

SUBDIVISIONS  
T. 25 N. R. 8. E  
LAMPART  
Book C.



Nº 1

Book C.

No. 511

BOOK 511

4-671

511

**FIELD NOTES**  
GENERAL LAND OFFICE.

Recd Nov 26. 1903

Checks O.K.

Placed Lists Nov. 31/03

notes copied C.M. 12/5/03

" Comp C.M. M. Es Dec. 7/03

Oaths Dec 8/03. Teasley

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" " Comp C.M. & E.V. 12/9/03

facts checked. G.H. & M.T.

(re-copied Mech. 1/6/04 E.V.)

Re-composed by Les. G. Hunt  
4/6/04

Subdivision T. 25-N. R. 8 E.

Field Notes  
of the survey of the  
Subdivision  
of  
Township 25-North, R. No. 8 E  
of the  
Gila and Salt River  
Base and Meridian  
in the  
Territory of Arizona  
as surveyed by  
James A. Lamport  
U. S. Deputy Surveyor

Under his contract No 98  
Dated June 30, 1902

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Survey commenced <sup>Sept 30</sup> ~~Oct 1st~~ 1902  
Survey completed Oct 29, 1902

21  
A

## Subdivisions of

Names &amp; duties of Assistants

Fred O. Roberts Chairman

Archie McDermid "

John Pradt Axeman

Lester C. Lamport Flagman

13

4-674.

Township 25<sup>n</sup>. R. 8 E.

BOOK 511

	6	94	5	69	4	53	3	38	2	22	1
	95		93		68		53		37		20
	7	92	8	67	9	52	10	35	11	19	12
	90		89		66		51		34		17
101	18	88	17	64	16	50	15	33	14	16	13
	86		84		63		49		32		15
101	19	83	20	62	21	47	22	31	23	13	24
	81		79		61		46		29		11
100	30	77	29	59	28	44	27	27	26	9	25
	74		73		57		42		26		7
99	31	71	32	55	33	41	34	23	35	5	36

Preliminary Oaths of Assistants.

BOOK 511

10  
We Fred O Roberts  
and Archie Mc Dermid  
do solemnly swear that we will well and faithfully execute  
the duties of Chain Carriers; that we will level the chain over  
even and uneven ground, and plumb the tally pins, either by  
slicing or dropping the same; that we will report the true dis-  
tance 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  
<sup>exterior & Subdivisional</sup> lines of  
Townships 23, 24, and 25 North  
range 8 east and retrac-  
ments of some extra Bands  
of same, <sup>that may be necessary</sup>  
of the principal base and meridian in the Territory of Arizona.

Fred O. Roberts Chainman.

Archie McDermid Chainman.

Subscribed and sworn before me, this 11<sup>th</sup>

day of August 1902

James A. Sampson  
Notary Public.  
U.S. Dept Surveyor

We John Pradt & Lester<sup>10</sup>  
L. Lampfort

do solemnly swear that we will well and truly perform the  
the duties of axeman and flagman

in the establishment of corners and other duties according to  
instructions given us, and to the best of our skill and ability,  
in the survey of the exterior & subdivisional lines  
of Tps 23 24 & 25 N. Range 8 East &  
retracement of E. Bdy T<sup>o</sup> 24 N.  
R 7 E & any other retracements  
reqd. in these Tps.

of the principal base and meridian in the Territory of Arizona.

John Pradt Axman  
Lester L. Lampfort Flagman

Subscribed and sworn to before me this 11<sup>th</sup>

day of August 1882

James A. Lampfort  
U.S. Deputy Surveyor  
Notary Public.

Y. 25-N. R. 8 E.

Survey commenced Sept. 30-1902, and executed with a W. & L. G. Gurley Transit, No. 15, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude & declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the Surveyor General for Arizona, Summer of 1902.

Examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. & p.m.



Ip 25 N, R & E.

hours, with a true meridian determined by observations on Polaris, & proceed as follows.

At the Standard cor. of Secs. 35 and 36, on South bdy. of Ip, which is a malapai (lava) stone, 6 ins above ground, properly marked & witnessed;

Latitude  $35^{\circ}30'41''$  N, Longitude  $111^{\circ}27'58''$  W.

Set off  $35^{\circ}31'$  N. on the lat. arc,  $2^{\circ}41'$  E. on the decl. arc, and at 3 hr. 00 m. p. m., l. m. t., determine with the solar a true meridian, and mark a point thereof on a stone, firmly set in the ground, 5 chs. N. of the cor.

At 6 hrs. 46 mins. p. m., by my watch, which is correct l. m. t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point

Sp. 25 N, R. 8 E

in the line thus determined, on a  
plug driven in the ground, 5 chs. N.  
of my station. Sept. 30. 1902.

Oct. 1-1902. At 7 h. 30 m. a.m., l.m.t.,  
I lay off the azimuth of Polaris  
 $1^{\circ}29'$  to the West, and mark the  
true meridian thus determined, by  
cutting a small groove in the  
stone already set Sept. 30, on which  
the true meridian falls .3 ins. east of  
the mark determined by the solar.

At 8 hr. a.m. l.m.t., I set off  
 $35^{\circ}31'$  N. on the lat. arc,  $2^{\circ}57'$  N.  
on the decl. arc, and mark a  
point on the true meridian deter-  
mined with the solar, by a cross  
on the stone already set, 5 chs. N.  
of my station; this mark falls  
.2 ins East of the true meridian

Sp. 25 N. R. & E

established by the Polaris observation.

The solar apparatus by p.m. & a.m. observations, defines positions for true meridians, respectively, about  $16''$  N. and  $10''$  East of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 8 hr. 00 m. a.m. is  $N. 14^{\circ} 45' N.$ ; the angle thus determined, reduced by the table, page 100, gives the mean magnetic declination =  $14^{\circ} 43' E.$

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4 fr 25 - N. R. & E.  
cho

I commence at the cor  
of sees ~~32~~, 35, and 36 on  
the S. bdy of the Tfr, 6<sup>th</sup>  
Standard parallel N, which  
is a malapai stone, 6 ins above ground  
marked S.C. on N, with 1 groove on E + S on N. edge  
*properly marked & witnessed*

Thence I run

N.  $0^{\circ}1'$  W, bet sees 35 and 36

<sup>On  $14^{\circ}45'$  E.</sup>  
Through thick cedar & fir on

3.31 Trail to Tuba from Flagstaff  
brs N.  $35^{\circ}$  E.

40.00 Set a malapai stone 12x8x6 in  
8 ins in the ground for  $\frac{1}{4}$   
see cor. marked  $\frac{1}{4}$  on N. face  
A cedar 7 ins diam brs N.  $44^{\circ}$   
 $13'$  E, 15 lks dist marked  $\frac{1}{4}$  S. 36 1/2  
A cedar 6 ins diam brs N.  $73^{\circ}30'$  W  
23 lks dist marked  $\frac{1}{4}$  S. 35 1/2 W

42.00 Slight ascent brs E + W.

47.16 A cedar 8 ins in diam on

## Subdivisions of

chs	line, marked 2 notches on S. and 2 on N. faces.
54.00	Top of ascent on mesa 75-ft above bottom
68.00	Slight descent brs E + W.
70.00	with 50 lbs bias, corr. East.
72.08	A cedar 10 ins diam. on line marked 2 notches on N. and 2 on S. faces
80.00	Set a malapai stone 20x16x8 ins 12 ins in the ground for cor secs 25, 26, 33 and 36 marked 1 notch on S. and 1 on E. edges, from which A cedar 5 ins diam brs N. 17° E, 126 lks dist, marked T. 25-N. R. 8 E. S. 25- B. Y. A cedar 8 ins diam brs S. 39° E. 25-lks dist marked T. 25-N. R. 8 E. S. 36 B. Y. A cedar 9 ins diam brs

4 pr. 25- N. R. 8 E.

also

S.  $52^{\circ}$  W, 224 lks dist marked  
T 25 N. R 8 E. S. 35-13.7.

A cedar bins diam here  
N.  $25^{\circ}30'$  W 163 lks dist marked  
T. 25 N. R. 8 E. S. 26 13.7.

