

"Book C"

No. 2.

Subdivisions

T. 23 N., R. 8 E.

Lamport. - No. 98. -

No. 477

BOOK 477

4-671

477

**FIELD NOTES**  
**GENERAL LAND OFFICE.**

mes. 26 / Exchange Index pages

Concluded from

Book 476.

Compared with original notes.

cm. + cm - 2-18-04

Op

comp. E. N. & SA.  
copies D. A. E. N. D/ae. 5/03

Recopies 1/9/04. cm.

recompared D/ae. cm 1/11/04

D. A. comp. E. N. & cm. 12/9/03

ops. checked Lab & cm D.

BOOK 477

Substitute note

No. 477

BOOK 477

59

Dimensions T. 23 N. R. 8 E. (cont'd)

Chs.

4-674.

58 Dec.

Township 23 N., R. 8 E., S. 8. B. & Mer. Hence

Index - BOOK 477

0°30'E.

T

E.

T

ic

et.

6	112	5	82	4	59	3		2	1
110		109		81					
7	106	8	79	9		10		11	12
104		102		76					
18	100	17	74	16		15		14	13
96		96		72					
19	94	20	70	21		22		23	24
93		92		68					
30	89	29	65	28		27		26	25
83		86		63					
31	84	32	61	33		34		35	36

986511° 01

40.00

Set temp. 14 Dec. car.

71.50

Intersect N. bdy. of Tp. 5 lks. West

## chs. Subdivisions Sp. 23 N., R. 8 E. (Ct.)

of cor.

Thence Iron

I. on true line bet. secs. 3 & 4

Ascend N.W. slope of O'Leary Mt.

31. 50 A lava stone  $18 \times 12 \times 8$  ins.

12 ins. in ground for  $\frac{1}{4}$  Sec. cor.

marked  $\frac{1}{4}$  on W. face, whence.

A pine 6 ins. dia. hrs. N.  $53^{\circ}$  E.

46 lbs. dist. marked  $\frac{1}{4}$  I. 3 S.T.

A pine 20 ins. dia. bears N.  $87^{\circ}$

$07^{\circ}$  W., 21 lbs. dist. marked  $\frac{1}{4}$  I. 4 S.T.

67. 60. A pine 12 ins. dia. on line, marked  
2 notches on N. & E. sides.

71. 50 Cor. Secs. 3-4-9 and 10.

Land, mountainous.

Soil, cinders, 4th rate.

Timber, pine, pinon & cedar.

Mountainous land, 71. 50 chs.

Aug. 28-1902.

chs. Subdivisions Tp. 23 N., R. 8 E. (Ct 6)

Aug. 29. At 7 h. 10 m. a. m. l. m. t.  
I set off  $35^{\circ} 19'$  N. on lat. arc, and  
 $9^{\circ} 36'$  N. on decl. arc, and deter-  
mine a true meridian with the  
Solar, at the cor. of secs. 4-5-32  
9 33.

Aug. 29-1902.

From cor. sec. 4-5-32 & 33, on  
South bdy. of Tp. which is a  
sandstone, properly marked and  
witnessed as described by the  
Surveyor General,  
Thence I run,

$N 0^{\circ} 3'$  N. bet. secs. 32 and 33.

Wa.  $15^{\circ} 00'$  E.

Ascend through thick pine timber,  
over broken stony ground.

40.00

Set a malpai stone  $24 \times 14 \times 12$  ins.

Chc. Subdivisions Sp. 23 N, R. 8 E. (Ct<sup>d</sup>)

- 18 mi in the ground, for 1/4  
 Dec. cor, marked 1/4 on W. face,  
 from which,
- A pine 20 ins. dia. hrs. S. 70° E.  
 56 lbs. dist. marked 1/4 S. 33 B.T.
- A pine 7 ins. dia. hrs. S. 79° W.  
 227 lbs. dist. marked 1/4 S. 32 B.T.
- 42.00 Edge of ravine, course N. 70° E.  
 Descend.
- 45.00 Bottom of descent, 20 ft. below top,  
 hrs. E. & W. Ascend.
- 51.00 Top of ascent, 40 ft. above bottom.  
 hrs. N. 75° E., rolling ground.
- 71.00 Leave timber, hrs. E. & W., enter  
 park, covered with bunch grass.
- 78.00 Road from Flagstaff, to Tuba,  
 hrs. N. 45° W.
- 80.00 Get a malapai stone 28 x 16 x 12  
 ins., 20 mi. in ground for cor.

Chs. Subdivisions, T. 23 N., R. 8 E. (Ctd)

Secs. 28-29-32 & 33, marked  
 1 notch on S & 4 on E edges,  
 raise a mound of stone 2 ft-  
 base, 1 1/2 ft high, W. of cor.  
 Pits impracticable.

A pine 24 ins. dia. brs. N. 82°  
 35' E., 210 lbs. dist, marked T. 23 N.  
 R. 8 E. S. 28 B.T.

A pine 18 ins. dia. bears. S. 45°  
 15' E., 406 lbs. dist, marked T. 23 N.,  
 R. 8 E. S. 33 B.T.

Land, rolling.

Soil, 2<sup>d</sup> rate.

Timber, pine; chico & bunch  
 grass.

Heavy timber, 80.00 chs

N. 89° 43' E. on random line bet.  
 secs. 28 & 33.

## Chs. Subdivisions, Twp. 23 N., R. 8 E. (etc)

- 40.00 Set temp.  $\frac{1}{4}$  Sec. cor.
- 80.40 Intersect N. & S. line 5 lks. N. of  
cor. secs. 27-28-32-9 34.  
Thence S run  
S. 89° 45' W. on a true line bet.  
secs. 28 & 33.  
Descend through cedar, pinon &  
scattering pine, volcanic cinders,  
& bunch grass.
- 0.00 Car. on S. slope of hill, 50 ft.  
below top.
- 20.00 Enter heavy pine timber, bet. N. & S.
- 21.50 Foot of descent, wash, bet. two  
hills, 250 ft. below sec. cor.  
course N. & S. Ascend.
- 30.00 Top of ascent, 60 ft. above wash.  
Leave cedar & pinon timber, bet.  
N. & S. Descend into pine  
timber, bet. N. & S.



## Chs. Subdivisions, Tp. 23 N., R. 8 E. (Ct. 2)

40. 20. Set a malapai stone  $14 \times 12 \times 10$   
 in., 9 in. in ground, for  $\frac{1}{4}$   
 sec. cor., marked  $\frac{1}{4}$  on N. face,  
 Whence,

A pine 25 in. dia. bears N.  $45^\circ$  E.  
 108 lks. dist., marked  $\frac{1}{4}$  S. 28 D. T.

A pine 30 in. dia. bears S.  $50^\circ$  W.,  
 31 lks. dist., marked  $\frac{1}{4}$  S. 33 D. T.

77. 50 Leave timber, enter park, brs. N. & S.

80. 40 Cor. Secs. 28-29-32 and 33.

Land, mountainous.

Soil, 70 chs. cinders, 10 chs. 3rd rate

Timber, pine, cedar & pinon.

