

atted

See Index

# FIELD NOTES

1296

OF

The 1st Standard N Line

Township 5 North Range 28 29 30

Meridian

BOOK 1296

BY

Deputy Surveyor,

under his contract of 188

Survey commenced 188

Survey completed 188

Platted by 188

Copied for Washington by 188

Copied for Register by 188

No. 1296



1296

Survey of the

1<sup>st</sup> Standard North,  
(along South Bdy)

T. 5 N: R's 27-28-29-30 & 31 E.

W. R. Fitzgerald D.S.

1883—

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First Standard North along			
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D. S. W.  
R. S. E.  
R. S. E.

D. S. W.  
R. S. E.  
R. S. E.

BOOK 1296

BOOK 1296

For Preliminary  
oaths see book  
No 1

with Burt's Patent  
Compass, nearly new  
order. Made by Otto Fenne  
of Cassel, Germany in 1881.



Standard wire N., along  
S. boundary T. 5 N., R. 29 E., S. 1/4 S. R. 29 E.

No. 1296

BOOK 1296

Chambers

Before proceeding further with  
the extent of this township, I  
made a change of 5 minutes in  
the latitude arc of my Solar  
Compass, by subtracting same  
from the reading previously  
given and at noon verified  
and corrected same by  
observation on the sun. I  
also further tested instrument  
by surveying. I took the  
latitude and found it to be  $33^{\circ}45'N.$   
From the Standard Cor. to N po.

5 N., R. 28<sup>th</sup> 29 E., previously  
set by me, I run  
East on a true line, on S. boundary sec. 31,  
W.  $14^{\circ}15'$  East.

Descend.

10.00 Cross low log, course S.  $\frac{1}{2}$  W ascend.  
40.00 Set a lava stone,  $14 \times 10 \times 4$  ins,  
Stand  
9 ins. in the ground, for  $\frac{1}{4}$  sec.

S. boundary T. 5 N., R. 29 E., S. 31 B. T.

BOOK 1296

Lehaino,

cor., marked S. C. 14 on N. face;

from which bears:

A yellow Pine, 24 ins. dia., S. 69 1/2° E., 16 lbs. diet,  
marked S. C. 14 S. B. T.

No other tree within limits;

raised a mound of stone alongside  
corner stone. Pits impracticable.

50.00 Top of Spur, trans U. <sup>2nd</sup> S. <sup>1st</sup> descend.

50.00 Set a larval stone, 15 x 10 x 5 ins., 10

ins. in the ground, for Standard

cor. to secs. 31 <sup>and</sup> 32, marked

S. C. with 1 notch on W. <sup>and</sup> 5

notches on E. edges; from which bears:

A yellow Pine, 20 ins. dia., U. 30° W., 49 lbs. diet,

marked T. 5 N., R. 29 E., S. 31 B. T.

No other tree within limits; raised

a mound of stone alongside corner  
stone. Pits impracticable.

Lava mountains. Soil 3<sup>rd</sup> rate.

Heavy timber of Pine <sup>and</sup> Fir.

Vegetation, bunchgrass.

Standard line N., along  
S. boundary T. 5 N., R. 29 E., S. 1/4 S. R. M.

BOOK 1296

Chain

East on S. boundary sec. 32.

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

Descend.

20.00 Cross low Sag, course S.  $4^{\circ}$  W ascend.

40.00 Set a post, 3 ft. long, 3 ins. square,  
24 ins. in the ground, for  $1/4$  sec.  
cor., marked S. C. 14 S. on N. face;

from which bears:

A yellow Pine, 36 ins. dia., N.  $19^{\circ}4'$  E., 29 lks. dist.,  
marked S. C. 14 S. B. C.

No other trees within limits; raised  
a mound of stone around post. Pits  
impracticable.

64.00 Top of Spur, bears N.  $4^{\circ}$  S.  $4^{\circ}$  W descend.

66.00 Cross creek, 5 lks. wide, course  
S.  $4^{\circ}$  W ascend.

80.00 Set a lava stone,  $20 \times 9 \times 5$  ins, 15 ins  
in the ground, for Standard Cor. to  
secs. 32 and 33, marked N. C. with  
2 notches on W.  $4^{\circ}$  W 4 notches on E.  
edges; from which bears:



S. boundary T. 5 N., R. 29 E., Sec. 33 B. V.

BOOK 1296

Lokanis.