Land Rolling  
Soil volcanic cinders, 4<sup>th</sup> rate  
Timber thick Cedar and  
Piñon 80,000 chains

E. on random line bet  
secs 25 and 36

40.00 Sit temp 1/4 sec cor.

79.80 Intersect E. body of Tpr 10 lks  
N. of cor secs 25, 30, 31, and 36  
Thence I run

N. 89 36 W. on true line bet  
secs 25 and 36, through  
thick cedar + Piñon over  
volcanic land.

## Subdivisions of

Chs	
29.00	Old Indian ruins.
39.90	Sit malapai stone 16 x 10 x 6 ins 11 ins in ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N. face. From which A cedar 5 ins diam brs N. $15^{\circ}$ E, 66 lks dist - marked $\frac{1}{4}$ S 25.13.9. A Cedar 8 ins diam brs S. $47^{\circ}$ 10 E 8 lks dist - marked $\frac{1}{4}$ S. 36.13.9.
44.00	Descend into dry wash course N. $45^{\circ}$ E
47.25	Bottom of wash 50 lks wide 50 ft deep course N. $45^{\circ}$ E. Ascend
51.00	Top of ascent brs N. $45^{\circ}$ E. 30 ft above bottom
79.80	Cor sees 25, 26, 35 and 36. Land rolling Soil, fine volcanic andes 4 <sup>th</sup> rate. Timber dense cedar and Piñon
	<u>79.80 chains</u>

Tfr. 25-N. R. &amp; E.

cls

N.  $0^{\circ} 1' W.$  hit sec 25 and 26.  
<sup>Dir.  $140^{\circ} 45' E$</sup>   
 Over rolling land, through  
 dense Cedar and Pinon.

Slight descent

- 22.00 Foot of descent, 40 ft below sec.  
 cor. brs N.  $45^{\circ} E.$
- 25.00 Cedar 6 ins diam on line  
 marked 2 notches on N + S. sides
- 36.00 A cedar 5 ins diam on line  
 marked 2 notches on N + S. sides.
- 39.00 Dry wash 15 ft deep, 25 yds wide  
 brs N.  $45^{\circ} E.$
- 40.00 Set a lava stone  $20 \times 12 \times 8$  ins  
 15 ins in ground for  $\frac{1}{4}$  sec  
 cor. marked  $\frac{1}{4}$  on W. face.  
 A cedar 10 ins diam brs S.  $85^{\circ} E.$   
 105 yds dist marked  $\frac{1}{4}$  S. 25. B. S.  
 A cedar 6 ins diam brs S.  $89^{\circ} W.$   
 195 yds dist marked  $\frac{1}{4}$  S. 26. B. S.
- 44.00 Descend over rolling ground.



## Subdivisions of

chs

45.80

Cedar 10 ins diam on line  
marked 2 notches on S. & N. sides

61.94

Cedar 8 ins diam on line  
marked 2 notches on S. & N. sides

80.00

Set a malapai stone 18x14x10 ins  
12 ins in ground for cor to  
secs 23, 24, 25 and 26 marked  
2 notches on S. and 1 on E. edges  
From which

A cedar 5 ins diam brs  
N.  $67^{\circ} 16' E$ , 32 lks dist, marked  
T. 25-N. R. 8 E. S. 24 B. Y.

A cedar 6 ins diam brs  
S.  $83^{\circ} E$ , 41 lks dist, marked  
T. 25-N. R. 8 E. S. 23; B. Y.

A cedar 8 ins diam brs  
S.  $22^{\circ} 23' N$  165 lks dist, marked  
T. 25-N. R. 8 E. S. 26 B. Y.

A cedar 6 ins diam brs  
N.  $62^{\circ} 25' N$ , 36 lks dist, marked

Twp 25-N. R. 8 E.  
chs

T. 25 N. R. 8 E. S. 23 B. 9.

Land 30 chains mountainous  
and 50 chs rolling heavily cov-  
ered with cedar and Piñon  
Soil fine volcanic cinders, 4<sup>th</sup> rate  
Timber Cedar and Piñon  
Mountainous and dense  
Cedar & Piñon 80,000 chs

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S. 89° 56' E. on random line  
bet secs 24 and 25-

40,00 Set temp 1/4 sec. cor.

80,12 Intersect E. bdy. of Twp. 9 lbs  
S. of cor secs 19, 24, 25 and 30  
Thence down

West on true line bet secs  
24 and 25, over rolling  
ground, through dense  
cedar and Piñon.

Ascent, brs N. 45° W.

## Subdivisions of

- |              |  |
|--------------|--|
| chs<br>25.00 | Top of ascend, 25 ft above sec cor, brs N. + S. Descend,   |
| 32.00        | Foot of descend 30 ft below top, brs N. and S.   |
| 36.47        | A cedar 7 ins diam on line marked 2 notches E and W. Sides   |
| 39.08        | a cedar 8 ins diam on line marked 2 notches on E and W. sides  |
| 40.06        | Set a malapai stone 20x10x8 ins 15 ins in ground for 1/4 sec. cor. marked 1/4 on N. face.<br>A cedar 7 ins diam brs N. 37° 30' W.<br>122 lks dist marked 1/4 S. 24° 13' E.<br>A cedar 6 ins diam brs S. 75° 25' W.<br>83 lks dist marked 1/4 S. 23° 13' E. |
| 67.00        | Dry wash 150 lks wide, 10 ft deep course N. and S.   |
| 80.12        | Cor secs 23, 24, 25 + 26.<br>Land 40 chs into, 40 chs rolling covered with dense growth  |

Tfr 25- N. R. 8 E.

cls

1 cedar and pinon

BOOK

511

725.8

12A

Oct. 2-1902: At 7 h. 00 m. A.M.

L.M.T. I set off  $35^{\circ}32'00''$  N. on thelat. arc,  $3^{\circ}18'S$  on the decl. arc,and determine a true meridian at  
the cor. of Secs. 23-24-25 & 26.

Thence I run

and class brush, over  
rolling land, 4th rate.