Veg., bunch grass.

mte. + heavy timber, 80. 40 chs.

N.  $0^\circ 3'$  W. bet Secs. 28 & 29.

Va.  $140^\circ 45'$  E.

Ascend through pine, bunch grass.

## Chc. Subdivisions, Sp. 23 N, R. 8 E. (CtE)

- Land, 2<sup>d</sup> rate.
- 7.50 Leave park, enter timber, hrs. N. 45° W.  
+ S. 45° E.
- 16.33 a pine 22 ins. diam. on line, marked  
2 notches on N. & S. sides.
- 34.00 Highest point on slope, 50 feet  
above sec. cor. Hill to E. hrs. N. & S.
- 39.50 Begin descent.
- 40.00 Set malapais stone 15 x 10 x 10 ins.  
9 ins. in ground for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on N. face, whence,  
a pine 16 ins. diam. hrs. S. 12° E.  
38 lbs. dist., marked  $\frac{1}{4}$  S. 28 S. T.
- a pine 18 ins. diam. hrs. N. 74° W.  
14 lbs. dist., marked  $\frac{1}{4}$  S. 29 S. T.
- 41.50 Foot of descent, 30 ft. below top, hrs.  
N. & S. ascend.
- 43.50 Top of ascent, hrs. E. & W. Descend.
- 45.00 Foot of descent, in ravine, course

## chs Subdivisions, Sp. 23 N. R. 8 E. (ctd)

J. 55° N. Secund.

80.00 Jet malapai stone, 24 x 12 x 10 ins.  
18 ins. in ground for cor. Jucc.  
20-21-28-429, marked 2 notches on  
J. & 4 on E edges, whence,

a pine 16 ins. diam. hrs. N. 64° E.

93 lbs. dist., marked T. 23 N. R. 8 E.

J. 21 D.T.

a pine 13 ins. diam. hrs. J. 22° E.

49 lbs. dist., marked T. 23 N. R. 8 E.

J. 28 D.T.

a pine 14 ins. dia. hrs. J. 26° 30' N.,

135 lbs. dist., marked T. 23 N. R. 8 E.

J. 29 D.T.

a pine 12 ins. diam. hrs. N. 63° N.

40 lbs. dist., marked T. 23 N. R. 8 E.

J. 20 D.T.

Land, mountainous.

Price, 2<sup>d</sup> & 4<sup>th</sup> rate.

chs. Subdivisions, Tp. 23 N., R. 8 E. (Ct<sup>d</sup>)

Timber, cedar, pinon & pine;

Chico bunch & bunch grass.

Mts. & dense timber, 80.00 chs.

Aug. 29-1902.

Aug. 30: At 7 hr 5 m. a.m., l.m.t.,  
 Set off  $35^{\circ}21'$  N. on lat. arc, and  
 $9^{\circ}15'$  N. on decl. arc, and deter-  
 mine a true meridian with the  
 solar at the cor. of secs. 20-21-  
 28 & 29.

Aug. 30.

N.  $89^{\circ}45'$  E. on random line bet.  
 secs. 21 & 28.

40.00

Set temp.  $\frac{1}{4}$  Sec. cor.

80.44

Intersect N. & T. line 11 lks. N. of  
 cor. secs. 21-22-27 & 28.

Thence

T.  $89^{\circ}50'$  N. on true line bet. Secs. 21 & 28.

## Chs. Subdivisions, Sp. 23 N. R. 8 E. (Ct. 2)

Ascend, through timber

10.00 Top of ascent, 75 ft. above sec. car.

Descend along N. slope of hill.

37.50 Foot of descent, hrs. N. 45° E.

40.22 Set lava stone 20 x 12 x 10 in., 14 in. in ground, for 1/4 Sec. car, marked 1/4 on N. face, whence -

a pine 18 in. diam. hrs. N. 33° 20' E.

41 lbs. dist. marked 1/4 S. 21 D. T.

a pine 22 in. dia. hrs. S. 77° 40' E.

110 lbs. dist. marked 1/4 S. 28 D. T.

Ascend.

47.50 Top of ascent, 50 ft. above sec. car.

hrs. N. E. &amp; S. W.

68.00 Leave slope of hill, hrs. N. 45° W.

Descend.

73.00 Foot of descent, in wash, course

S. 45° E. Ascend.

79.00 Top of ascent, on saddle, bet. two hills.

## Chs. Subdivisions, Twp. 23 N, R. 8 E. (Ctd.)

Descend.

80.44 Cor. of Secs. 20-21-28 &amp; 29.

Land, mountainous &amp; broken.

Soil, 4th rate.

Timber, pine, pinon &amp; cedar.

Scattering bunch grass,

Mts &amp; thick timber, 80.44 chs.

N.  $0^{\circ} 3' N$ . bet. Secs. 20 & 21.Va.  $14^{\circ} 45' E$ .Descend hill through pine  
timber & bunch grass.1.10 a pine 8 ins. diam. on line, marked  
2 notches on N. & S. sides.3.60 a pine 12 ins. diam. on line,  
marked 2 notches on N. & S. sides.16.00 Foot of descent, 300 ft. below sec.  
cor., bet. N.  $60^{\circ} E$ .

26.50 Pine 32 ins. dia. on line, marked

## chs. Subdivisione, Sp. 23 N, R. 8 E. (ct-9)

2 notches on N. & S. sides.

27.00 Leave timber, enter park, covered with bunch grass, hrs. N. 45° E.

40.00 Set lava stone 25 x 16 x 12 ins.  
21 ins. in the ground, for 1/4 sec. cor, marked 1/4 on N. face, raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.

71.00 Leave park, enter timber, hrs E & N.

72.76 A pine 28 ins. dia. on line, marked 2 notches on N. & S. sides.

78.20 Road to Tuba from Flagstaff, hrs. N. 45° E.

80.00 Set a malapai stone 22 x 12 x 8 ins.  
16 ins. in the ground, for cor. of sec. 16-17-20 & 21, marked 3 notches on S & 4 on E. edges, whence,  
A pine 24 ins. dia. hrs. N. 25° E.

## Chs. Subdivisions, Tp. 23 N., R. 8 E. (Ctd.)

234 lbs. dist. marked T. 23 N. R. 8 E.

D. 16 B.T.

a pine 24 ins. dia. hrs. S. 75° 15' E.

149 lbs. dist. marked T. 23 N. R. 8 E.

D. 21 B.T.

a pine 29 ins. dia. hrs. S. 2° 15' W.

373 lbs. dist. marked T. 23 N. R. 8 E.

D. 20 B.T.

a pine 35 ins. dia. hrs. N. 42° 30' W.

125 lbs. dist. marked T. 23 N. R. 8 E.

D. 17 B.T.

Land, rolling &amp; mountainous.

Soil, 2<sup>5</sup> & 4<sup>o</sup> rate.

Timber, pine, bunch grass.

mts &amp; heavy timber, 36.00 chs.

N. 89° 50' E. on random line bet. Secs.

16 and 21.