A yellow Pine, 24 ins. dia, N. 30° E., 55 lks. dist,  
marked T. 5 N., R. 29 E., S. 33 B. V.

A yellow Pine, 24 ins. dia, N 59 1/4° W, 16 lks. dist,  
marked T. 5 N., R. 29 E., S. 32 B. V.

No other tree within limits; raised  
a mound of stone alongside corner  
stone. Pits impracticable.

Land mountainous.

Sail 3<sup>rd</sup> rate.

Heavy timber of Pine & Fir.

Vegetation, bunchgrass.

East on S. boundary sec. 33,

Wa. 14° 15' East.

Ascend.

40.00 Set a lava stone, 14 x 10 x 4 ins, 9 ins,  
in the ground for Standard 14 sec.  
cor, marked S. C. 14 on W. face;

from which bears:

A yellow Pine, 18 ins. dia, N. 29° W, 9 lks. dist,  
marked S. C. 14 N. B. V.

Standard line N., along  
S. boundary T. 5 N., R. 29 E., G. & S. R. M.

BOOK 1296

Okamis

No other tree within limits; raised  
a mound of stone alongside corner  
stone. Pits impracticable.

80.00 Set a larva stone, 20 x 11 x 5 ins, 15 ins,  
in the ground, for Standard cor. to  
secs. 33 and 34, marked S. C.  
with 3 notches on E. & W. edges;  
from which bears:

A yellow Pine, 30 ins. dia, N. 49 1/4° E., 30 lks. dist,  
marked T. 5 N., R. 29 E., S. 34 B. C.

A yellow Pine, 24 ins. dia, N. 39° W., 20 lks. dist,  
marked T. 5 N., R. 29 E., S. 33 B. C.

No other tree within limits; raised  
a mound of stone alongside corner  
stone. Pits impracticable.

Sand rolling.

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

Heavy timber of Pine and Fir.

Vegetation, bunchgrass.



S. boundary T. 5 N., R. 29 E., G. W. S. R. M.

BOOK 1296

Chains.

East on S. boundary sec. 34,

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

Ascend.

40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins.  
in the ground, for Standard 14 sec. cor.,  
marked S. E. 14 S. on N. face;

from which bears:

An Aspen, 14 ins. dia., N.  $70^{\circ}E$ , 43 lks. dist,  
marked S. E. 14 S. B. C.

No other tree within limits; dug a  
pit 18 x 18 x 12 ins. W. of post, 5 1/2 ft. dist,  
and raised a mound of earth, 1 1/2 ft.

high, 3 1/2 ft. base, around post.

59.00 Top of Ridge, bears N. W. 3/4 S. E. 3/4 descends.

80.00 Set a lava stone, 15 x 11 x 6 ins., 10 ins.

in the ground, for Standard cor. to  
secs. 34<sup>th</sup> & 35, marked S. E. with 2

notches on E. 3/4 & 4 notches on W.  
edges; from which bears:

An Aspen, 15 ins. dia., N.  $59^{\circ}14'E$ , 31 lks. dist,  
marked T. 5 N., R. 29 E., S. 35 B. C.

S. boundary T. 5 N., R. 29 E., S. 24 P. 1.

BOOK 1296

Claims.

An Aspen, 14 ins. dia., N. 10° W., 31 lks. dist,  
marked T. 5 N., R. 29 E., S. 24 P. 1.

No other tree within limits; raised  
a mound of stones along road corner  
at stone. Pits impracticable.

Land mountainous.

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

Timber of Aspen.

Vegetation, bunchgrass.

East on S. boundary see 35.

W. 12° 15' East.

Descend.

40.00 Set a post, 3 ft. long, 3 ins. square,  
24 ins. in the ground, for Standard  
1/4 sec. cor., marked S. C. 14 S. on N.

face; from which bears:

An Aspen, 14 ins. dia., N. 39 1/2° E., 66 lks. dist,  
marked S. C. 14 S. P. 1.

No other tree within limits; dug a  
pit 18 x 18 x 12 ins. W. of post, 5 1/2 ft.

S. boundary T. 5 N., R. 29 E., G. W. S. R. M.

BOOK 1296

## Claims

dist, and raised a mound of earth,  
1<sup>1</sup>/<sub>2</sub> ft. high, 3<sup>1</sup>/<sub>2</sub> ft. base, around post.