Ascend

9.00

Top of ascend on mesa, 40ft  
above cor. brs N.  $45^{\circ}$  E

13.00

Descend from mesa on N.E. cor.

16.50

Ledge of lava rock 8ft high  
brs E. and N.

20.00

Foot of descent 40ft below  
top brs S.  $45^{\circ}$  E. rolling land.

40.00

Set a Kalapoi stone  $16 \times 12 \times 8$  ins  
9 ins in ground for 1/4 sec. cor.

Subdivisions of  
chs.

- marked  $\frac{1}{4}$  on N. face  
From which  
A cedar 4 ins diam brs  
N.  $61^{\circ}43'E$  5-6ths dist marked  
 $\frac{1}{4}$  S24B. S.
- A cedar 9 ins diam. brs S.  $57^{\circ}25'W$   
6.9 lks dist, marked  $\frac{1}{4}$  S22B. S.
- 69.00 Lean cedar + pinon, entire  
rolling prairie country
- 80.00 Set malaprai stone 16x10x6 ins  
11 ins in ground for cor  
secs 13, 14, 23 + 24 marked  
3 notches on S + 1 on E. edges.  
A cedar 8 ins diam brs S.  
 $10^{\circ}0'W$ , 197 lks dist marked  
T. 25-N. R. 8 E. S. 23. B T. <sup>no other</sup> <sub>limit</sub>  
any mound of stone  $2\frac{1}{2}$  ft. base  $\frac{1}{2}$  ft. high N. of cor  
Land 20 chs into. 60 chs rolling  
70 chs covered with dense  
growth of cedar + pinon  
Soil 4<sup>th</sup> rate.

Tfr 23-N, R. 8 E.

dis

Land mountainous + dense  
growth 80.00 chains

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E. on random line bet  
secs. 13 and 24.

40.00 Set temp 1/4 sec. cor.

80.24 Intersect E. body of Tfr. 11 lbs  
N. of cor sec 13, 18, 19 and 24.  
Thence I run.

N. 89° 55' W on true line bet  
secs 13 and 24, through  
Cedar + pinon and thick  
chico brush  
Descend.

57.00 Foot of descent 30 ft below  
sec. cor. bet N. + S.  
Rolling land

40.12 Set a malapai stone 18x10x8 ins  
12 ins in ground for 1/4 sec  
cor. marked 1/4 on N. face

## Subdivisions of

chs

From which

A Cedar 8 ins diam brs

N.  $48^{\circ} 40' W$  146 lks dist marked  $\frac{1}{2}$  13.7.A cedar 14 ins diam brs S.  $75^{\circ} 45' E$ 

107 lks dist marked 1/4 S. 24 13.7.

42.00

Leave cedars, enter rolling  
prairie country

80.24

Cor. secs 13, 14, 23 &amp; 24.

Land mts + rolling

Soil 4<sup>th</sup> rate

Timber Cedar + pinon

Mts land + dense growth

42.00 chains.

Dried

N.  $0^{\circ} 1' W$  bit secs 13 and 14  
through dense chico brush  
over rolling 4<sup>th</sup> rate land.

23.50

Dry wash 5-ft deep, 50 lks  
wide course N.  $45^{\circ} E$ .

40.00

Set a malapari stone 18 x 10 x 8

Tfr 25- N. R. 8 E.

chs

ins 12 ins in ground for  
 $\frac{1}{4}$  sec. cor marked  $\frac{1}{4}$  on W. face.  
 Raise end of stone 2 ft base  
 $1\frac{1}{2}$  ft high W. of cor. Pits  
 impracticable

80.00

Set a malapai stone 20x10x9 ins  
 15 ins in ground for cor sec  
 11, 12, 13 & 14 marked 4 notches  
 on S. and 1 on E. edges, raise  
 mound of stone 2 ft base  $1\frac{1}{2}$  ft  
 high W. of cor.

Pits impracticable

Land rolling

Soil 4<sup>th</sup> rate

Timber none

Dunse Chico brush 80.00 chs

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S. 89° 5' E on an random  
 line bet secs 12 and 13

40.00

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



## Subdivisions of

chs

80,12

Intersect E. bdy of Tfr 18 lks S.  
of cor sees 7, 12, 13 and 18.

Thence I run

S.  $89^{\circ}57'$  W on true line bet  
secs 12 and 13. over rolling  
4<sup>th</sup> rate land, covered with  
chico brush.

Slight descent

34.00

Foot of descent in dry wash  
2 chs wide, 40 ft below sec. cor.

course N.  $45^{\circ}$  E. Slight ascent.

40.06

Set a malapai stone  $14 \times 12 \times 8$  ins  
9 ins in ground for  $\frac{1}{4}$  sec. cor.  
marked 14 on N. face, raise  
mid of stone 2 ft base  $1\frac{1}{2}$  ft high  
N. of cor. Pits impracticable

80,12

Cor sees 11, 12, 13 and 14,  
4 ft above bot. of wash.

Land rolling

Soil 4<sup>th</sup> rate

Tfr 25-N. R. 8 E.

cls

Trinber none

A. ... ..

Oct. 3-1902. At 7 hr. 00 m. a.m. 2 m t.  
 Set off  $35^{\circ}34'0''$  N on the lat. arc,  $3^{\circ}41'$  S.  
 on the decl. arc, and determine true  
 meridian at the cor. of Secs. 11-12-13 & 14.  
 Hence True,

40.00

Set a lava stone  $16 \times 12 \times 8$  ins  
 12 ins in ground for  $\frac{1}{4}$  sec  
 cor. mark  $\frac{1}{4}$  on W. face.  
 Raise mound of stone  
 2 ft base  $1\frac{1}{2}$  ft high N. of cor.  
 Pits impracticable

50.00

Steep descent brs N.  $70^{\circ}$  W.

53.00

Foot of descent diam. 200 lks  
 voids brs S.  $70^{\circ}$  E

80.00

Set limestone  $16 \times 12 \times 5$  ins 11 ins  
 in ground for cor sec  
 1, 2, 11, and 12, marked

20

Subdivisions of  
 chs 5 notches on S. and 1 on E. edge  
 Raise mound of stone 2 ft-  
 base 1 1/2 ft. high N. of cor.  
 Pits impracticable  
 Soil 4<sup>th</sup> rate  
 Timber none  
 Land mountainous 5 3. chs

---

N. 89° 3' E on random line  
 bet secs 1 and 12 ca. 15° 0' E  
 40.00 Set temp 1/4 sec cor.  
 80.14 Intersect E. body of Tfr. gels  
 N. of cor secs 1, 6, 7, and 12  
 Thence I run  
 N. on true line bet  
 secs 1 and 12, over  
 rolling 4<sup>th</sup> rate land  
 covered with limestone &  
 scattered cedars.  
 .50 Steep ascent over limestone

Apr 25 N. R. & E.