40.00 Det temp. 1/4 Sec. cor.



## Chs. Subdivisions, Sp 23 N, R. &amp; E. (Ltd)

- 10.40 Intersect N. & I. line 23 lks. I. of car.  
 sec. 15-16-21-922,  
 Hence  
 I.  $89^{\circ}40'$  N. on true line bet. Secs.  
 16 and 21.  
 Through pine timber & bunch grass.  
 Descend.
- 5.00 Bottom of descent, in dry wash,  
 15 ft. below sec. car, course N  $80^{\circ}$  E.
- 8.00 Ascend from wash, course I.  $60^{\circ}$  N.
- 19.00 Leave timber, enter park, hrs.  
 N.  $45^{\circ}$  N.
- 40.20 Set malapai stone 23 x 18 x 10 ins.  
 17 ins. in ground, for  $\frac{1}{4}$  sec. car.  
 marked  $\frac{1}{4}$  on N. face; raise a  
 mound of stone 2 ft. base,  $1\frac{1}{2}$  ft.  
 high, N. of car. Cuts impracticable.  
 A pine 40 ins. dia. hrs N.  $6^{\circ}$  N.  
 570 lks. dist. marked  $\frac{1}{4}$  I. 16 B.T.

Che. Subdivisions, Sp. 23 N, R. 8 E (Ch.)

74.50 Leave park & enter timber, hrs  
N. 80° E.

79.03 Road from Flagstaff, to Tuba,  
hrs. N. 45° E.

80.40 Car. of Decs. 16-17-20 & 21.

Land level,

Soil, 2° & 4° rate.

Timber, pine; bunch grass.

Heavy timber, 22.50 che.

N. 0° 3' W. bet Decs. 16 & 17.

Va. 15° 00' E.

Ascend.

2.00 ascend cinder hill, hrs. E. & W.

39.50 Top of same, 350 ft. above sec. car.  
hrs. E. & W.

40.00 Get lava stone 20 x 12 x 8 ins. 14  
ins. in ground for 1/4 Dec. car.  
marked 1/4 on W. face, whence,

Chs. Subdivisions, Tp. 23 N., R. 8 E. (C<sup>1</sup>)

a pine 15 ins. dia. hrs. S. 78° E.  
130 lks. dist. marked 1/4 S. 16 D.T.

a pine 18 ins. dia. hrs. N. 4° W.  
42 lks. dist. marked 1/4 S. 17 D.T.

50.50 Road, hrs. N. W. + S. E.

Descend N. slope of hill.

66.00 Foot of slope, hrs. E. + W.

Leave timber, hrs. E. + W.

80.00 Set lava stone 22 x 10 x 4 ins. 16  
ins. in ground, for cor. sec.

8-9-16 & 17, marked 4 notches on  
S. & 4 on E. edges, Cor. 120 ft.  
below sec. cor., from which,

a pine 24 ins. dia. hrs. N. 82° E.  
383 lks. dist. marked T. 23 N. R. 8 E.  
S. 9 D.T.

a pine 24 ins. dia. hrs. S. 59° 30' E.  
242 lks. dist. marked T. 23 N. R. 8 E.  
S. 16 D.T.

Chs. Subdivisions, T. 23 N., R. 8 E. (Ct<sup>d</sup>)

a pine 18 ins dia. hcs. T. 4430 W.  
232 lbs. dist. marked T. 23 N. R. 8 E.  
D. 17 D. T.

a pine 27 ins dia. hcs. N. 14° W.,  
80 lbs. dist. marked T. 23 N. R. 8 E.  
D. 1 D. T.

Land, Mountainous,

Soil, stony, 4th rate.

Pine, pinon & cedar,

mountainous land, 80 chains.

Aug. 30-1902.

Aug. 31. At 7 h. 4 m. a. m. l. m. t.,  
Sect off  $35^{\circ} 22' N.$  on lat. arc, and  
 $8^{\circ} 53' N.$  on decl. arc, and deter-  
mine a true meridian with the  
Solar, at the cor. of Decs. 8-9-  
16 & 17.

Aug. 31

Chs. Subdivisions, Sp. 23 N., R. 8 E.

N.  $89^{\circ}40'$  E. on random line bet.

Secs. 9 & 16.

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

80.30 Intersect N & I. line 15 lks. N. of  
cor. Secs. 9-10-15 & 16,

Thence

D.  $89^{\circ}46'$  N. on true line bet. Secs.

9 & 16.

Ascend over 2<sup>d</sup> class land, through  
pine timber, bunch grass, & chico  
brush.

13.00 Top of ascent 150 ft. above sec. cor.  
trs. E. & N. Thence along top of hill.

15.00 Descend N. slope of hill, trs. N.  $25^{\circ}$  N.

16.80 Pine 20 in. dia. on line, marked  
2 notches on E. & N. sides.

40.15 Set a malapai stone  $32 \times 20 \times 12$   
in., 24 in. in ground for  $\frac{1}{4}$  sec.  
cor., marked  $\frac{1}{4}$  on N. face.

## Chs. Subdivisions, Sp. 23 N., R. 8 E. (Ctd)

Thru<sup>14</sup> car. 200 ft. below top of hill.

From which,

a pine 30 ins. dia. brs. N 56° E.

25 lks. dist., marked  $\frac{1}{4}$  S. 9 B.T.

a pine 22 ins. dia. brs. S 52° E.

120 lks. dist., marked  $\frac{1}{4}$  S. 16 B.T.

43.47 a pine 25 ins. dia. on line, marked  
2 notches on E. & W. sides

48.00 Descent more gradual,

68.50 Malapai dyke, 15 ft. high, 200 ft.  
long, brs. S. 20° W.

77.00 Foot of descent, 500 ft. below top  
of hill, brs. N. & S.

80.30 Car. Decs. 8-9-16 & 17.

Land, mountainous

Soil, 2<sup>d</sup> & 4<sup>th</sup> rate.

Timber, pine; bunch grass &  
chico brush.

Mts, heavy timber & chico, 80.30 chs

## Chs. Subdivisions, Sp. 23 N. R. 8 E. (Ctd.)

N. 0° 3' W. bet. Secs. 8 & 9.

Va. 14° 45' E.

Through pine timber & bunch grass, along foot of W. slope of hill, bet. N. & S. 2<sup>d</sup> class land.

5.50 a pine 30 ins. dia. on line, marked 2 notches on N. & S. sides.

40.00 Set malapai stone 20 x 8 x 8 ins. 20 ins. in ground for 1/4 Sec. cor. marked 1/4 on W. face, from which,

a pine 15 ins. dia. bet. S 85° E, 220 lks. dist, marked 1/4 S. 9 S.T.

a pine 24 ins. dia. bet. S 14° W. 84 lks. dist, marked 1/4 S. 8 S.T.

44.07 a pine 12 ins. dia. on line, marked 2 notches on N. & S. sides.

78.55 a pine 20 ins. dia. on line, marked 2 notches on N. & S. sides.

