine 36 ins. diam. bears

S.  $62^\circ$  W. dist 115 lks, marked

T. 19 N. R. 6 E. S. 15 B. T.

A pine 12 ins. diam. bears

S.  $35^\circ$  E. dist. 66 lks. marked

T. 19 N. R. 6 E. S. 14 B. T.

A pine 36 ins. diam. bears

N.  $27^\circ$  W. 86 lks. dist. marked

T. 19 N. R. 6 E. S. 10 B. T.

A pine 22 ins. diam. bears

N.  $27^\circ 30'$  E. dist. 150 lks

marked T. 19 N. R. 6 E. S.

11 B. T.

Land mountainous 80 chs.  
Dense pines 50 chs.  
Soil 3<sup>rd</sup> rate.

W. on a random line bet.  
secs 10 & 15.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 The cor. of secs. 9, 10, 15 & 16  
Thence I run E. on a true  
line bet. secs. 10 & 15 over  
mountainous land, through  
dense pines.

31.00 Edge of bluff of mesa, bears  
N. & S. descend abruptly.

40.00 Set a lime stone  $26 \times 12 \times 6$  ins.  
in a md. of stone for  $\frac{1}{4}$   
sec. cor. marked  $\frac{1}{4}$  on N.  
face, from which

A pine 5 ins. diameter  
bears N.  $60^\circ$  E. dist. 17 lks.  
marked  $\frac{1}{4}$  S. 10 B. T.

A pine 5 ins. diam. bears  
S.  $5^\circ$  W. dist. 10 lks. marked

- $\frac{1}{4}$  S. 15 B. T.
- 49.00 Foot of bluff, bears N. & S.  
continue to descend.
- 74.75 Sterling trail bears N. & S.
- 80.00 The cor. of secs. 10, 11, 14 & 15  
Land mountainous 80 chs.  
Dense pines 80 chs.  
Soil 4<sup>th</sup> rate

Sept. 10 - 1902

Sept 11: at 8<sup>h</sup> a. m. l. m. t. I set  
 off  $4^{\circ}47'$  N. on the decl. arc,  
 $35^{\circ}03'$  N. on the lat. arc, and  
 determine a true meridian with  
 the solar at the cor. of secs 10, 11,  
 14 & 15. Thence I run:

N.  $0^{\circ}02'$  W. bet. secs. 10 & 11

Over rolling land through dense  
 pines & oaks.

40.00 Set a malpais  $20 \times 12 \times 5$  ins. in  
 a md. of stone for  $\frac{1}{4}$  sec. cor.  
 marked  $\frac{1}{4}$  on W. face, from which  
 An oak 16 ins. diam. bears S.  
 $61^{\circ}$  E. dist. 17 lks marked

$\frac{1}{4}$  S. 11. B. T.

A pine 20 ins. diam. bears  
 N.  $59^{\circ}$  W. 124 lks dist. marked  
 $\frac{1}{4}$  S. 10. B. T.

80.00 Set a malpais  $18 \times 14 \times 8$  ins. in

a md. of stone for cor. of secs  
2, 3, 10 & 11, marked with 5 notches  
on S. and 2 notches on E. edges,  
from which

A pine 18 ins. diam. bears S.  
 $70^{\circ}$  E. 50 lks. dist. marked  
T. 19 N. R. 6 E. S. 11 B. T.

An oak 7 ins. diam. bears S.  
 $88^{\circ}$  W. dist. 49 lks. marked  
T. 19 N. R. 6 E. S. 10 B. T.

A pine 14 ins. diam. bears  
N.  $16^{\circ} 30'$  W. dist. 43 lks. marked  
T. 19 N. R. 6 E. S. 3 B. T.

An oak 9 ins. diam. bears  
N.  $18^{\circ}$  E. dist. 78 lks marked  
T. 19 N. R. 6 E. S. 2 B. T.