60.00 Corner low Veg, course S. 40° E.  $\frac{1}{2}$  in ascend.

80.00 Set a laral stone, 20 x 11 x 3 ins., 15 ins.  
in the ground, for Standard Cor.  
to sec. 35<sup>nd</sup> and 36, marked S. E.  
with 1 notch on E.  $\frac{1}{2}$  in 5 notches on  
W. edges; from which bears:

A Yellow Pine, 14 ins. dia., N. 39<sup>3</sup>/<sub>4</sub>° E., 24 lks. dist,  
marked T. 5 N., R. 29 E., S. 36 B. C.

A Yellow Pine, 24 ins. dia., N. 10<sup>1</sup>/<sub>2</sub>° W., 28 lks. dist,  
marked T. 5 N., R. 29 E., S. 35 B. C.

No other trees within limits; raised  
a mound of stone, along side corner  
stone. Pits impracticable.

Land mountainous.

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

Heavy timber of Pine  $\frac{1}{2}$  in Aspen.

Vegetation, bunchgrass.



S. boundary V. 5 N., R. 29 E., S. 1/4 S. R. 21.

BOOK 1296

Chains.

East on S. boundary sec. 36.

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

Ascend.

12.00 Top of Spur, bears N.  $2^{\circ}1'$  S.  $2^{\circ}1'$  descend.

40.00 Set a lava stone,  $20 \times 9 \times 3$  ins, 15 ins  
in the ground, for Standard  $1/4$  sec.  
cor, marked S. C.  $1/4$  on N. face;  
from which bears:

A yellow pine, 48 ins. dia, N.  $11^{\circ}14'$  E, 41 lks. dist,  
marked S. C.  $1/4$  S. R. 27.

No other trees within limits; raised  
a mound of stone, along side corner  
stone. Pits impracticable.

47.00 Cross creek, 8 lks. wide, course S. E.  
and ascend.

50.00 Set a post,  $4 \frac{1}{4}$  ft. long, 4 ins. square,  
24 ins. in the ground, for Standard  
Cor. to V. 5 N., R. 29  $^{th}$  30 E.,  
marked  
S. C. V. 5 N. on N.;

R. 30 E., S. 31 on E. end

10 1<sup>st</sup> Standard line N., along  
S. boundary T. 5 N., R. 29 E., S. W. S. R. M.

BOOK 1296

Observations

R. 29 E., S. 36 on W. faces, with 6  
notches on N. E. <sup>and</sup> W. faces;

from which trees:

A Yellow Pine, 20 ins. dia., N. 57 $\frac{1}{2}$ ° E., 51 kts. dist.,  
marked T. 5 N., R. 30 E., S. 31 B C.

A Yellow Pine, 40 ins. dia., N. 70° W., 43 kts. dist.,  
marked T. 5 N., R. 29 E., S. 36 B C.

No other trees within limits; raised  
a mound of stone around foot  
Pits impracticable.

Land mountainous.

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

Heavy timber of Pine, Fir <sup>&</sup> Aspen.

Vegetation, bunchgrass.

April 5<sup>th</sup> - 1883.

---

From Stand Cor to Tps 5 N  
Rs 29 + 30 E. just established  
by me. I saw - - -

S. boundary V. 5 N., R. 30 E., S. 31 & S. R. 32

BOOK 1296

Stains

East on S boundary sec. 31,

Wa. 14°12' East.

Ascend.

40.00 Set a laral stone, 24 x 14 x 5 ins, 18 ins  
in the ground, for Standard 74 sec. cor,  
marked S. C. 74 on N. face;

from which bears:

A yellow Pine, 24 ins. dia, S. 20°, 59 lks. dist,  
marked S. C. 74 S. B. 7.

No other tree within limits; raised a  
curved of stone, along side corner  
stone. Pits impracticable.

80.00 Set a laral stone, 22 x 14 x 4 ins, 16 ins.  
in the ground, for Standard cor.

to secs. 31 and 32, marked S. C. with  
5 notches on E. and 1 notch on W. edges;

from which bears:

A yellow Pine, 12 ins. dia., N. 38 1/2° E., 66 lks. dist,  
marked V. 5 N., R. 30 E., S. 32 B. 7.