Chs. Subdivisions, Sp. 23 N. R. 8 E. (ctd)

80.00 Set malapai stone 24 x 10 x 8 ins.  
18 mi. in ground, for cor. Secs.  
4-5-8 & 9, marked 5 notches on  
D & 4 on E edges,

A pine 15 ins. dia. hrs. N. 88° 30' E.  
126 lbs. dist. marked T. 23 N. R. 8 E.  
D. 4 B. T.

A pine 20 ins. dia. hrs. S. 21° 30' E.  
167 lbs. dist. marked T. 23 N. R. 8 E.  
D. 9 B. T.

A pine 20 ins. dia. hrs. S. 60° N.  
103 lbs. dist. marked T. 23 N. R. 8 E.  
D. 8 B. T.

A pine 20 ins. dia. hrs. N. 70° N.  
174 lbs. dist. marked T. 23 N. R. 8 E.  
D. 5 B. T.

Land, rolling

Soil, 2<sup>d</sup> rate.

Timber, pine; bunch grass.



## Chc - Subdivisions, Sp. 23 N, R. 8 E (Ct-3)

Heavy timber, 80.00 chc.

N.  $89^{\circ}46'$  E. on random line bet.  
Secs. 4 and 9.

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

80.32. Intersect N. & S. line 23 lks. N. of  
cor. secs. 3-4-9 & 10.

Thence

S.  $89^{\circ}56'$  N. on true line bet. secs.  
4 and 9.

Descend N. slope of O'Leary Peak.

15.00 Foot of slope 300 ft. below sec.  
cor. lns. N. & S. More gradual  
descent.

40.16 Set lava stone  $14 \times 10 \times 5$  ins. 9 ins.  
in ground for  $\frac{1}{4}$  sec. cor, marked  
 $\frac{1}{4}$  on N. face, whence,  
a pine 12 ins. dia. lns.

N.  $54^{\circ}35'$  E, 67 lks dist, marked  $\frac{1}{4}$  S. 40.T.

Chs. Subdivisions, Tp. 23 N., R. 8 E. (Ct.)

- a pine 10 ins. dia. hrs.  $T. 19030 N$ ,  
 10 lbs. dist., marked  $\frac{1}{4} T. 9 S. T.$
- 60.00 Descend (steep) over malapari  
 ledge, hrs.  $N. \& T.$ , 75 ft. to
- 68.00 Foot of steep descent.
- 80.32 Car Decs. 4-5-8+9.  
 Land, mountainous.  
 Trail, 4th rate.  
 Timber, pine  
 mts. & dense timber, 80.32 chs

$N. 0^{\circ} 3' W.$  on random line bet. secs.  
 4 and 5.

$Var. 15^{\circ} E.$

- 40.00 Det temp.  $\frac{1}{4}$  Sec. cor.
- 71.53 Intersect N. bdy. of Tp. at car.  
 Decs. 4-5-32+33.  
 Thence I run,  
 $T. 0^{\circ} 3' E.$  on true line bet Decs 4+5.

Chs. Subdivisions, Sp. 23 N., R. 8 E. (Ct<sup>d</sup>)

- 18.50 along W. slope of a lava mountain.  
Foot of mountain, 350 ft. below  
sec. cor. hrs. N.W. & S.E.
- 24.00 Ascend lava hill, hrs. E & W.
- 31.53 Get lava stone 26 x 12 x 3 ins. 20 ins.  
in ground, for  $\frac{1}{4}$  Sec. cor.,  
marked  $\frac{1}{4}$  on W. face,  
A pinon 6 ins. dia. hrs. E. 102  
lks. dist., marked  $\frac{1}{4}$  S. & D.T.  
A pine 3 ins. dia. hrs. S. 83° W.  
77 lks. dist., marked  $\frac{1}{4}$  S. 5 D.T.
- 36.50 Top of hill, 120 ft. high, hrs. N.E. & S.W.
- 59.00 Descend S slope of hill.
- 67.50 Foot of hill, 60 ft. below top, hrs.  
E. & W.
- 71.53 Car. Secs. 4-5-8 & 9.  
Land, mountainous.  
Pine, pinon & cedar.

Mountainous & dense timber. 71.53 chs.  
Aug. 31-1902.

Chs. Subdivisions, Sp. 23 N, R. 8 E (Et. 2)

Sept. 1: At 8 hr. 15 m. a.m. l.m.t.  
 Set off  $35^{\circ}19'$  N on lat arc, and  
 $8^{\circ}30'$  N. on decl. arc, and deter-  
 mine a true meridian with  
 the solar at the cor. of Secs.

5-6-31 & 32.

Sept. 1st. From cor. of Secs. 5-6-  
 31 & 32, on E. bdy. of Sp., which  
 is a sandstone, properly marked  
 and witnessed as described by the  
 Surveyor General.

From,

N.  $0^{\circ}3'$  W. bet. sec. 31 & 32.

Va.  $14^{\circ}45'$  E.

Over rolling timbered land.

32.26 a pine 24 in. dia. on line, marked  
 2 notches on N. & E. sides.

40.00 Set lava stone  $16 \times 12 \times 4$  in., 10 in.  
 in ground, for  $\frac{1}{4}$  sec. cor.,

Chc. Subdivisions, T<sub>p</sub> 23 N, R. 8 E. (Ctd)

marked  $\frac{1}{4}$  on N. face, N. hence,

a pine 25 ins. dia. hrs. S. 80° E.  
12.5 lks. dist., marked  $\frac{1}{4}$  S. 32 D.T.

a pine 15 ins. dia. hrs. N. 82° W,  
42 lks. dist., marked  $\frac{1}{4}$  S. 31 D.T.

68.00 Ascend S. E. slope of mesa.

80.00 200 ft. above  $\frac{1}{4}$  sec. cor. I find  
a lava rock in place 3 x 4 ft.  
one ft. above ground for cor. of  
Dec. 29-30-31 & 32. I chisel x  
at exact cor. point. From which,

a pine 7 ins. dia. hrs. N. 83° 30' E.  
81 lks. dist., marked T. 23 N. R. 8 E.  
S. 29 D.T.

a pine 4 ins. dia. hrs. S. 64° E.  
61 lks. dist., marked T. 23 N. R. 8 E.  
S. 32 D.T.

a pine 7 ins. dia. hrs. S. 36° 35' W,  
62 lks. dist., marked T. 23 N. R. 8 E.

Chs. Subdivisions, Tp. 23 N., R. 8 E. (ctd.)

T. 31 B.T.

a pine 18 ins. dia. hrs. N. 67° W.,  
74 lbs. diet, marked T. 23 N. R. 8 E.

T. 30 B.T.

Land, rolling & mts.

Rail, 4th rate.

Pine, pinon, cedar & oak.

mts & heavy timber, 80.00 chs.