Land rolling 80chs. Dense  
pines & oaks 80 chs.  
Soil 4<sup>th</sup> rate.

N.  $0^{\circ}02'W$ . on a true line bet.  
secs. 2 + 3. Through dese pines  
& oaks.

40.00 Set a malpais  $16 \times 10 \times 6$  ins. diam.  
in a md. of stone for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on N. face, from which  
An oak 10 ins. diam. bears  
N.  $37^{\circ}W$ . dist 51 lks. marked  
 $\frac{1}{4}$  S. 3 B. T.

A pine 5 ins. diam. bears  
N.  $65^{\circ}E$ . 43 lks. dist. marked  
 $\frac{1}{4}$  S. 2 B. T.

41.00 Edge of bluff of cañon bears  
E. & W. descend abruptly

50.00 Bottom of cañon 500 ft. deep,  
course E. ascend

59.24 Intersect N. l'd'y. Tp. 100 lks  
S.  $88^{\circ}21'W$ . of cor. of secs. 34 & 35  
the markings of which I change

to refer to secs. 34 & 35 only.  
 Set a malpais 16 X 12 X 10 ins.  
 in a md. of stone for closing  
 cor. to secs. 2 + 3 marked with  
 2 notches on E. and 4 notches  
 on W. edges, from which  
 An oak 7 ins. diam. bears  
 S. 43° 30' W. 71 lks. dist. marked  
 T. 19 N. R. 6 E. S. 3 b. l. B. T.  
 An oak 11 ins. diam. bears  
 S. 40° E. dist. 47 lks marked  
 T. 19 N. R. 6 E. S. 2 b. l. B. T.  
 Land mountainous 59.24 chs.  
 Dense pines & oaks 59.24 chs.  
 Soil 4<sup>th</sup> rate

Sept. 11 - 1902



Sept. 12: At 8<sup>h</sup> a.m. l.m. t.  
 I set off  $4^{\circ}24'N.$  on the decl. arc;  
 $35^{\circ}03'N.$  on the lat. arc, and  
 determine a true meridian  
 with the solar at the cor. of  
 secs. 10, 11, 14 & 15. Thence I run  
 E. on a true line on S bdy. sec.  
 11. Through dense pines.

40.00 Set a malpais  $16 \times 10 \times 8$  ins. in  
 a md. of stone for  $\frac{1}{4}$  sec. cor.  
 marked  $\frac{1}{4}$  on N. face, from which

~~A pine 24 ins. diam. bears  
 S.  $46^{\circ}E.$  79 lks. dist. marked  
 $\frac{1}{4}$  S. 14 B. T.~~

A pine 24 ins. diam. bears  
 N.  $30^{\circ}W.$  64 lks. dist., marked  
 $\frac{1}{4}$  S. 11 B. T. *(Pits impracticable  
 No other trees in dist.)*

77.80 *Raised md. of stone 2 ft base  $\frac{1}{2}$  ft high N of cor.*  
 W. edge of Oak Creek Cañon  
 bears N. & S. Descend abruptly.

80.00

Set a malpais 18X10X6 ins.  
 a md. of stone for cor. of sec  
 11 & 12 marked with 4 notch  
 on S. and 1 notch on E. edges  
 from which

An oak 12 ins. diam. bears  
 N. 59° W. 38 lbs. diot. marked  
 T. 19 N. R. 6 E. S. 11 B. T.

A pine 24 ins. diam. bears  
 N. 30° E. 77 lbs. diot. marked  
 T. 19 N. R. 6 E. S. 12 B. T.

Land rolling 77.80 chs.

Land mountainous 2.20 chs.

Dense pines 80 chs.