- ch<sup>s</sup> ledge, 20ft high brs N.  $58^{\circ}$  W.
- 3.50 Descend from top of same
- 4.00 Old Indian ruins.
- 10.00 Top of slight ascent brs N. & S.
- 17.50 Cedar 6 ins diam on line marked, 2 notches on E & W. sides
- 22.00 Enter thick cedars brs N & S.
- 40.07 Set a limestone 20x10x10 ins 15 ins in ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face. Raise mound of stone 2ft base  $1\frac{1}{2}$ ft high N. of cor. Pile impracticable.
- 68.38 Descend from limestone mesa 20ft high brs N.  $65^{\circ}$  E.
- 76.50 Wash 150 lbs. side bears N.  $10^{\circ}$  W.
- ~~77.20 Limestone ledge 20ft in diam brs N. and S.~~
- 77.40 Leave onto land, enter valley brs N. and S.

- Subdivisions of
- chs  
80.14 Cor sees 1, 2, 11 and 12  
Land rolling + mts.  
Soil 4<sup>th</sup> rate, covered with  
limestone  
Trunks cedars.  
Land mountainous and  
cedars. 77.40 chains
- 40.00 N. 0°1' W. on random line  
bet sees 1 and 2.  $\text{Ra. } 14^{\circ} 40' \text{ E}$
- 80.00 Sit temp  $\frac{1}{4}$  sec cor.  
Intersect N. body of T<sub>p</sub> 36's  
E of cor sees 1, 2, 35 and 36  
Thence I run  
S. 0°2' E. on true line bet  
sees 1 and 2
- 4.60 Old road from Flagstaff  
to Tanner Tank brk N.E. or S.W.
- 40.00 Sit a limestone 24 X 12 X 5' in  
18' in ground for  $\frac{1}{4}$  sec

Twp 25 N. R. 8 E.

chs

cor marked 14 on N. face  
 Raise mound of stone  
 2 ft-base 1 1/2 ft-high N. of cor.  
 Pits impracticable

80.00

Cor secs 1, 2, 11 and 12  
 Land rolling open prairie  
 Soil 4<sup>th</sup> rate.  
 Timber none

Oct 3<sup>d</sup> 1902

Oct 4<sup>th</sup>: at 7<sup>45</sup> A.M. l.m.t, I  
 set off 35°30' on lat arc; <sup>4°41'</sup>~~3°42'~~  
 on decl arc; and determine  
 true meridian with the solar  
 at the cor secs ~~2, 3~~, 34 and 35  
 on the S. bdy of Twp.

Thence I run  
 N. 0°1' W. bet secs 34 and 35.  
<sup>22.14°45'E</sup>  
 from standard cor at foot of mesa.  
 through dense growth of cedar  
 and Piñon timber. Ascend

## Subdivisions of

- |             |  |
|-------------|--|
| chs<br>3.45 | Cedar 14 ins diam on line<br>marked 2 notches on S and N. sides  |
| 31.00       | Top of ascent 40 ft above sec cor<br>brs N. 70° E.   |
| 32.50       | Cedar 5 ins diam on line<br>marked 2 notches on S and N. sides   |
| 40.00       | Set Malapai stone 16x12x6 ins<br>12 ins in ground for 1/4 sec cor<br>marked 1/4 on W. face.<br>A cedar 14 ins diam brs N. 70° 21' E<br>57 lks dist marked 1/4 S. 35 B. 7.<br>A cedar 10 ins diam brs S. 82 1/2° W<br>124 lks dist marked 1/4 S. 34 B. 7. |
| 40.50       | Dry wash 5 ft deep, 100 lks wide<br>course E and W.  |
| 41.25       | Malapai ledge 5 ft high brs E+W.   |
| 50.20       | Cedar 4 ins diam on line<br>marked 2 notches on S and N. sides   |
| 80.00       | Set Malapai stone 14x12x10 ins<br>9 ins in ground for cor seco   |

Twp 25-N. R. 8 E.  
 chs

26, 27, 34 and 35 marked  
 1 notch on S. and 2 on E. edges  
 From which

A Cedar 5 ins diam brs  $N. 89^{\circ} E$   
 35 lks dist marked T 25-N.  
 R. 8 E. S. 26 B. Y.

A Cedar 4 ins diam brs  $S. 55^{\circ} E$ .  
 56 lks dist marked  
 T. 25-N. R. 8 E. S. 35-B. Y.

A Cedar 6 ins diam brs  
 S.  $50^{\circ} W$ , 8 lks dist marked  
 T. 25-N. R. 8 E. S. 34 B. Y.

A cedar 4 ins diam brs  
 N.  $18^{\circ} W$ . 11 lks dist marked  
 T. 25-N. R. 8 E. S. 27 B. Y.

Land rolling

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

Dense growth Cedar and  
 Pinon 80.00 chains

---



- Subdivisions of  
 elev E. on random line bet  
 sees 26 and 33-
- 40.00 Sit temp  $\frac{1}{4}$  sec. cor.
- 80.20 Intersect N. and S. line 5 lks N. of  
 cor. sees. 25, 26, 35 and 36.  
 Thence I run  
 N.  $89^{\circ} 5' 8''$  W on true line  
 bet sees 26 and 35-  
 Ascending through cedars  
 and thick brush.
- 6.00 Top of ascent 60ft above see  
 cor. br. N.  $45^{\circ}$  W.  
 Rolling ground, slight ascent.
- 40.10 Sit malapai stone  $12 \times 12 \times 8$  ins  
 9 ins in ground for  $\frac{1}{4}$  sec  
 cor, marked  $\frac{1}{4}$  on N. face  
 A cedar 6 ins diam br. N.  $74^{\circ} 30'$  W  
 43 lks dist  
 marked  $\frac{1}{4}$  S 26 B. Y.  
 A cedar 7 ins diam br  
 S.  $64^{\circ} 5' 3''$  E 100 lks dist, mark-

Tfr 25 N. R. 8 E.  
chs

ed  $\frac{1}{4}$  S 35° 13' N.

80.20 Cor secs 26, 27, 34 + 35:

Land 10chs hilly, 70chs rolling  
Soil 4<sup>th</sup> rate,

Dense growth Cedar and  
Piñon & brush 80, 20 chs

---

N. 0° 1' W. bet secs 26 + 27

<sup>70. 14° 45' E</sup>  
Over rolling land covered  
with dense growth Cedar  
and piñon

36.50 Rock strewn wash 10ft deep  
50lks wide brs N. 45° E

40.00 Set malapai stone 14x8x8 ins  
9 ins in ground for  $\frac{1}{4}$  sec cor  
marked  $\frac{1}{4}$  on W. face, whence  
a cedar 5 ins diam brs N. 59° 30' E  
33 lks dist, marked  $\frac{1}{4}$  S 26° 13' N.  
A cedar 6 ins diam brs S. 12° 33' W  
67 lks dist, marked  $\frac{1}{4}$  S 27° 13' N.

## Subdivisions of

chs  
53.00Wash 20 lks wide 20 ft deep brs  
N 45° E

80.00

Set a lava stone 16X10X10 ins, 11 ins  
in ground for cor to sec  
22, 23, 26 and 27, marked  
2 notches on S. and E. edges.A cedar 4 ins diam brs N. 6° 35' E  
177 lks dist marked,  
T. 25-N. R. 8 E. S 23 B. Y.A cedar 6 ins diam brs  
S 18° 3' E, 265 lks dist, marked  
T. 25-N. R. 8 E. S 26 B. Y.A cedar 5 ins diam brs  
S 60° 35' W 225 lks dist, marked  
T. 25-N. R. 8 E. S. 27 B. Y.A cedar 3 ins diam brs  
N. 40° W. 79 lks dist, marked  
T. 25-N. R. 8 E. S. 22 B. Y.