N. 89° 43' W. on random line  
bet. Secs. 29 & 32.

40.00 Set temp. 1/4 Sec. cor.

80.07 Intersect N. & T. line at cor. of  
Secs. 28-29-32 & 33.

Hence Run,

T. 89° 43' W. on true line bet. Secs.  
29 & 32.

Over rolling ground, 2<sup>d</sup> class,  
through pine, cedar, pinon,

## Ech. Subdivisions, Sp. 23 N. R. 8 E. (Old)

- oak brush & bunch grass.
- 2.20 Road from Flagstaff to Tuba  
brs. N. 45° W.
- 32.00 Lenax Park, enter timber, brs.  
N. & S. Ascend.
- 38.00 Ascend along S. slope of rim of  
mesa, brs. S. 80° W.
- 40.03 1/2 Set lava stone 20 x 14 x 10 ins.  
14 ins. in ground, for 1/4 Sec.  
cor., marked 1/4 on N. face,  
A pine 15 ins. dia. brs. N. 76° E.  
89 lbs. dist., marked 1/4 S. 29 D.T.  
A pine 12 ins. dia. brs. S. 29° E.  
16 lbs. dist., marked 1/4 S. 32 D.T.
- 44.00 Enter oak brush, brs. N. & S.
- 60.50 Leave slope of rim. Descend.
- 61.00 Leave oak brush, brs. N. 77. & S. E.
- 64.00 Bottom of descent, in wash,  
bet. mesa & high hill, course S. 15° E.

chs. Subdivisions, Tp. 23 N, R. 8 E. (ctd)

Ascend S.E. slope of mesa.

80.07 Cor. Secs. 29-30-31 & 32.

This cor. 175 ft above bottom of wash.

Land, hilly & mountainous.

Soil, 2<sup>d</sup> & 4<sup>th</sup> rate.

Timber, Pine, oak brush & bunch grass.

Heavy timber & mountainous

80.07 chs.

S. 89° 43' W. on random line bet.  
Secs. 30 & 31.

40.00 Sect. temp. 1/4 sec. cor.

78.50 Intersect W. bdy. of Tp. 7 lks. N.  
of cor. secs. 25-30-31 & 36.

Thence S run,

N. 89° 40' E. on true line bet.  
Secs. 30 & 31.



## Chs. Subdivisions, Sp. 23 N, N. 8 E. (Ctd.)

Through pine timber.

18.73 Leave pine timber, bears N. & S.

38.50 Set lava stone  $17 \times 8 \times 8$  ins. 11 ins  
in ground for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  on N. face, raise mound of  
stones 2 ft. base  $1\frac{1}{2}$  ft. high, covered  
with earth, N. of cor. Pits in -  
practicable -

68.70 Descend E. slope of mesa, enter  
timber & brush, bears N. & S.

78.50 Cor. secs. 29-30-31 & 32.

Land, rough & stony.

Pine, pinon & cedar.

Mts & heavily timbered, 28.73 chs.

N.  $0^{\circ} 3' N.$  bet. Secs. 29 & 30.

Var.  $14^{\circ} 30' E.$

Along S. E. slope of mesa.

6.00 Top of mesa, 100 ft. above sec. cor.

- chs. Subdivisions, Sp. 23 N. R. 8 E. (Ctd.)
- hrs. N. E. & S. W.
- 15.00 Descend N. E. slope of mesa.
- 37.00 Foot of mesa, 350 ft. below top,  
hrs. N. W. & S. E.
- 40.00 Lava rock in place, 2 x 2 ft. 1 ft.  
above ground, a lava rock  
14 x 10 x 6 ins. marked 1/4 on N.  
face. is laid over car, from  
which,
- a pine 24 ins. dia. hrs. N. 76° E.  
89 lbs. dist. marked 1/4 S. 29 D. T.
- a pine 30 ins. dia. hrs. S. 29° W.,  
16 lbs. dist. marked 1/4 S. 30 D. T.
- 40.20 Ascend S. E. slope of hill.
- 44.00 Highest point, 100 ft. above 1/4 car.
- 60.00 Descend N. E. slope of hill.
- 63.00 Leave same, hrs. N. W. & S. E.
- 80.00 Get lava stone 24 x 18 x 10 ins. 18 ins.  
in ground, for car. secs. 19-20-29 & 30

Chs. Subdivisions, Tp 23 N, R. 8 E. (Ctd.)

marked 2 notches on J. & 5 on  
E. edges.

A pine 26 ins. dia. hrs. N. 40° E.  
200 lbs. dist. marked T. 23 N. R. 8 E.  
J. 20 B.T.

A pine 24 ins. dia. hrs. S. 62° E.  
64 lbs. dist. marked T. 23 N. R. 8 E.  
J. 29 B.T.

A pine 24 ins. dia. hrs. S. 59° W.  
63 lbs. dist. marked T. 23 N. R. 8 E.  
J. 30 B.T.

A pine 22 ins. dia. hrs. N. 7° W.  
61 lbs. dist. marked T. 23 N. R. 8 E.  
J. 19 B.T.

Land, mountainous

Tail, stony, 3rd rate

Pine, pumox & cedar & oak.

mts land, 80.00 chs.

Sept. 1st, 1902.

Chs. Subdivisions, Sp. 23 N. R. & E. (Ct<sup>d</sup>)

Sept. 2. at 7 a. m. l. m. t.  
 I set off  $35^{\circ} 21' N.$  on lat. arc,  
 and  $8^{\circ} 10' N.$  on decl. arc, and  
 determine a true meridian  
 with the solar at the cor. of  
 Secs. 19-20-29 & 30.

Sept. 2<sup>nd</sup>

$N. 89^{\circ} 43' E.$  on random line bet.  
 secs. 20 & 29.

40.00 Det temp. 14 Sec. cor.

79.80 Intersect N & S line 7 chs. S. of  
 cor. secs. 20-21-28 & 29.

Thence I run  
 $S. 89^{\circ} 40' W.$  on true line bet. secs.  
 20 & 29.

Descend W. slope of hill

10.60 Foot of same, hrs. N. & S.

30.50 Road to Grand Canon, hrs N. & S.

39.90 Det lava rock  $14 \times 14 \times 8$  ins. 9 hrs

chs. Subdivisions, Tp. 23 N., R 8 E (C<sup>2</sup>)

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

a pine 20 ins. dia. hrs. N. 28° 30' E.  
151 lks. dist, marked  $\frac{1}{4}$  S. 20 D.T.

a pine 24 ins. dia. hrs. S. 5° E,  
99 lks. dist, marked  $\frac{1}{4}$  S. 29 D.T.

60.50 Road, hrs. N. E. & S. W.

79.80 Cor. secs. 19-20-29 & 30.

Land, mountainous,

Soil, stony, 3rd rate.

Pine, piñon & cedar.

Mountainous & heavy timber

79.80 chs.

S. 89° 40' W. on random line bet.  
secs. 19 & 30.

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

78.45 Intersect W. bdy. of Tp. at cor.  
secs. 19-24-25 & 30.

Chs. Subdivisions, Tp. 23 N, R. 8 E. (Ct<sup>2</sup>)

Thence Iron,

N. 89° 40' E. on a true line bet.  
secs. 19 & 30.

Through timber.

38.45. Set lava stone 16 x 14 x 4 ins, 10 ins  
in ground, for 1/4 sec. cor.,  
marked 1/4 on N. face.

a pine 24 ins. dia. hrs. S. 1,80 N,

127 lks. dist. marked 1/4 S 30 O.T.

a pine 26 ins. dia. hrs. N. 36° E,

71 lks. dist, marked 1/4 S. 19 O.T.