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

BOOK 313

E. on a true line on S. b'd'y. sec. 12  
Descending abruptly through  
dense pines & oak brush

2.50 Oak creek, 50 lks. wide, course S.  
Ascend abruptly.

27.00 Top of bluff, bears N. W. & S.

34.00 Trail bears S. E. & N. W.

40.00 Set a lime stone 16x10x8 ins.  
in a md. of stone for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on N. face, from which

A pine 6 ins. diam. bears  
N.  $11^{\circ}$  E. 36 lks dist. marked  
*no other trees in limits*

$\frac{1}{4}$  S. 12 B. T. Raised a md of stone off  
base  $1\frac{1}{2}$  ft high  $\frac{1}{2}$  of sec. City, impracticable.  
49.42. Wire fence bears N. & S.

86.35 Wire fence bears N. E. & S. W.

115.76 Intersect E. b'd'y. Tp. 133 lks  
N.  $13^{\circ}16'$  W. of cor. of secs. 7 & 18,  
the markings of which I change  
to refer to secs. 7 & 18 only.

Set a malpais 20x10x5 ins. on  
 a md. of stone for closing cor  
 to sec. 12x13 marked c.c. with  
 4 notches on S. and 2 notches on  
 N. edges, from which

see letter  
 Aug 6<sup>th</sup> 1903

An oak 8 ins. diam. bears  
 R. 57° W  
 S. 52° W. dist. 133 lks. marked  
 T. 19 N. R. 6 E. S. 13 c.c. B. T.

An oak 8 ins. diam. bears  
 N. 53° W. dist. 36 lks. marked  
 T. 19 N. R. 6 E. S. 12 c.c. B. T.

Land rolling 115. 76 chs  
 Dense pines & oaks 115. 76 chs.  
 Soil 4<sup>th</sup> rate

N.  $0^{\circ}03'E$ . bet. secs 11 & 12

Over mountainous land, through dense pines & oak brush, ascending along W. side of Oak Creek.

23.00 Bottom of Oak Creek 100 lks wide course S.  $40^{\circ}E$ . for 5 cho. then S.

24.00 Ascend abruptly

36.00 Top of bluff, bears S.  $60^{\circ}E$  & N.  $60^{\circ}W$

40.00 Set a malpais 16 X 8 X 8 ins.

12 ins. in ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face, from which

A pine 10 ins. diam. bears

S.  $10^{\circ}W$ . dist 98 lks. marked

$\frac{1}{4}$  S. 11 B. T.

A pine 26 ins. diam. bears

N.  $70^{\circ}E$ . 53 lks. dist. marked

$\frac{1}{4}$  S. 12 B. T.

45.00 Descend to gulch

47.00 Bottom of gulch, course S.  $80^{\circ}W$ . ascend

60.00 Top of ascent

80.00 Edge of bluff of Oak Creek canyon,  
bears S. W. & N. E.

Set a malpais  $20 \times 12 \times 8$  ins. in  
a md. of stone for cor. of secs  
1, 2, 11 & 12, marked with 5 notches  
on S. and 1 notch on E. edges, from ~~work~~

A pine 32 ins. diam. bears  
S.  $30^\circ$  W. 53 lks. dist. marked  
T. 19 N. R. 6 E. S. 11 B. T.

A pine 36 ins. diam. bears  
S.  $35^\circ$  E. dist. 210 lks marked  
T. 19 N. R. 6 E. S. 12 B. T.

A pine 20 ins. diam. bears  
N.  $65^\circ 30'$  E. dist. 94 lks. marked  
T. 19 N. R. 6 E. S. 1 B. T.

No other tree Land mountainous  
80chs. Dense pines 80chs.

Soil 4th rate Raised md of stone  
aft base  $1\frac{1}{2}$  ft. high. W. of cor. Pits impra

BOOK 313

- W. on a random line bet. secs. 2+11
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.11 The cor. of secs. 2, 3, 10 & 11. Thence  
I run E. on a true line bet.  
secs 2 + 11 over rough ground  
through dense pines, descending
- 39.95 Gulch, course S. E. ascend.
- 40.055 Set a malpais 18X10X7 ins.  
in a md. of stone for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on N. face, from which  
A pine 12 ins. diam. bears  
N.  $2^{\circ}$  W. 74 lks dist. marked  
 $\frac{1}{4}$  S 2 B. T.  
An oak 6 ins. diam. bears  
S.  $8^{\circ}$  W. dist. 28 lks. marked  
 $\frac{1}{4}$  S. 11 B. T.
- 53.00 Top of slope. Descend
- 65.50 Oak Creek, course S.  $30^{\circ}$  W.,  
ascend diagonally.

cticabl.