Land rolling

Soil volcanic cinders

Twp 23- N. R. 8 E.

chs

with lava rock, 4<sup>th</sup> rate.  
 Timber cedar & Piñon  
 Dense growth cedar & Piñon  
 80.00 chains

---

S. 89°58'E. on random line  
 bet secs 23 and 26

40.00

Set temp 1/4 sec. cor.

80.24

Intersect N. and S. line at cor  
 sec 23, 24, 25 and 26, thence  
 N. 89°58'W on true line  
 bet secs 23 and 26, ascend  
 through dense growth cedar,  
 Piñon and chico brush.

9.73

Cedar 4 ins in diam on line  
 marked 2 notches on E + W. sides

19.00

Top of ascent 125-ft above  
 sec. cor. brs N. 45° E.

32.00

Descend along slope brs N. 45° E.

40.12

Set a lava stone 14 x 10 x 8 ins

chs	Subdivisions of
	9 ins in ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N. face.
	A cedar 10 ins diam brs N. $71^{\circ}$ W. 65 lks dist, marked $\frac{1}{4}$ S23 B. T.
	A cedar 8 ins diam brs S. $26^{\circ}$ W 52 lks dist marked $\frac{1}{4}$ S26 B. S.
46.00	Steep ascent brs N. $45^{\circ}$ E.
53.00	Ledge of malapai 20 ft high brs N. $45^{\circ}$ E.
57.00	Foot of descent in wash brs N. $45^{\circ}$ E. 150 ft deep. Ascend
66.00	Top of ascent 200 ft above bottom, brs N. $45^{\circ}$ E.
80.24	Cor secs 22, 23, 26 + 27 Land 20 chs into, 60 chs rolling covered with dense growth Cedar + Piñon + Chico Soil Fine volcanic cinders 4 str. rate Timber Cedar + Piñon

## BOOK 511

30A

Oct 15 1902. At 7h. 00m. a.m. l.m.t. I set  
 off  $35^{\circ}32'N$  on the lat. arc,  $4^{\circ}27'S$  on  
 the decl. arc, and determine the true  
 meridian at the cor. of secs. 22-23-26 & 27  
 Hence done.

- 40.00 Set malapai stone  $18 \times 10 \times 10$  ins  
 12 ins in ground for  $\frac{1}{4}$  sec  
 cor, marked  $\frac{1}{4}$  on N. face  
 A cedar 8 ins diam brs  $N. 9^{\circ}30'E$   
 51 lks dist, marked  $\frac{1}{4}$  S22 $\frac{1}{2}$ W, T.  
 A cedar 7 ins diam brs  $S. 46^{\circ}15'W$   
 38 lks dist marked  $\frac{1}{4}$  S22 $\frac{1}{2}$ W, T.
- 56.50 Foot of descent in wash, 30 lks  
 wide 3 ft deep, 100 ft below  
 sec. cor. brs E. and W.
- 60.00 Leave cedars brs E. and W.
- 80.00 Set a malapai stone  $18 \times 12 \times 10$  ins  
 12 ins in ground for cor  
 secs 14, 15, 22 and 23, marked

chis

## Subdivisions of

3 notches on S. + 2 on E. edges.

Raise mound of stone 2ft-  
base 1 1/2 ft high W of cor

Pits impracticable

Land rolling

Soil 4<sup>th</sup> rate

Timber Cedar + Pinon

Dense growth Cedar and  
Pinon 60.00 chainsS. 89° 58' E on random line  
bet secs 14 and 23

40.00 Set temp 1/4 sec cor

80.08 Intersect N. and S. line 7 lks N.  
of cor secs 13, 14, 23 and 24.

Thence I run

N. 89° 3' 5" W on true line  
bet secs 14 and 2320.00 Wash 50 lks wide 10 ft deep  
bre N. 30° E.

## Tfr 23-N. R &amp; E.

- chs  
40.04 Set lava stone 18X12X10 ins, 12 ins  
in ground for  $\frac{1}{4}$  sec cor,  
marked  $\frac{1}{4}$  on N. face, raise  
mound of stone 2ft base  
1 $\frac{1}{2}$ ft high N. of cor. Pits  
infracticable
- 65.00 Old road, brs N. 45° E.
- 80.08 Cor secs 14, 15, 22 and 23  
Land rolling prairie  
Soil 4<sup>th</sup> rate  
Timber none
- 
- 22.50 N. 0° 1' N bit secs 14 and 15. <sup>Our nearly level ground.</sup> ~~Secs 14, 15, 22 & 23~~  
Trail from Flagstaff to Tuba  
City brs N. 45° E.
- 40.00 Set malpai stone 18X10X6 ins  
12 ins in ground for  $\frac{1}{4}$  sec, cor,  
marked  $\frac{1}{4}$  on N. face, raise  
mnd of stone 2ft base 1 $\frac{1}{2}$ ft high  
N. of cor. Pits infracticable



## Subdivisions of

chs

80.00

Sit malapai stone 16x10x8 ins  
12 ins in ground for cor to  
secs 10, 11, 14 and 15, marked  
4 notches on S. + 2 on E. edges.

Raise mound of stone 2 ft-  
base 1 1/2 ft-high W of cor.

Pit impracticable

Land rolling prairie

Soil 3<sup>rd</sup> rate

Timber none

---

S. 89° 55' E on random line  
bet secs 11 and 14

40.00

Sit temp 1/4 sec cor

80.16

Intersect N. and S. line 10 lks  
S. of cor secs 11, 12, 13 and 14  
Thence I run

N. 89° 59' W on true line

bet secs 11 and 14 - rolling land

40.08

Sit lava stone 18x14x6 ins

Twp 25-N. R. 8 E.

chs

12 ins in ground for  $\frac{1}{4}$  sec  
 cor marked  $\frac{1}{4}$  on N. face.  
 Raise end of stone 2 ft base  
 $1\frac{1}{2}$  ft high N. of cor. Pits  
 impracticable

42.00

Slight descent to sec cor.

50.50

Shayd Flagstaff to Tubacity  
 brs N.  $45^{\circ}$  E.

80.16

Cor sees 10, 11, 14 - ~~15~~<sup>15</sup>

Oct. 6-1902. at 7 h. 00 m. A.M. L.M.T. I set  
<sup>30</sup>  
 off  $35^{\circ}34'00''$  N. on the lat. arc,  $4^{\circ}50'S$  on  
 the decl. arc, & determine the meridian  
 at the cor. of sees 10-11-14 & 15.

Thence I run.