78.45. Cor. Secs. 19-20-29 & 30.

Land, broken,

Soil, stony, 4" rate.

Timber, pine, oak & cedar,

Heavy timber, 78.45 chs.

N. 0° 3' N. bet. secs. 19 & 20.

Va. 14° 45' E.

Chs. Subdivisions, T<sub>p</sub>. 23 N., R. 8 E. (ct. 2)

- Over rolling, stony ground,  
through heavy timber
- 20.63 a pine 20 ins. dia. on line marked  
2 notches on N. & S.
- 21.00 Road, hrs. N. W. & S. E.
- 40.00 Set lava rock 18 x 10 x 7 ins. 12  
ins. in ground, for 1/4 sec. cor.  
marked 1/4 on N. face,  
A pine 16 ins. dia. hrs. S. 21° E.  
56 lks. dist. marked 1/4 S. 20 B.T.
- A pine 26 ins. dia. hrs. S. 24°  
30' N., 73 lks. dist. marked 1/4 S. 19 B.T.
- 80.00 a lava rock in place 3 x 3 ft.  
8 ins. above ground, for cor. of  
secs. 17-18-19 & 20, I mark x at  
exact cor. point, with 3 grooves on  
S. & 5 grooves on E. of (X).
- A pine 18 ins. dia. hrs. N. 50° 30' E.  
81 lks. dist. marked T. 23 N. R. 8 E. S. 17 B.T.

Chs Subdivisions, Tp. 23 N., R. 8 E. (Ch<sup>d</sup>)

a pine 26 ins. dia. - hrs. S. 65° E.  
96 lbs. dist, marked T. 23 N. R. 8 E.  
J. 20 B.T.

a pine 20 ins. dia. hrs. S. 15° 30' N.  
256 lbs. dist, marked T. 23 N. R. 8 E.  
J. 19 B.T.

a pine 20 ins. dia. hrs. N. 11° 30' N.  
36 lbs. dist, marked T. 23 N. R. 8 E.  
J. 18 B.T.

Land, rolling.

Soil, stony, 4" rate.

Timber, pine & pinon

Heavy timber, 80.00 chs.

N. 89° 40' E. on random line bet  
secs. 17 & 20.

40.00 Set temp. 14 Dec. cor.

80.00 Intersect N. & S line at cor.

Decs. 16-17-20 & 21.



## Chs - Subdivisions, Sp 23 N. R. 8 E. (Ctd)

Thence

S. 89° 40' W. on true line bet. sec.

17 &amp; 20.

Ascend through pine timber, &  
bunch grass, over rolling ground.

- 11.00 across cor. Malapai ledge, 6 ft.  
high, hrs. N. 85° E. & N. 60° W.
- 15.00 Dry wash, (no banks.) hrs. N. 45° W.
- 17.90 Road to Grand Canon, hrs. N. 60° W.
- 30.46 a pine 27 in. dia. on line, marked  
2 notches E & W. sides.
- 37.76 a pine 10 in. dia. on line, marked  
2 notches on E. & W. sides.
- 39.82 a pine 20 in. dia. on line, marked  
2 notches on E. & W. sides.
- 40.00 Set Malapai stone 18 x 10 x 8 in.  
12 in. in ground for 1/4 sec. cor.  
marked 1/4 on N. face, thence  
a pine 14 in. dia. hrs. N. 63° 30' E.

98.

## BOOK 477

Chs. Subdivisions, Tp. 23 N., R. 8 E. (Ctd.)

83 lks. dist. marked  $\frac{1}{4}$  D. 17 D.T.a pine 26 ins. dia. brs.  $S. 62^{\circ} E.$ 16 lks. dist. marked  $\frac{1}{4}$  D. 20 D.T.49.82 a pine 24 ins. dia. on line marked  
2 notches on E. & W. sides.75.80 Road to Big Springs, brs.  $S. 45^{\circ} W.$ 

80.00 Cor. secs. 17-18-19 &amp; 20.

Land, rolling.

Soil, 2<sup>d</sup> rate.

Timber, pine, bunch grass.

Heavy pine timber, 80.00 chs.

Sept. 2-1902.

Sept. 3. At 7 h. 4 m. a. m. l. m. t.  
I set off  $35^{\circ} 22'$  N. on lat. arc,  
and  $7^{\circ} 48'$  N. on decl. arc, and  
determine a true meridian  
with the solar at the cor. of  
secs. 17-18-19 & 20.

## Chs. Subdivisions, Sp. 23 N, R. 8 E. (Ctd.)

Sept. 3

T. 89° 40' N. on random line bet.

secs. 18 and 19.

40.00 Set temp. 1/4 sec. cor.

78.25 Intersect W. bdy. of Sp. 80 lks. N. of  
cor. of Secs. 13-18-19 & 24.

Set a lava stone 20 x 10 x 8 in.,  
14 in. in the ground, for C.C. to  
secs. 18 & 19, marked with 3 grooves  
on S & N. sides, C.C. on E., and  
raised a mound of stone, 3 ft.  
base, 1 1/2 ft. high, E. of cor., from  
which,

a pine 24 in. dia. hrs. N. 8° 30' E.,  
207 lks. dist, marked T. 23 N. R. 8 E.  
T. 18 C.C. O.T.

A. pine 15 in. dia. hrs. S. 25° E.,  
77 lks. dist., marked T. 23 N. R. 8 E.  
T. 19 C.C. O.T.

chs. Subdivisions, Sp. 23 N, R. 8 E. (Ctd)

Fence I run

N. 89° 40' E. on a true line bet  
Secs. 18 & 19.

Through pine & cedar timber.

38.25. Det lava stone 24 x 20 x 6 ins, 18  
ins. in ground, for 1/4 sec. cor,  
marked 1/4 on N. face, whence,

A pine 32 ins. dia. hrs. N. 65° E.  
93 lks. dist., marked 1/4 S. 18 S.T.

A pine 18 ins dia. hrs. S 81° 30' E.  
59 lks. dist., marked 1/4 S. 19 S.T.

78.25. Cor. secs. 17-18-19 & 20.

Land, rolling.

Soil, stony, 3rd rate.

Timber, pine & cedar.

Heavy timber, 78.25 chs.

N. 0° 3' W. bet. secs. 17 & 18.

Va. 14° 45' E.

Chs. Subdivision, Tp. 23 N., R. 8 E. (Ctd.)

Through heavy timber.

40.00 Set lava stone  $16 \times 12 \times 7$  ins. 10 ins.  
in ground, for  $\frac{1}{4}$  Sec. cor.

marked  $\frac{1}{4}$  on N face, whence,

A pine 20 ins. dia. hrs. N.  $62^\circ$  E.

57 lbs. dist. marked  $\frac{1}{4}$  S. 17 S. T.

A pine 20 ins. dia. hrs. N.  $88^\circ$  W.

107 lbs. dist. marked  $\frac{1}{4}$  S. 18 S. T.