80.11 The cov. of secs 1, 2, 11 & 12  
Land mountainous 80.11 chs  
Dense pines 80.11 chs.  
Soil 4<sup>th</sup> rate.



## BOOK 313

- N. on a random line bet. secs. 1 & 2
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 59.87 Intersect N. bdy. Tp. 36 lks. W. of cor. of secs. 35 & 36. Thence run  $S 0^{\circ} 21' N.$  on a true line bet. secs 1 & 2 over mountainous land through dense pines
- 19.87 Set a malpais  $20 \times 14 \times 12$  ins. in a rd. of stone for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face, from which  
 A pine 24 ins. diam. bears  $S. 75^{\circ} E.$  55 lks. dist. marked  $\frac{1}{4}$  S. 1 B. T.  
 A pine 24 ins. diam. bears  $N. 12^{\circ} W.$  dist 56 lks. marked  $\frac{1}{4}$  S. 2 B. T.
- 51.00 Edge of bluff, bears W. & N.E. descend abruptly
- 56.00 Oak creek, course W.

59.87 Cor. of secs 1, 2, 11 & 12

Land mountainous 59.87 chs.

Dense pines 59.87 chs

Soil 4<sup>th</sup> rate

Sept. 12 - 1902

Sept. 13: At 8<sup>h</sup> a. m. l. m. t.  
I set off  $4^{\circ}01' N.$  on the decl. arc;  
 $34^{\circ}59' N.$  on the lat arc, and  
determine a true meridian  
with the solar at the cor. of  
secs. 34 x 35 on the S. b'd'y.

Thence I run

$N. 13^{\circ}08' W.$  bet. secs. 34 x 35

40.21 The  $\frac{1}{4}$  sec. cor. bears  $S. 76^{\circ}52' W.$   
63 lks. dist. which makes the  
bearing of this half mile  $N.$   
 $14^{\circ}02' W.$  Thence  $N. 13^{\circ}08' W.$ ,  
and at

40.66 The cor. of secs. <sup>26, 27, 34, 35?</sup> 25, 26, 35 x 36  
bears  $N. 76^{\circ}52' E.$  15 lks., which  
makes the bearing of this  
half mile  $N. 12^{\circ}55' W.$

Thence I run  $S. 89^{\circ}49' W.$   
bet. secs 27 x 34 and at

- 33.20 Edge of bluff of gulch, bears N.W. & S.E. descend.
- 34.50 Bottom of gulch, course N.W. at 3.00 chs turns N.  $80^{\circ}$  W. ascend
- 40.00 A malpais 16 X 10 X 10 ins. on large boulder bears N. 3 lks.;  
*True course last 1/2 mile S  $89^{\circ}$  51' W*  
 from which
- An oak 6 ins. diam. bears S  $1^{\circ}$  W. dist 23 lks., marked  $\frac{1}{4}$  S. B. T.
- An oak 3 ins. diam. bears N.  $6^{\circ}$  W. 49 lks dist. marked  $\frac{1}{4}$  S. B. T.
- 41.50 A point on line from which I am able to see a flag 9 lks N. of the witness cor. to secs. 27, 28, 33 & 34, which flag bears S.  $89^{\circ}$  27' W.
- As I am unable to chain

further because of impassable walls of Oak Creek Cañon. I measure a base N.  $5^{\circ} 59' W.$  29.77 chs. to a point from which the flag on the W. side of the cañon bears S.  $76^{\circ} 31' W.$ , therefore the angles in the order of measurement are

$$\begin{array}{r} 84^{\circ} 34' \\ 82^{\circ} 30' \\ 12^{\circ} 56' \\ \hline 180^{\circ} 00' \end{array}$$

$$\frac{\sin 82^{\circ} 30' \times 29.77}{\sin 12^{\circ} 56'} = \text{dist. to flag.}$$