A yellow Pine, 24 ins. dia., N. 70° W., 30 lks. dist,  
marked V. 5 N., R. 30 E., S. 31 B. 7.



S. boundary N. 5 N., R. 30 E., S. 1/4 S. R. M.

BOOK 1296

Claims

No other trees within limits; raised  
a mound of stone along side corner  
stone. Pits unpracticable.

Land mountainous.

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

Heavy timber of Pine & Fir.

Vegetation, bunchgrass.

East on S. boundary sec. 32.

Ya.  $14^{\circ}12'$  East.

Ascend.

40.00 Set a post, 3 ft. long, 3 ins. square,  
24 ins. in the ground, for Standard  
14 sec. cor., marked S. C. 14 S. on N. face;

from which bears:

A Yellow Pine, 24 ins. dia, N.  $30^{\circ}W$ , 48 lks. dist,  
marked S. C. 14 S. B. C.

No other trees within limits; dug a  
pit 18 x 18 x 12 ins. E. of post, 5 1/2 ft. dist,  
and raised a mound of earth, 1 1/2 ft.  
high, 3 1/2 ft. base, around post.

S. boundary T. 5 N., R. 30 E., S. 32 S. R. 30 W.

BOOK 1296

Chains.

70.00 Top of Ridge, cross N.W.  $\frac{3}{4}$  S.E.  $\frac{1}{4}$  descend.

80.00 Set a larval stone, 14x10x5 ins, 9 ins. in the ground, for Standard Cor. to sec.

32  $\frac{3}{4}$  S. 3, marked S.E. with 4 notches on E.  $\frac{3}{4}$  2 notches on W. edges;

from which bear:

A yellow Pine, 10 ins. dia, U. 15° E, 48 lks. dist, marked T. 5 N., R. 30 E., S. 33 B. 07.

A yellow Pine, 20 ins. dia, U. 5  $\frac{1}{2}$ ° W, 20 lks. dist, marked T. 5 N., R. 30 E., S. 32 B. 07.

No other trees within limits; raised a mound of stone alongside corner stone. Pits impracticable.

Land mountainous.

Sail 3<sup>rd</sup> rate.

Heavy timber of Pine  $\frac{3}{4}$  Fir.

Vegetation, bunch grass.

East on S. boundary sec. 33.

W. 14° 12' East.

Descend.

Standard here N., along  
S. boundary T. 5 N., R. 33 E., S. 24 S. R. M.

BOOK 1296

Locality

1.25 Cross Creek, 20 lks. wide, course  
S.E. and ascend.

32.00 Top of Spur, bear N. E. S. E. descend.

40.00 Set a larva stone, 14 x 9 x 5 ins., 9 ins. in  
the ground, for Standard  $\frac{1}{4}$  sec. cor.,  
marked S. C.  $\frac{1}{4}$  on N. face;

from which bear:

A Yellow Pine, 30 ins. dia., N. 39  $^{\circ}$  W., 18 lks. dist.,  
marked S. C.  $\frac{1}{4}$  S. B. J.

No other trees within limits; raised a  
mound of stone alongside corner stone.

Pits impracticable.

45.00 Cross Creek, 5 lks. wide, course  
S. and ascend.

80.00 Set a sandstone, 14 x 10 x 4 ins., 9 ins.  
in the ground, for Standard cor to  
secs. 33<sup>rd</sup> & 34, marked S. C. with  
3 notches on E. & W. edges;

from which bear:

A White Oak, 12 ins. dia., N. 7  $^{\circ}$  E., 2 lks. dist.,  
marked T. 5 N., R. 33 E., S. 34 S. J.



S. boundary T. 5 N., R. 30 E., S. 34 B.C.

BOOK 1296

Lebanon

A White Oak, 12 in. dia., 7.34' W., 16 lbs. dia.,  
marked T. 5 N., R. 30 E., S. 34 B.C.

No other trees within limits; raised  
a mound of stone along side corner  
stone. Pits impracticable.

Land mountainous.

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

Timber of Pine and Oak.

Vegetation, bunchgrass.

East as S. boundary sec. 34.

4a. 14° 12' East.

Ascend.

40.00 Set a larval stone, 20 x 10 x 4 in., 15 in.  
in the ground, of Standard 14 sec.  
cor., marked S. C. 14 on N. face;

from which trees:

A White Oak, 14 in. dia., 7.10' W., 44 lbs. dia.,  
marked S. C. 14 S. B. C.