49.00 Road hrs. N. W. 4 S. E.

80.00 Set lava stone  $13 \times 12 \times 7$  ins. 8 ins.  
in ground for cor. of secs. 7-8-

17 & 18, marked 4 notches on S.

& 5 on E. edges, from which,

A pine 25 ins. dia. hrs. N.  $48^\circ$  E.

275 lbs. dist. marked T. 23 N. R. 8 E.

S. 17 S. T.

A pine 25 ins. dia. hrs. S.  $37^\circ$  E.

150 lbs. dist. marked T. 23 N. R. 8 E.

S. 17 S. T.

Chs. Subdivisions, Sp. 23 N, R. 8 E. (Ctd.)

a pine 20 ins. dia. hrs.  $S. 44^{\circ} W.$   
 182 lbs diet. marked T. 23 N. R. 8 E.  
 D. 18 B. T.

a pine 22 ins. dia. hrs.  $N. 59^{\circ} 30' W.$   
 87 lbs diet. marked T. 23 N. R. 8 E.  
 D. 7 B. T.

Land, rolling.

Soil, stony, 3rd rate.

Timber, pine & pinon.

Heavy timber, 50.00 chs.

$N. 89^{\circ} 40' E.$  on random line bet.  
 secs. 8 & 17.

40.00 Det temp.  $1/4$  sec. cor.

80.24 Intersect N. & D. line at cor.  
 Secs. 8-9-16 & 17.

Thence I run,

$S. 89^{\circ} 40' W.$  on true line bet.  
 secs. 8 & 17.

Chs - Subdivisions, T<sub>p</sub> 23 N, R. 8 E. (etc)

Through timber & dense brush  
& Mts. land.

4. 40 Road to Grand Canon, brs. N. & S.
17. 00 Ascend S.E. slope of hill.
20. 00 Enter dense cedar brush, brs N. & S.
32. 00 Highest point on slope 200 ft.  
above cor.
40. 12 Set pinon post 3 ft. long, 4 in.  
sq., 24 in. in ground, for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on N. face,  
from which,  
     a pine 6 in. dia. brs. S. 80° E.  
     20 lbs. dist. marked  $\frac{1}{4}$  S. 17° E. T.
- a pine 12 in. dia. brs. N. 18° W.,  
     45 lbs. dist, marked  $\frac{1}{4}$  S. 8° E. T.
44. 00 Leave dense cedars, brs. N. & S.
55. 00 Descend S.W. slope of hill.
66. 00 Foot of hill, 200 ft. below  $\frac{1}{4}$  sec.  
cor. brs. N.W. & S.E.

## Chs. Subdivisions, Sp. 23 N, R. 8 E. (Ctd)

80.24 Cor. Secs. 7-8-17 &amp; 18.

Land, very rough &amp; rocky.

Timber, pine, pinon &amp; cedar.

Mts. &amp; dense brush, 80.24 chs

S.  $89^{\circ}40'$  N. on random line

bet. secs. 7 &amp; 18.

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

78.00 Fall 81 lbs. N. of old corner.

Set a lava stone  $15 \times 12 \times 8$  ins.

10 ins. in ground for the C. C.

to secs. 7 &amp; 18, marked with 4

grooves on S. &amp; 2 grooves on N.

faces, C. C. on E. face, and

raised a mound of stone, 2 ft.

base,  $1\frac{1}{2}$  ft. high, E. of cor., from

which,

A pine 30 ins. dia. hrs. N.  $68^{\circ}30'$  E.

135 lbs dist. marked T. 23 N, R. 8 E. D. 7



Chc. Subdivisions, T. 23 N., R. 8 E. (Ct<sup>d</sup>)

C. C. B. T.

a pine 24 mi. diam. hrs.  $T. 5^{\circ} E.$ ,  
153 lks. dist, marked T. 23 N., R. 8 E.

$T. 18$  C. C. B. T.

Thence

N.  $89^{\circ} 40' E.$  on true line bet. Secs. 7 & 18.

Over mts. and timbered land.

1. 10 Ascend N. slope of hill

31. 76 Top of hill, 400 ft. above sec. cor., hrs.  
N. & S.

32. 50 Descend E. slope of hill.

38. 00 100 ft. below top of hill.

Set a lava stone  $15 \times 8 \times 5$  mi., 9 mi.  
in ground, for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  on N. face, whence,

a pine 18 mi. diam. hrs.  $T. 59^{\circ} E.$   
16 lks. dist, marked  $\frac{1}{4}$   $T. 18$  B. T.

A pine 20 mi. diam. hrs. N.  $53\frac{1}{2}^{\circ} W.$ ,  
14 lks. dist, marked  $\frac{1}{4}$   $T. 7$  B. T.

chs. Subdivisions Sp. 23 N. R. & E. (cont'd)

62.00. Foot of hill, hrs. N & S,

72.40 Road hrs. N & S.

78.00 Cor. Secs. 7-8-17 & 18.

Land, rough, mts & stony.

Soil, cinders, 4' rate.

Timber, pine, pinon & cedars.

mts & dense timber, 78.00 chs.

Sept. 3-1902.

Sept. 4: At 7h. 11 m. a.m. l.m.t.,  
I set off  $35^{\circ}22'$  N. on lat. arc, and  
 $7^{\circ}26'$  N. on decl. arc, and determine  
a true meridian with the solar,  
at the cor. of Secs. 7-8-17 & 18.

Sept. 4.

N.  $0^{\circ}3'$  W. bet. Secs. 7 & 8.

Var.  $14^{\circ}45'$  E.

Descend through scattering pine,  
bunch grass & chris brush.

## chs. Subdivisions Sp. 23 N, R. 8 E (Contd)

- 40.00 Set malapai stone  $22 \times 14 \times 10$  ins.,  
16 ins. in ground, for  $\frac{1}{4}$  Sec. cor.  
marked  $\frac{1}{4}$  on W. face, from  
which,  
a pine 32 ins. dia. hrs. N.  $11^{\circ} 30' E$ .  
29 lbs. dist, marked  $\frac{1}{4}$  S. 8 D.T.
- a pine 23 ins. dia. hrs. S.  $56^{\circ} W$ ,  
152 lbs. dist, marked  $\frac{1}{4}$  S. 7 D.T.
- 50.08 a pine 21 ins. dia. on line marked  
2 notches on N & S. sides.
- 80.00 Set malapai stone,  $20 \times 12 \times 8$  ins.,  
14 ins. in ground, for cor. Secs.  
5-6-7 & 8, marked 5 notches on S. &  
E. edges, from which,  
a pine 28 ins. diam. hrs.  
N.  $39^{\circ} E$ , 228 lbs. dist, marked T. 23 N  
R. 8 E. S. 5 D.T.
- No other trees within limits,  
raise a mound of stone 2 ft. base,

chs. Subdivisions Tp. 23 N., R. 8 E. (cont.)

1/2 ft. high, W. of car, Cite impracticable.

Land, rolling & mts.

Tail, 2<sup>d</sup> & 4<sup>th</sup> rate.

Timber, scattering pines.

Veg- chico brush & bunch grass, mts., timber & chico, 80.00 chs.