A.C. Log. sin	$12^{\circ} 56'$	0.650107
Log. sin	$82^{\circ} 30'$	9.996269
Log. 29.77		1.473779
Log. 131.90		2.120155

Therefore the dist. to the flag on W. rim of cañon is  $41.50 + 131.90 = 173.40$  chs and the bearing of the line

## BOOK 313

from the  $\frac{1}{4}$  sec. cor. bet. secs.  
27 & 34 to the proper point  
for the cor. of secs. 27, 28, 33 & 34  
is N.  $88^{\circ}44' W.$  ✓

Sept 13 - 1902

Sept. 14: At 8<sup>h</sup> a. m. l. m. t.  
 I set off  $3^{\circ}39'N$ . on the decl.  
 arc;  $35^{\circ}00'N$ . on the lat. arc;  
 and determine a true meridian  
 with the solar at the cor. of  
 secs. 26, 27, ~~3<sup>4</sup>~~  $\times$  ~~3<sup>5</sup>~~. Thence I un  
 $N. 13^{\circ}08'W$ . bet. secs. 26 & 27

40.00  $\frac{1}{4}$  sec. cor. on line

79.61 The cor. of secs. 22, 23, 26 & 27  
 bears  $N. 76^{\circ}52'W$ . 8 lks, which  
 makes the bearing of this  $\frac{1}{2}$  mile  
 $N. 13^{\circ}15'W$ .

S.  $89^{\circ}49'N$ . bet. secs. 22 & 27.

40.00

✓

The  $\frac{1}{4}$  sec. cor. bears N. 3 lks.  
True course  $S89^{\circ}51'W$ .

as the stone is undersized  
and has no bearing trees I  
destroy all trace of it and  
reestablish as follows:

Set a malpais  $18 \times 12 \times 5$  ins.  
in a md. of stone for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on N. face, from which

An oak 10 ins. diam. bears  
N.  $12^{\circ}E$ . 44 lks. dist. marked  
 $\frac{1}{4}$  S. 22 B. T.

A pine 30 ins. diam. bears  
S.  $55^{\circ}W$ . 53 lks. dist. marked  
 $\frac{1}{4}$  S. 27 B. T.

I now proceed to top of mesa  
on W. side of Oak Creek and  
place my instrument on  
line bet. the cor. of secs. 21,



## BOOK 313

22, 27 x 28 and the  $\frac{1}{4}$  sec. cor.  
bet. secs. 22 x 27, both of which  
corners are visible, and find  
the true bearing of said line  
to be S.  $87^{\circ} 25' E$ .

Therefore, from the cor. of secs.  
21, 22, 27 x 28 I run  
S.  $87^{\circ} 25' E$ . on a true line  
bet. secs. 22 x 27. over mount-  
ainous land, through dense pines

46.50 Edge of bluff of mesa bears  
N. x S. Descend abruptly to  
Oak creek.

61.60 Oak creek - 60 lks wide, course  
S - 2300 ft. below rim.

63.00 Ascend abruptly

104.00 Top of bluff of mesa, bears N x S

114.82 The  $\frac{1}{4}$  sec. cor. bet. secs. 22 x 27  
Land mountainous 114.82 chs

Dense pines 57.00 chs.  
Soil 4<sup>th</sup> rate

Sept. 14-1902

## BOOK 313

Sept. 15: At 8<sup>h</sup> a.m. l. m. t.  
 I set off  $3^{\circ} 16' N.$  on the decl.  
 arc,  $35^{\circ} 01' N.$  on the lat. arc;  
 and determine a true meridian  
 with the solar at the cor. of  
 secs. 22, 23, 26 & 27.