No other trees within limits; raised  
a mound of stone along side corner

Chanis

stone. Pits impracticable.

52.00 Top of Ridge, bear N. 10° E.  $\frac{3}{4}$   
D. 10° W. and descend.

80.00 Set a larva stone, 24 x 11 x 6 ins., 18 ins.  
in the ground, for standard cor. to  
secs. 34 and 35, marked D. C. with  
2 notches on E.  $\frac{3}{4}$  and 4 notches on W.  
edges; from which bear:

A yellow Pine, 15 ins. dia., H. 12' 10", 52 lbs. dia.,  
marked T. 5 N., R. 30 E., S. 34 R. C.

No other trees within limits; raised  
a mound of stone alongside corner  
stone. Pits impracticable.

Land mountainous.

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

Timber of Pine and Oak.

Vegetation, bunchgrasses.

East on D boundary sec. 35.

W. 14° 12' East.

Descend.

S. boundary T. 5 N., R. 30 E., G. and S. R. M.

BOOK 1296

Chanis

30.00 Cross Wash, 20 lks. wide, course  
S.W. and ascend.

40.00 Set a laral stone, 12 x 9 x 5 ins., 8 ins.  
in the ground, for Standard 1/4 sec. cor.  
marked S. C. 14 on N. face;

from which bears:

A Fir 30 ins. dia.,  $\gamma$ . 15° E., 34 lks. dist,  
marked S. C. 14 S. B. V.

No other trees within limits; raised  
a mound of stone along side corner  
stone. Pits impracticable.

80.00 Set a laral stone, 15 x 11 x 7 ins., 10 ins.  
in the ground, for Standard cor. to  
secs. 35 and 36, marked S. C. with 1  
notch on E. and 5 notches on W.

edges; from which bears:

A White Oak, 12 ins. dia.,  $\gamma$ . 60° E., 64 lks. dist,  
marked T. 5 N., R. 30 E., S. 36 B. V.

A White Oak, 14 ins. dia.,  $\gamma$ . 10 1/2° W., 34 lks. dist,  
marked T. 5 N., R. 30 E., S. 35 B. V.

No other trees within limits; raised

Standard Line N., along  
S. boundary T. 5 N., R. 30 E., S. W. S. R. M.

BOOK 1296

Remains.

a mound of stone along side corner  
stone. Pits impracticable.

Land mountainous.

Soil 3<sup>rd</sup> rate

Timber of Pine, Fir <sup>and</sup> Oak.

Vegetation, bunchgrass.

East on S. boundary sec. 36.

W. 14° 12' East.

Ascend.

40.00 Set a larva stone, 20 x 10 x 7 in., 15 in.  
in the ground, for Standard 14 sec.  
cr., marked S. C. 14 on N. face;

from which bears:

Q. Fir, 20 in. dia., N. 11° 14' W., 5 lbs. dia.,  
marked S. C. 14 S. B. J.

No other tree within limits; raised a  
mound of stone along side corner  
stone. Pits impracticable.

80.00 Set a post, 4 1/2 ft. long, 4 in. square, 24 in.  
in the ground, for Standard Cor. to Tps.



1<sup>st</sup>. Standard Line N., along 19  
S. boundary T. 5 N., R. 30 E., S. 2<sup>nd</sup> & S. R. M.

BOOK 1296

Claims

5 N., R. 30<sup>th</sup> & 31 E., marked  
S. 6 T. 5 N., on N.

R. 31 E., S. 31 on E. 2<sup>nd</sup>

R. 30 E., S. 36 on W. faces, with 6  
notches on N., E. 2<sup>nd</sup> on W. faces;

from which bears:

A Fir, 24 mis. dist., N. 20° E., 26 lks. dist.,  
marked T. 5 N., R. 31 E., S. 31 B.C.

A Fir, 19 mis. dist., N. 15 1/4° W., 16 lks. dist.,  
marked T. 5 N., R. 30 E., S. 36 B.C.

No other trees within limits; dug  
a pit 24 x 18 x 12 mis. crosswise on line  
N. of post, 6 ft. dist., and raised a  
mound of earth, 2 1/2 ft. high, 5 ft. base  
around post.