N. 89° 40' E. on random line bet. sec. 5 and 8.

40.00

Set temp. 1/4 Sec. car.

80.34

Intersect N. & I. line 27 lks. N. of Car. of Secs. 4-5-8 & 9.

Thence Run,

I. 89° 52' W. on true line bet. Secs. 5 and 8.

Descend through pine timber, and chico brush.

3.25

Pine 30 in. diam. on line, marked

## chs. Subdivisions of 33 N. R. &amp; E. (Contd)

2 notches on E & W. sides.

16.70 Road from Flagstaff to Tuba, hrs.  
N. 15° W.

32.00 Foot of descent, in dry wash, hrs.  
N. 15° W., Rolling land.

40.17 1st malapai stone 15 x 10 x 10 ins,  
9 ins. in ground for 1/4 Sec. cor.,  
marked 1/4 on N. face, from which  
a pine 37 ins. diam. hrs. N. 22° 30' E.

164 lbs. dist., marked 1/4 I, 5 D.T.

a pine 34 ins. diam. hrs. I. 39° 15' W.

163 lbs. dist., marked 1/4 I. 8 D.T.

43.00 a pine 40 ins. dia. on line, marked 2  
notches on E & W. sides.

80.34 Car. Secs. 5-6-7 & 8.

Land, rolling.

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

Timber, pine.

Heavy timber & chico brush, 80.34 chains.

## Chs. - Subdivisions Sp. 23 N. R. 8 E. (Contd)

- I. 59140 W. on random line bet.  
 Tecs. 6 and 7.  
 40.00 Set temp  $\frac{1}{4}$  sec. cor.  
 78.60 Intersect W. bdy. of Sp. 46 lks. S.  
 of cor. of Tecs. 1-6-7 & 12.  
 Thence I run,  
 East on true line bet. Tecs. 6 & 7.  
 Over rolling ground, through  
 pinon & cedar, & scattering pines  
 & bunch grass & chico brush.  
 3.00 Road from Flagstaff to Tuba,  
 hrs. N. & S.  
 22.00 Dry wash, 4 ft. deep, hrs. N. & S.  
 23.00 Road from Flagstaff to Grand  
 Canon, hrs. N. 30° W.  
 34.00 Enter thick cedar, & pinon,  
 hrs. E. & W.  
 36.00 Pinon 12 ins. dia. on line, marked  
 2 notches on E. & W. sides.

## Chs. Subdivisions Sp. 23 N. R. &amp; E. (Cont'd)

- 38.60 Jet malapai stone  $20 \times 10 \times 10$  mi.  
 14 mi. in ground, for  $\frac{1}{4}$  Sec. cor.  
 marked  $\frac{1}{4}$  on N. face, from which  
 a pinon 8 mi. dia. brs.  $\angle 25^\circ E$ .  
 111 lbs. dist. marked  $\frac{1}{4}$   $\angle 6$  S.T.  
 a pinon 6 mi. dia. brs.  $\angle 5^\circ E$ .  
 47 lbs. dist. marked  $\frac{1}{4}$   $\angle 7$  S.T.
- 52.50 a pine 6 mi. dia. on line, marked  
 2 notches on E. & W. sides.
- 59.00 a pinon 8 mi. dia. on line, marked  
 2 notches on E. & W. sides.
- 62.00 Dry wash, 6 ft deep, brs.  $\angle 45^\circ W$ .
- 62.20 a pine 18 mi. dia. on line, marked  
 2 notches on E. & W. sides.
- 78.60 Cor. secs. 5-6-7 and 8.  
 Land, rolling.  
 Soil, 4th rate.  
 Pine, pinon, & cedar timber, chico  
 brush, bunch & gramma grass.

Chs. Tuddenmission Sp. 23 N. R. 8 E (cont'd)

Thick, dense timber, 78.60 chs.

N.  $0^{\circ} 3' W.$  on random line bet.

Secs. 5 and 6.

Va.  $140^{\circ} 45' E.$

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

71.60 Intersect N. bdy. of Sp. at cor of  
secs. 5-6-31432.

Thence I run,

$2^{\circ} 3' E.$  on true line bet. Secs.  
5 and 6.

Through heavy timber & chico brush.

31.60 Set malapai stone  $16 \times 10 \times 8$  ins,  
10 ins. in ground for  $\frac{1}{4}$  sec. cor,  
marked  $\frac{1}{4}$  on N. face,

a pinon 8 ins. dia. loc. N.  $67^{\circ}$   
 $30' E.$ , 94 lks. dist, marked  $\frac{1}{4}$  D. S. T.

No other trees within limits,  
raise a md of stone 2 ft. base,



Chs. Subdivisions, T<sub>23</sub> N. R. 8 E. (cont'd)

1 1/2 ft. high, N. of car. Cite impracticable.

45.66 A pinon 6 ins. dia. on line, marked 2 notches on N. & S. sides.

50.60 Enter thick cedar & pinon, hrs. S. 45° W.

54.30 Road from Flagstaff to Tuba, hrs. N. 45° E.

59.85 Bottom of dry wash, hrs. N. 45° E., wash, 10 ft. deep.

60.60 Bank of dry wash, hrs. N. E. & S. W.

71.60 Cor. Secs. 5-6-7 & 8.

Land, rolling.

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

Timber, pinon, pine, & cedar.

Chico brush, bunch grass.

Heavy timber, 71.60 chs.

Sept. 4th, 1902.

Subdivisions, T<sub>p</sub> 23 N., R. 6 E. (cont'd)

General Description.

There is a divide near the center of the Township, running E. and W., causing surface to slope to N.E., also to S.E.

There are immense lava beds in the central Eastern portion, with crevices from 3 to 10 ft. wide, & 10 to 25 ft. deep.

Sunset Mountain, which has a crater, is a dormant volcano, & covers secs. 23 & 24. There are other black cinder Mts. covering the Eastern portion of the T<sub>p</sub>.

O'Leary Mt. is in the N.E. portion & is about 1500 to 1800 ft. above the surface, being about 8 or 9 thousand ft. above the sea

## Subdivisions of 23 N. R. &amp; E. (concluded)

level. This is a very rough, volcanic mountain, covered with spruce, pine, pinon & cedar.

There is a good deal of aspen timber on the N. slope of this mountain.

Very little grass in E. portion, fair grass in W. part. There is much chico brush.

No settlers or living water on the Sp., water being hauled from Flagstaff, a distance of 15 to 25 miles.

James A. Sampson  
U. S. Deputy Surveyor.

BOOK 477 116

A P P R O V A L.

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

*Nov. 14 - 1903*

foregoing field notes of the sur-  
f *the subdivisions of T. 23 N. R. 8 E*

e Gila and Salt River Base and Me-  
n, in the Territory of Arizona.

ted by *James M. Lamport*

l States Deputy Surveyor, under his  
act No. 98, dated *June 30 - 1902*,

g been critically examined, and the  
sary corrections and explanations

the said field notes, and the sur-  
they describe, are hereby approved.

*Frank Angell*

U. S. Surveyor-General.