21.00

Top of ascent 30 ft above cor  
 on ridge brs E & W. Descend

28.00

Enter cedars brs E and W

36.00

Foot of descent 30 ft below  
 top, in wash 4 ft deep, 20 lks

ch<sup>s</sup> Subdivisions of

- wide course N. 60° E  
ascend
- 37.00 Road from Flagstaff to Tanner's tank brs E. & W.
- 40.00 Set malapai stone 18x10x4 ins 12 ins in ground for  $\frac{1}{4}$  sec. cor marked  $\frac{1}{4}$  on W. face; raise mound of stone 2 ft-base  $1\frac{1}{2}$  ft-high W. of cor.
- 42.00 Leave cedars, brs E. & W.
- 5-5.00 Top of ascent, 6-8 ft above bottom brs N. 45° E.
- 80.00 Set malapai stone 20x12x8 ins 14 ins in ground for courses 2, 3, 10 & 11, marked 5 notches on S. and 2 on E. edges. Raise mound of stone 2 ft-base  $1\frac{1}{2}$  ft-high W. of cor. find impracticable.

Apr 23- N. R. 8 E.

Land broken  
Soil 3<sup>rd</sup> rate  
Timber Cedars  
Dense Cedars and mountain  
ous land 80.00 chains

---

S. 89° 5-9' E on random line  
bet secs 2 and 11

40.00 Set temp 1/4 sec. cor.

80.10 Intersect N and S. line 21 lks N.  
of cor secs 1, 2, 11 and 12

Thence I run N. 89° 5-0' W. on  
true line bet. secs 2 & 11

through chico brush

19.40 Trail to Tubacity from Flagstaff  
bys N. and S.

37.80 Road from Flagstaff to Tanner  
Tanks.

40.00 Set limestone 10x8x8 ins, 11 ins  
in ground for 1/4 sec. cor.

## Subdivisions of

chico	marked 1/4 on N. face, raise and of stone 2ft-base 1 1/2ft-high N. of cor. Pits impracticable
60.00	ascend E. slope of hill bet N. & S.
71.00	Top of same, 30ft above bottom bet, N. and S.
	Descend 1.3ft to rolling land
80.10	Cor sees 2, 3, 10 and 11 Land rolling with thick growth chico brush. Soil 3 <sup>rd</sup> rate. Timber none Dense chico brush 80.10 chs
	<hr/>
	N. 0° 1' W on random line bet sees 2 and 3
40.00	Set temp 1/4 sec, cor.
80.08	Intersect N. body of the 5-lks E of cor sees 2, 3, 34 and 35. Thence I run

Tfr 25 N. R &amp; E.

cls

S 0° 3' E. on true line bet  
secs 2 and 3. Ia. 15° 00' E

Descend

6.00

Foot of descent 25-ft below sec  
cor. hrs. E and W.Ascend N.E. point of mesa  
hrs E. and W.

24.00

Top of ascent 15-ft above bottom  
hrs N. and S.

Descend

25.00

Foot of descent 15-ft below top  
hrs E and W.

Steep ascent

30.00

Top of ascent 50 ft above  
bottom hrs E. and W.

40.018

Set malapai stone 18x10x4 ins  
12 ins in ground for 1/4 sec cor  
marked 1/4 on W face; raise  
end of stone 2 ft base 1 1/2 ft high  
W of cor. Pits impracticable

## Subdivisions 7

cho  
80.08

Cor sees 2, 3, 10 and 11

Land broken, covered with  
Chico brush.

Soil good rate covered with  
lava rock.

Timber none

Mountainous + dense brush

80.08 chains

Oct 6<sup>th</sup> 1902

Oct 7: At 7<sup>h</sup> 5<sup>m</sup> A.M. l.m.t.  
I set off 35° 30' on lat arc:  
5° 12' S. on the decl arc  
and determine the  
true meridian with  
the solar at the covace  
3, 4, 33, and 34 on S. Body  
of T<sub>p</sub> which is a  
malpais stone 6 ins above  
ground marked S. C. on N. with  
3 grooves on E. + W. faces

Twp 25-N. R 8 E,  
 chs

Thence I run

N.  $0^{\circ} 2' W$  bet sees 33 and 34

Through Cedar & dense brush  
<sup>Pa.  $14^{\circ} 45' E$</sup>

40.00 Set a malapai stone  $22 \times 10 \times 8$  ins  
 14 ins in ground

for  $\frac{1}{4}$  sec. cor. marked

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

A cedar 8 ins diam brs

N.  $38^{\circ} 14' W$  114 lks dist marked

$\frac{1}{4}$  S 33 B. Y.

A cedar 5 ins diam brs  $S. 19^{\circ} 35' E$

42 lks dist marked  $\frac{1}{4}$  S. 34 B. Y.

80.00 Set a malapai stone  $18 \times 10 \times 8$  ins

12 ins in ground for cor  
 sees 27, 28, 33 and 34, marked

1 notch on S. + 3 on E edges

From which

A cedar 5 ins diam brs N  $12^{\circ} 5' E$

130 lks dist marked

T 25-N. R 8 E. S 27 B. Y.



Subdivisions of  
cls

A cedar 4 ins diam brs  
S  $70^{\circ} 30' E$ , 216 lks dist marked  
T. 25-N. R. 8 E. S. 34 B. 9.

A cedar 6 ins diam brs  
S.  $67^{\circ} 10' W$ , 22 lks dist, marked  
T. 25-N. R. 8 E. S. 33 B. 9.

A cedar 7 ins diam brs  
N.  $48^{\circ} 30' W$  183 lks dist, marked  
T. 25-N. R. 8 E. S. 28 B. 9.

Land rolling covered  
with dense growth cedar + Piñon  
Soil 4<sup>th</sup> rate

Timber Cedar + Piñon  
Dense Cedar + brush

80,000 chains

---

E. on random line  
bet secs 27 and 34

40.00

79.80

Set timber 1/4 sec, cor,

Intersect N. + S. line 11 lks

Twp. 25-N, R. 8 E.

also

N. of cor sees 26, 27, 34 + 35-

Thence I run

N.  $89^{\circ} 55'$  W on true line bet  
sees 27 and 34.

Ascend through cedar &amp; Piñon

7.00

Top of ascent, 75 ft above cor.  
brs N + S. Rolling land

39.90

Set malapai stone  $24 \times 12 \times 5$  ins  
18 ins in ground for  $\frac{1}{4}$  sec.cor marked  $\frac{1}{4}$  on N. face.A cedar 5 ins diam brs N  $48^{\circ} 35'$  W  
69 lks dist, marked  $\frac{1}{4}$  S. 27. 87.A cedar 6 ins diam brs S.  $36^{\circ} 35'$  W  
70 lks dist marked  $\frac{1}{4}$  S. 34. 87.