Land mountainous, Soil 3<sup>rd</sup> rate.

Timber of Pine, Fir 2<sup>nd</sup> and Oak.

Vegetation, bunchgrass.

From the Stand cor to Tps 5 N  
R. 30 & 31 E. just established by me

S. boundary T. 5 N., R. 31 E., G. W. V. R. M.

BOOK 1296

Chain

I run

East on S. boundary Sec. 31.

W.  $14^{\circ}09'$  East.

Ascend.

40.00 Set a larva stone,  $20 \times 9 \times 5$  ins, 8 ins  
in the ground, for Standard  $14^{\circ}$  sec.  
cor., marked S.C.  $14$  on N. face;

from which bear:

A yellow Pine, 24 ins. dia.,  $47^{\circ}14'$  N., 9 lks. dist,  
marked S.C.  $14$  S. B.  $\checkmark$ .

No other trees within limits, raised  
a mound of stone along side corner  
stone. Pits impracticable.

54.00 Top of Ridge, bear N.W.  $2^{\circ}$  S. E. and  
descend.

80.00 Set a larva stone,  $24 \times 14 \times 14$  ins, 1 ins.  
in the ground, for Standard cor. to  
Secs. 31  $^{\text{th}}$  32, marked S.C. with  
5 notches on E. edge and 1 notch  
on W. edge; from which bear:

A yellow Pine, 40 ins. dia.,  $47^{\circ}39'14''$  E., 48 lks. dist,  
marked T. 5 N., R. 31 E., S. 32 B.  $\checkmark$ .

S. boundary T. 5 N., R. 31 E., S. 31 B. V.

No. 1296

BOOK 1296

Chains

A yellow Pine, 18 in. dia., H. 19' 4", 74 lbs. cut,  
marked T. 5 N., R. 31 E., S. 31 B. V.

No other tree within limits; raised  
a mound of stone along side corner  
stone. Pits impracticable.

Lava mountainous.

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

Heavy timber of Pine, Fir & Oak  
Vegetation, bunchgrasses.

East on S. boundary sec. 32

W. 14' 07" East.

Descend.

40.00 Set a lava stone, 15 x 8 x 4 in., 10 in.  
in the ground, for standard 1/4 sec.  
cor., marked S. C. 1/4 on W. face;

from which bears:

A yellow Pine, 20 in. dia., H. 19' 1/2", 66 lbs. cut,  
marked S. C. 1/4 S. B. V.

No other tree within limits; raised  
a mound of stone along side corner

Standard line N., along  
S. boundary T. 5 N., R. 31 E., S. 32 B. T.

BOOK 1296

Chains

stone. Pits impracticable.

59.50 Cross Creek, 5 lks. wide, course  
S. E.  $44^{\circ}$  ascend.

70.00 Cross Creek, 7 lks. wide, course S.  
and continue to ascend.

80.00 Set a sandstone, 15 + 11 + 5 ins., 10 ins.  
in the ground, for Standard Cor to  
Secs. 32  $44^{\circ}$  33, marked S. E. with  
4 notches on E.  $44^{\circ}$  2 notches on W.  
edges; from which bear:

A White Oak, 14 ins. dia,  $4. 39^{\circ} 10' E.$ , 48 lks. dist,  
marked T. 5 N., R. 31 E., S. 32 B. T.

A White Oak, 9 ins. dia,  $4. 17^{\circ} 10' W.$ , 84 lks. dist,  
marked T. 5 N., R. 31 E., S. 32 B. T.

No other trees within limits; raised  
a mound of stone alongside corner  
stone. Pits impracticable.

Land mountainous.

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

Heavy timber of Pine, Fir  $44^{\circ}$  Oak,  
Vegetation, bunchgrasses.



Blair

East on S. boundary sec. 33

Var.  $14^{\circ} 09'$  East.

Ascend.

28.00 Top of Butte, cross N.  $\frac{2}{3}$  S.  $\frac{2}{3}$  descend.

40.00 Set a granite stone,  $14 \times 10 \times 4$  ins., 9 ins.

in the ground, for Standard '14 sec.

cor., marked S. C. '14 on N. face;

from which bears:

A White Pine, 10 ins. dia.,  $\text{N. } 75^{\circ} \text{W.}$ , 55 lks. dist,

marked S. C. '14 S. B. C.