Thence I run

$N. 13^{\circ} 08' W.$  bet. secs. 22 & 23

37.66  $\frac{1}{4}$  sec. corner bears  $N. 25^{\circ}$  lks.

76.86 The cor. of secs. 22 & 23 bears  $S.$   
 $76^{\circ} 52' W.$  49 lks. dist. which  
 makes the bearing of this  
 mile  $N. 13^{\circ} 29' W.$

Land rolling

Dense pines 76.86 chs.

- W. on a true line on N. bdy. sec. 22.  
 Through dense pine timber
- 23.60 Edge of bluff of Oak Creek  
 cañon bears N. E & S.  
 Descend precipitously. Leave pines.
- 40.00 Set a s.s. 24x14x7 ins. in a  
 md. of stone for  $\frac{1}{4}$  sec. cor.  
 marked  $\frac{1}{4}$  on N. face.  
 No trees in distance. Raised a  
 md. of stone 2 ft base  $1\frac{1}{2}$  ft high N. of cor. Pits  
 thence I run (impracticable).  
 N.  $58^{\circ}03'$  W. to the cor. of secs  
 14x15 which is visible
- 4.50 Oak Creek 150 lks wide, course S  
 Ascend.
- 19.36 The cor. of secs. 14x15  
 Land mountainous 59.36 chs.  
 Dense pines 23.60 chs  
 Soil 4<sup>th</sup> rate

BOOK 313

E. bet. secs. 14 & 23.

41.44  
~~41.33~~

The  $\frac{1}{4}$  sec. cor. bears N. ~~13° 08' W~~

<sup>756</sup>  
320 lks. continue same line

81.60 Length of  $\frac{1}{2}$  mile 41.11 chs N 79° 40' E.

~~81.77~~ The cor. of secs. 13, 14, 23 & 24

bears N. ~~13° 08' W~~. 645 lks.

which makes the bearing

of this line N. ~~85° 28' E~~ <sup>N 88° 25' E</sup>

Length less half mile 40.15 chs

see depts. letter  
Feb'y. 25/04

N.  $13^{\circ}08'W$ . bet secs 13 & 14.

Through dense pines & oak brush.

40.00 Made a diligent search for  $\frac{1}{4}$  sec. cor., but could find no trace of it.

Set a lime stone  $16 \times 10 \times 8$  ins. in a md. of stone for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face, from which

A pine 14 ins. diam. bears  $S 79^{\circ}W$ . dist. 47 lks marked  $\frac{1}{4}$  S. 14 B. T.

A pine 6 ins. diam. bears N.  $40^{\circ}30'E$ . dist. 11 lks. marked  $\frac{1}{4}$  S. 13 B. T.

85.99 Intersect S. b'dy. sec. 12 - 144 lks. W. of  $\frac{1}{4}$  sec. cor.

Set a lime stone  $26 \times 14 \times 5$  ins. in a md. of stone for closing cor. to secs. 13 & 14 marked

## BOOK 313

b. l. with 4 notches on S. and  
1 notch on E. edges, from which  
A pine 34 ins. diam. bears  
S.  $21^{\circ}30'$  W. dist 65 lks. marked

T. 19 N. R. 6 E. S. 14 b. l. B. T.

A pine 36 ins. diam. bears  
S  $55^{\circ}30'$  E. dist. 63 lks. marked

T. 19 N. R. 6 E. S. 13 b. l. B. T.

Land rough and broken  
85.99 chs.

Dense pines 85.99 chs.

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

40.00

N. on a true line on N. bdy. sec. 14.  
Set a malpais  $20 \times 18 \times 12$  ins. in a md. of stone  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face from which  
a pine 24 ins. diam. bears S.  $31^{\circ}10'$  W. 89 lks. dist.  
marked  $\frac{1}{4}$  S. 14 B. T. No other trees in dist.  
Raises md. of stone 2 ft. base  $\frac{1}{2}$  ft. high N. of

118.56

In cor. of secs. 14 & 15. (cor. Pits impracticable)

Land mountainous 118.56 chs.