42.00

Descend

79.80

Cor sees 27, 28, 33 and 34  
Land rolling.Sail 4 <sup>th</sup> rateTimber Cedar and  
Piñon

- Subdivisions of  
 chs Dense growth Cedar  
 and Piñon 79.80 chs
- 
- 23.50 N.  $0^{\circ} 2' W.$  bet eecs 27 + 28  
 through Cedars + Piñon  
 Road from Flagstaff to  
 Tuba hrs N.  $15^{\circ} E.$
- 40.00 Sit malapai stone 18X10X8 ins  
 12 ins in ground for  $\frac{1}{4}$  sec.  
 cor. marked  $\frac{1}{4}$  on W. face.  
 A cedar 6 ins diam hrs N.  $65^{\circ} E$   
 98 lbs dist marked  $\frac{1}{4}$  S. 27  $13.4.$   
 A cedar 6 ins diam hrs N.  $83^{\circ} W$   
 35 lbs dist marked  $\frac{1}{4}$  S. 28  $13.4.$
- 50.00 Wagon road Flagstaff to  
 Tuba hrs N.  $20^{\circ} W.$  Descend
- 67.00 Abrupt descent over large  
 lava stones in canon 30 ft.  
 deep course N.  $40^{\circ} E.$
- 68.00 Foot of descent in wash

Tpr 25 N. R. & E.  
chs

50 lks wide.

Ascend N. side of cañon

70:00

Top of same bre N. 60° E.

Leave cedars, N. 45° E at rim  
of cañon & enter rolling  
prairie country.

80:00

Set a lava stone 16x10x4 ins  
12 ins in ground for cor to  
secs 21, 22, 27 and 28

marked 2 notches on S. and  
3 on E. edges; raise mound  
of stone 2 ft base 1 1/2 ft high  
W. of cor. Pits impracticable.  
Land 3 chs mts. 77 chs rolling,  
70 chs covered with dense  
growth Cedar and Pinon  
Soil 4<sup>th</sup> rate.

Timber Cedar & Pinon

Dense Cedar & Pinon 70.00 chs

- Subdivisions of
- chs S.  $89^{\circ} 55' E$  on random line  
bet sees 22 and 27.
- 40.00 Set temp  $\frac{1}{4}$  sec cor.
- 80.08 Intersect N. and S. line <sup>35'</sup> 5 lks  
S. of cor sees 22, 23, 26 & 27.  
Thence I run  
~~S.  $89^{\circ} 50' W$~~   
N.  $89^{\circ} 57' W$ , on true line bet  
sees, 22 and 27, through  
dense cedar and Piñon
- 12.00 Cedar 5 ins diam on line
- 12.00 marked 2 notches on E & W. sides
- 19.80 Cedar 14 ins diam on line marked  
2 notches on E and W. sides.
- 40.04 <sup>Sex</sup> A malpais stone <sup>20 in x 16 in x 6 in</sup> in place  
<sup>in mound of stone - marked  $\frac{1}{4}$  on N.</sup>  
~~5 x 3 ft and 2 ft - above ground,~~  
~~mark x at exact point for~~  
 ~~$\frac{1}{4}$  sec cor. from which~~  
A cedar 8 ins diam tree  
<sup>23° 30' E. 115'</sup>  
N. 52 W, 57 lks dist marked  $\frac{1}{4}$  S 22, B. 9.
- A cedar <sup>15'</sup> 5 ins diam tree S. <sup>85°</sup> 65° W.

Twp. 25 N. R. 8 E.

chs

186

~~203~~ lks dist, marked  $1/4$  S 27. 13. 9.40.50 A malapai ledge 8 ft high brs N.  $45^{\circ}$  E50.50 Cedar five ins diam on line  
marked 2 notches on E & W. sides.51.00 Leave cedars brs N.  $45^{\circ}$  E. enter  
rolling prairie ground.58.13 Trail to Tuba from Flagstaff  
brs N.  $20^{\circ}$  E.

68.00

Wash, 150 lks wide bears N  $45^{\circ}$  E

80.08 Cor secs 21, 22, 27 and 28

Land rolling

Soil 4<sup>th</sup> rate

BOOK 511

Oct. 8. 1902. at 7h. a.m. l.m.t. Set off <sup>46A</sup>  
 $35^{\circ} 32'$  N. on the lat. arc,  $5^{\circ} 36'$  S. on  
 the decl. arc, and determine the meri-  
 dian at the cor. of secs. 21-22-27 & 28.  
 Hence true.

24.00 Enter cedars brs E, and W.

40.00 Set lava stone  $20 \times 14 \times 12$  ins  
14 ins in ground for  $1/4$  sec.

## Subdivisions of

chs

cor marked 14 on W. face,

From which

A cedar <sup>6</sup>ins diam brs N. <sup>35° 15'</sup> 38° 30' E<sup>250</sup>  
~~22~~ 5 lks dist marked 14 S 22° 35'A cedar <sup>6</sup>ins diam brs <sup>N 16°</sup> S 19° W<sup>244</sup>  
22 0 lks dist, marked 14 S 21° 13' Y.

60.00 Leave cedars brs E. and W.

80.00 Set malapai stone 22 X 12 X 8 ins

15 ins in ground for cor see

15, 16, 21, and 22 marked 3  
notches on S. & 3 on E. edges.

Raise mound of stone

2 ft base, 1 1/2 ft high W. of cor.

Pits impracticable

Land rolling

Soil 4<sup>th</sup> rate

Timber Cedar,

Dense cedar growth 36.00 chs

Apr. 25 - N. R. &amp; E.

chs

N.  $89^{\circ}50'E$ .S.  $89^{\circ}57'E$  on random line  
bet secs 15 and 2240.00 Sit temp  $\frac{1}{4}$  sec. cor.80.04 Intersect N. and S. line <sup>37</sup> 7 lksN. of cor secs 14, 15, 22 and 23  
Thence S run.N.  $89^{\circ}54'W$  on true line bet  
secs 15 and 22.1.03 Trail from Flagstaff to Tuba  
hos N.  $20^{\circ}E$ .40.02 Sit malapai stone 16x10x8 ins  
11 ins in ground for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on N. face; raise  
mid of stone 2 ft base  $1\frac{1}{2}$  ft high  
N. of cor. Pits impracticable.

80.04 Cor secs 15, 16, 21, and 22

Land rolling prairie

Soil 4<sup>th</sup> rateTimber none



## Subdivisions of

chs

- U. 0° 2' W. bet secs 15 and 16
- 6.10 Road from Flagstaff to Tuba  
<sup>via 14° 45' E.</sup>  
 bet N. 35° E.
- 40.00 Set a lava stone 24 X 12 X 8 ins  
 17 ins in ground for 1/4 sec cor.  
 marked 1/4 on W. face, +  
 raise mid. of stone 2 ft base  
 1 1/2 ft high W. of cor. Pits impracticable.
- 72.00 Wash 100 chs wide 6 ft deep bet  
 N. 45° E.
- 73.50 Malapai ledge 100 ft high bet N. 70° E
- 80.00 Set a lava stone 18 X 8 X 6 ins, 12 ins  
 in ground for cor sec 9, 10,  
 15 and 16, marked 4 notches  
 on S. and 3 on E. edges, raise  
 mound of stone 2 ft base 1 1/2 ft  
 high W. of cor. Pits impracticable.  
 Land rolling open prairie.  
 Soil 4<sup>th</sup> rate.  
 Timber none.

4<sup>th</sup> 23-N. R 8 E.  
cls

S 89°34'E on random line  
bet- sees 10 and 15.