No other trees within limits; raised  
a mound of stone along side corner  
stone. Pits impracticable.

50.00 Set a granite stone,  $24 \times 10 \times 5$  ins.,

18 ins. in the ground, for Standard

cor. to secs. 33<sup>rd</sup> & 34, marked S. C.

with 3 notches on E.  $\frac{2}{3}$  W. edges;

from which bears:

A Yellow Pine, 20 ins. dia.,  $\text{N. } 74^{\circ} \text{E.}$ , 23 lks. dist,

marked T. 5 N., R. 31 E., S. 34 B. C.

A Yellow Pine, 13 ins. dia.,  $\text{N. } 80^{\circ} \text{W.}$ , 11 lks. dist,

Standard line N., along  
S. boundary T. 5 N., R. 31 E., S. 30 B. 17

BOOK 1296

Observations

x marked T. 5 N., R. 31 E., S. 30 B. 17  
No other trees within limits; raised  
a mound of stone along side corner  
stone. Pits impracticable.

Land mountainous.

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

Heavy timber of Pine, Fir & Oak,  
Vegetation, bunchgrasses.

East on S. boundary sec. 34.

Wa.  $14^{\circ}09'$  East.

Descend.

23.50 Cross creek, 7 lks. wide, course S.  
and ascend.

40.50 Set a land stone,  $14 \times 11 \times 5$  ins, 9 ins  
in the ground, for Standard 14 sec.  
cor., marked S. C. 14 on N. face;  
from which pass:

A yellow Pine, 14 ins. dia,  $N. 15^{\circ}14' E.$ , 14 lks. dist,  
Unmarked S. C. 14 S. B. 17.

No other trees within limits; raised

S. boundary T. 5 N., R. 31 E., S. 35 B. C. M.

BOOK 1296

Claims

a mound of stone alongside corner  
stone. Pits impracticable.

PO. 00 Set a laral stone, 17x11x4 ins, 11 ins  
in the ground, for standard cor. to  
Dees. 34<sup>th</sup> & 35 marked S. C. with  
2 notches on E. & 4 notches on  
W. edges; from which trees:

A yellow Pine, 18 ins dia., N. 60° E., 61 lks. dist,  
marked T. 5 N., R. 31 E., S. 35 B. C.

A yellow Pine, 20 ins dia., N. 30° W., 70 lks. dist,  
marked T. 5 N., R. 31 E., S. 34 B. C.

No other trees within limits; raised

a mound of stone alongside corner  
stone. Pits impracticable.

Land mountainous.

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

Heavy timber of Pine, Fir & Oak.

Vegetation, bunchy mes.

Chamb.

East on S. boundary sec. 35.

W.  $142^{\circ} 09'$  East.

Ascend.

7.50 Top of Spur, bear N.  $2^{\text{nd}}$  S. E. descend.  
28.80 Cross Creek, 5 lks. wide, course S. E.  
and ascend.

40.00 Set a post, 3 ft. long, 3 ins. square,  
Stand  
24 ins. in the ground,  $1\frac{1}{2}$  sec. cor.,  
marked S. E.  $14^{\circ}$  S. on W. face;

from which bear:

A yellow Pine, 14 ins. dia.,  $71^{\circ} 55'$ , 19 lks. dist.,  
marked N. E.  $1\frac{1}{2}$  S. B. C.

No other trees within limits; dug  
a pit 18 x 18 x 12 ins. W. of post, 5  $\frac{1}{2}$  ft.  
dist., and raised a mound of  
earth, 1  $\frac{1}{2}$  ft. high, 3  $\frac{1}{2}$  ft. base, around post.

45.88 Interest Arizona  $2^{\text{nd}}$  New Mexico  
boundary line, at a point  
123.73 chs, South of the 221<sup>st</sup> mile  
corner, which is a granite stone,  
set firmly in the ground, marked



Standard line N., along 27  
S. boundary T. 5 N., R. 31 E., S. 35 S.R.M.

BOOK 1296

Claims.

221 on N.; 32° N.E. on S.; Ariz on W,  
on N. W and E faces, from which trees:

A Yellow Pine, 20 ins. dia., S. 65° W, 21 lks. dist.,  
marked 221<sup>st</sup> N. P. B. V.