Sept. 15, 1902

40  
Sub. Line J. 19 N. R. 6 E,

BOOK 313

Sept. 16: At 8<sup>h</sup> a.m. l.m.t.  
I set off 2° 52' N. on the decl.  
arc, 35° 04' N. on the lat. arc, and  
determine a true meridian with  
the solar at the cor. of secs. 1; 2,

11 & 12

Thence I run

E. on a true line bet. secs. 1 & 12

Ascending steep slope of mesa  
diagonally.

12.00 Top of rim of mesa bears  
N. 50° E & S. 80° W.

40.00 Set a malpais 20 x 9 x 7 ins. in  
a md. of stone for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on N. face. from which

A pine 12 ins. diam. bears  
S. 42° E. 47 lks dist. marked

$\frac{1}{4}$  S. <sup>12</sup><sub>1</sub> B. T.

A pine 26 ins. diam. bears



Sub. Line T. 19 N. R. 6 E. 41

BOOK 313

N.  $16^{\circ}$  E. dist 82 lks. marked  
 $\frac{1}{4}$  S. 1 B. T.

72.00 Gulch course S. W.

95.66 Intersect E. b'dy. Tp. 238 lks.

N.  $13^{\circ} 38'$  W. of cor. of secs. 6 & 7,  
the markings of which I  
change to refer to secs 6 & 7  
only.

Set a lime stone  $18 \times 14 \times 4$  ins.  
in a md. of stone for closing cor.  
to secs. 1 & 12 marked with 1 notch  
on N. and 5 notches on S. edges,  
and C. C. on W. face  
from which

A pine 12 ins. diam. bears  
N.  $71^{\circ}$  W. dist. 32 lks. marked  
T. 19 N. R. 6 E. S. 1 b. b. B. T.

An oak 8 ins. diam. bears  
S.  $27^{\circ}$  W. 29 lks. dist. marked  
T. 19 N. R. 6 E. S. 12 b. b. B. T.

Land mountainous 95.66 ch  
 Dense pines & oaks 95.66 ch  
 Soil 4<sup>th</sup> rate

Sept. 16 - 1902

I run East on a true line  
 on N. Bdy. of sec. 13. through  
 dense brush.

40.00 Set a malpais 19x11x5 ins in  
 a md. of stone for  $\frac{1}{4}$  sec. cor.  
 marked  $\frac{1}{4}$  on N. face. Pito Impos-  
 sible

77.20 The closing cor. to secs. 12, 13,  
 Land mountainous 77.20 chs.  
 Dense brush 77.20 chs.

From the cor. of secs. 13, 14, 23 and  
 24 I retrace E. bet. secs 13 and 24.  
 and at 40 chs. fail to find  
 the  $\frac{1}{4}$  sec. cor.

78.60 The cor. of secs. 13, 18, 19 and 24 by  
 course of mile  
 N.  $15^{\circ} 02' W$ . 209 lks.  $S 87^{\circ} 30' W$ .

LIST OF NAMES.

43

A list of the names of the individuals employed by

*A. Oscar Deere*

United States Deputy Surveyor, to assist in running, measuring, marking the lines and corners described in the foregoing field

the survey of the *Exterior and Subdivision*

*lines of townships 20 N. R. 4*

*19 N. R's 2, 3, and 6 E.; 18 N.*

*and 17 N. R's 5 and 6 E.*

BOOK 313

of the Gila and Salt River Base and Meridian, in the Territory  
zona, showing the respective capacities in which they acted.

*Joel Anderson*, Chainman

*A. G. Johnson*, Chainman

*F. M. Lockwood*, Chainman

*G. J. Schwartz*, Chainman

*Robert Harpham*, Axman

*Norman Cootle*, Flagman

44

FINAL OATH OF ASSISTANTS.