40.00 Sit temp 1/4 sec cor.

79.82 Intersect N. and S. line at cor  
sees 10, 11, 14 and 15; thence  
N. 89°34' W on true line bet  
sees 10 and 15.

27.30 Road from Flagstaff to Tanager  
Tanko brs N. 13° E

39.91 A lava stone in place 2x2 ft  
and 1 1/2 ft above ground  
mark cross (X) on ex point  
for 1/4 sec. cor. + 1/4 on N. face  
Raise mound of stone 2 ft  
base 1 1/2 ft high N. of cor.  
Pits impracticable

50.00 Wash. 150 lbs wt. heat N.E.

79.82 Corsees 9, 10, 13 and 16

Land rolling prairie  
Soil 4<sup>th</sup> rate

Timber now Oct 8<sup>th</sup> 1902

cls  
 Subdivisions of  
 N. 0° 2' W. bet secs 9 and 10.

40.00  
 52A ✓

Oct. 9-1902. at 7 h. a.m. l.m.t. set off  
 35° 34' 00" N. on the lat. arc; 5° 59' S. on  
 the decl. arc, and determine the meridian  
 at the cor. of secs. 9-10-15 & 16.

Thence run

BOOK 511

80.00

8 ins, 12 ins in ground for  
 cor secs 3, 4, 9 and 10  
 marked 5 notches on S. and  
 3 on E. edges; raise mound  
 of stone 2 ft base 1 1/2 ft high  
 W. of cor. Pits impracticable  
 Land rolling open  
 prairie.  
 Soil 4<sup>th</sup> rate.  
 Timber none.

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Twp 25-N. R. 8 E.

chs

S.  $89^{\circ}5'4''$  E on random line  
bet secs 3 and 10, Va.  $14^{\circ}45'$  E40.00 Set temp  $\frac{1}{4}$  sec. cor.80.00 Intersect N and S. line 5 lks S.  
of cor secs 2, 3, 10 and 11, thence  
N.  $89^{\circ}56'$  W. on true line bet secs  
3 and 10, over level land40.00 Set malapai stone  $14 \times 8 \times 6$  ins  
9 ins in ground for  $\frac{1}{4}$  sec cor  
marked  $\frac{1}{4}$  on N. face, raise  
mound of stone 2 ft base  
 $1\frac{1}{2}$  ft high N. of cor. Pits  
infracticable.80.00 Cor secs 3, 4, 9 and 10,  
Land rolling open prairie,  
Soil 4<sup>th</sup> rate  
Timber none

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N.  $0^{\circ}2'$  W. on random line  
bet secs 3 and 4.

## Subdivisions of

cls

4000

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

80.12

Intersect N. bdy of Tpr 5-eks  
W of cor secs 3, 4, 33 and 34.  
Thence I run.

40.12

South on true line bet secs 3 & 4.  
 Va.  $14^{\circ} 45' E$   
 Set a malapan stone  $24 \times 14 \times 10$  ins  
 18 ins in ground for  $\frac{1}{4}$  sec. cor.  
 marked  $\frac{1}{4}$  on W. face; raise  
 mound of stone. 2 ft base,  
 $1\frac{1}{2}$  ft high W. of cor. Pile  
 impracticable.

80.12

Cor secs 3, 4, 9 and 10.  
 Land rolling open prairie.  
 Soil 4<sup>th</sup> rate  
 Timber none

Oct 9, 1902

October 10<sup>th</sup>: At 7<sup>h</sup> 5<sup>min</sup> A.M. I set off  $35^{\circ} 30'$  on the lat arc;  $6^{\circ} 22' S$  on the decl arc and determine

also Tfr. 25- N. R. 8 E.

the true meridian with solar at the cor sees 4, 5, 32 and 33 on the S. bdy of Tfr. which is a malpais stone 6 ins above ground marked S. C. on N. with 4 grooves on E. and 2 on W. edges

Thence I run

N.  $0^{\circ} 2'$  W bet sees 32 and 33

Descend through dense Cedars, over into land

20.00 Wash 100 lks wide, 3 ft deep  
br N.  $10^{\circ}$  E.

23.50 Cedar 6 ins diam on line  
marked 2 notches on N + S. sides.

37.00 Abrupt descent over broken  
mountainous land.

40.00 Set malpais stone 22X8X6 ins  
18 ins in ground for  $\frac{1}{4}$  sec  
cor, marked  $\frac{1}{4}$  on W. face

56

BOOK 511

## Subdivisions of

cls

From which.

- A cedar 3 ins diam brs N. 65° 50' E  
71 lks dist, marked 1/4 S. 33 1/3 N. 9.
- A cedar 4 ins diam brs S. 73° 15' W  
67 lks dist, marked 1/4 S. 32 1/3 N. 9.
- 42.00 Foot of descent 75 ft below  
sec cor. brs N. 45° E
- 45.60 Cedar 4 ins diam on line  
marked 2 notches on N. + S. sides.
- 67.00 Wash 75 lks wide, 12 ft deep brs  
E. and W.  
Ascend leaving cedars brs  
E. and W.
- 67.50 Steep ascent.
- 70.00 Top of ascent 50 ft above  
bottom, brs E + W. on mesa  
having slight ascent to N.  
covered with large mala-  
pai dikes.
- 80.00 a malapai stone in place

Tfr 25-N. R 8 E.

chs

6 x 3 ft., 1 1/2 ft. above ground  
mark x at exact cor point.  
and 1 notch on S. and 4  
on E. edges, raise mound  
of stone 2 ft base 1 1/2 ft high  
W. of cor. Pits impracticable.

A cedar circ diam br 15' 2" 18' W  
130 lks dist, marked  
T 25-N. R. 8 E. S 29 B. Y.

<sup>no other trees in limit</sup>  
Land mountainous + rolling  
Soil 4<sup>th</sup> rate, 53 chs covered with  
malapai rock.

Timber Cedar.

Mountainous + thick cedar.

80.00 chains

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East on random line bet  
secs 28 and 33

40.00 set temp 1/4 sec, cor.

80.22 Intersect N. and S. line 12 lks



## Subdivisions T25-N, R8E.

chs

- S. of cor sec 27, 28, 33 + 34.  
Thence I run,  
S.  $89^{\circ}55'N$  on true line  
bet sec 28 and 33, over  
mountainous, rocky + rough  
country.
- 6.60 Old road bet N. and S.
- 11.80 Road from Flagstaff to  
Tuba bet N.  $45^{\circ}E$
- 36.40 Wash 60 lks wide 4 ft deep bet  
N.  $60^{\circ}E$ .
- 40.11 Set a malapai stone  $20 \times 6 \times 8$  ins  
on ptongy ground at cor. for  $1/4$  sec  
cor, marked  $1/4$  on N. face.  
A cedar 6 ins diam bet N.  $49^{\circ}5'N$ .  
41 lks dist, marked  $1/4 S 28 B. Y.$   
A cedar 10 ins diam bet  $579^{\circ}10'$   
42 lks dist, marked  $1/4 S 33, B. Y.$
- 49.00 Steep descent bet N.  $45^{\circ}E$ .
- 49.50 Foot of same 25-ft blow

*Faint, illegible handwriting at the top of the page.*

Concluded, Book 512.