44

We hereby certify that we assisted N. Oscar Secor  
 United States Deputy Surveyor, in surveying all those parts or portions  
 of the Exterior and subdivisional lines  
of townships 20 N. R 4 E; 19 N.  
R 2, 3 and 6 E; 18 N. R 6 E; and  
17 N. R 5 and 6 E.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor-General for Arizona.

- Joel Anderson ..... Chainman.
- W. Johnson ..... Chainman.
- J. M. Lockwood ..... Chainman.
- ..... Chainman.
- C. J. Schwartz ..... Axman.
- Hubert Harpham ..... Axman.
- Norman Coote ..... Flagman.

Subscribed and sworn to before me this 5th day  
 of Aug, 1903

[SEAL.]

Geo. Johnston  
 Notary Public.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, W Oscar Sevor, <sup>45</sup> United States  
 Deputy Surveyor, do solemnly swear, that in pursuance of a contract  
 received from Hugh H Price, United States  
 Surveyor-General for Arizona, bearing date of the 30<sup>th</sup>  
 day of June, 1902, I have well, faithfully, and  
 truly, in my own proper person, and in strict conformity with the  
 instructions furnished by the United States Surveyor-General for Ari-  
 zona, the Manual of Surveying Instructions, and the laws of the United  
 States, surveyed all those parts or portions of the Anterior  
and subdivisional lines of  
townships 20 N. R. 4 E.; 19 N. R.  
2, 3, and 6 E.; 18 N. R. 6 E.; and  
17 N. R. 5 and 6 E.

BOOK 313

of the Gila and Salt River Base and Meridian, in the Territory of Ari-  
 zona, as are represented in the foregoing field notes as having been sur-  
 veyed by me and under my direction; and I do further solemnly swear  
 that all the corners of said survey have been established and perpetu-

46  
ated in strict accordance with the Manual of Surveying Instructions, the special instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field notes, and that the foregoing are the TRUE field notes of such survey; and should any fraud be detected I will suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

W. Oscar Jacob

U. S. Deputy Surveyor.

~~Oct 1st~~

Subscribed and sworn to before me this ~~5th~~ day

of Aug, 1903

Geo. J. Hunter  
~~Notary Public~~

Frank S. Ingalls

U. S. Surveyor General

4890b150-8-02



## General Description.

This Tp. is extremely mountainous. It is located on the high plateau of the Mogollon Mountains, and is cut by the almost impassable cañons of Oak Creek and its branches.

The mesa lands are covered with a dense growth of pines and oaks, while in the cañons spruce, live oak, sycamore, maple, ash and walnut abound.

On the mesas grows an abundance of good grass. In Oak Creek flows a stream of clear, pure water about 100 yds wide.

On the N. W.  $\frac{1}{4}$  sec. 27 is the ranch of a Mr. Harding, and on the N. W.

~~47~~

48

$\frac{1}{4}$  sec. 34 is the ranch of a Mr. Thomas

W. Oscar Jacob.  
U. S. Deputy Surveyor.

For corrections see deputy's letters  
of Aug. 6/03; Oct. 4 and 10, 1903.  
Oct. 19, 1903 & March 22/1904

BOOK 313



BOOK 313

A P P R O V A L.

Office of the  
United States Surveyor-General,  
Phoenix, Arizona.

November 25, 1903.

The foregoing field notes of the survey of the subdivisional lines of Tp. 19 N., R. 6 E., of the Gila and Salt River Base and Meridian, in the Territory of Arizona, executed by W. Oscar Secor, United States Deputy Surveyor, under his contract No. 102, dated June 30, 1902, having been critically examined, and the necessary corrections and explanations, made, the said field notes, and the surveys they describe, are hereby approved.

*Frank D. Ingalls*

U. S. Surveyor-General.