A Yellow Pine, 20 ins. dia., N. 54° W, 57 lks. dist.,  
marked 221<sup>st</sup> N. P. B. V. and

set a post, 4 ft. long, 4 ins.  
square, 24 ins. in the ground  
for closing cor. to sec. 35 on  
1<sup>st</sup> Standard Line North,

marked

A.C. T. 5 N. R. 31 E. on N. 2<sup>nd</sup>

C.C. sec. 35 on W. faces, with 1  
notch on E. 2<sup>nd</sup> 5 notches on W.  
faces; from which trees:

A Yellow Pine, 20 ins. dia., N. 80° E, 98 lks. dist.,  
marked T. 5 N., R. 31 E., S. 35 B.V.

No other trees within limits;

dug pits 18 x 18 x 12 ins. N. 2<sup>nd</sup> W.

of post, 5 1/2 ft. dist., and raised  
a mound of earth, 2 ft. high,

S. boundary T. 5 N., R. 31 E., S. 2nd S. R. 7th.

BOOK 1296

Charnis

4 1/2 ft. base, around post.

Land mountainous.

Soil 2<sup>nd</sup> & 3<sup>rd</sup> rates.

Timber of Yellow Pine.

Vegetation, bunchgrass.

I carefully examined the adjustments  
of my Solar Compass today, particularly  
the latitude and leveling apparatus  
and found them correct.

April 6<sup>th</sup> 1883.

S. boundary T. 5 N., R. 28 E., G. 2 S. R. M.

BOOK 1296

Alamo

From the Standard Cor. to Tpo. 5 N.,  
Ro. 28<sup>th</sup> & 29 E., previously set by  
me, I run

West on a true line on S. boundary sec. 36.  
Val. 14° 15' East.

Decease.

40.00 Set a sandstone, 18 x 14 x 12 ins, 12 ins in  
the ground, for Standard 1/4 sec. cor,  
marked D.C. 14 on N. face and  
raised a mound of stone along side.

Pits impracticable.

69.00 Enter Black River bottom, cross N. 2<sup>nd</sup> S.

76.40 Cross Black River, 35 lks. wide, course N.

78.00 Lean bottom land, cross N. 2<sup>nd</sup> S. & 2<sup>nd</sup> E. sec. 36.

80.00 Base of Rice Rock, cross N. 2<sup>nd</sup> S. and  
set a lava stone, 16 x 11 x 10 ins, 11 ins  
in the ground, for Standard Cor. to sec.  
35<sup>th</sup> & 36, marked D.C. with 1 notch  
on E. 2<sup>nd</sup> & 5 notches on W. edges and  
raised a mound of stone  
along side. Pits impracticable.

Standard line N., along  
S. boundary T. 5 N., R. 28 E., G. W. 12 M.

BOOK 1296

Chains.

Land rolling and level.

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

Timber of Pine <sup>40</sup> ft.

Vegetation, bunchgrass.

West, on S. boundary sec. 35.

Ya. 14° 18' East

Ascend.

.40 Top of Rice Rock, then N. & S. descend.

40.00 Set a lava stone, 16 x 11 x 7 ins., 11 ins.

in the ground, for Standard  $\frac{1}{4}$  sec.

cor, marked S. C.  $\frac{1}{4}$  on N. face;

from which bear:

a yellow Pine, 40 ins. dia, 41.60' H., 56 lbs. dia,  
marked S. C.  $\frac{1}{4}$  S. B. J.

No other tree within limits; raised

a mound of stone along side corner

stone. Pits impracticable.

67.00 Cross Brook, 5 lks. wide, course

S. & ascend.

80.00 Set a sandstone, 18 x 14 x 6 ins., 12 ins.



S. boundary T. 5 N., R. 28 E., G. & S. R. M.

BOOK 1296

Grain.

in the ground, for standard cor.  
to secs. 34 and 35, marked S. C.  
with 2 notches on E. and 4 notches  
on W. edges and raised a mound  
of stone alongside. Pits impracticable.  
Lands rolling and broken.

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

Trees of Pine and Fir.

Vegetation, bunchgrass.

West on S. boundary sec. 34.

W. 14° 18' East.

Over rolling land.

40.00 Set a larval stone, 11 x 11 x 8 ins., 7 in.  
in the ground, for standard 1/4 sec.  
cor., marked S. C. 1/4 on N. face's

from which bears:

a yellow pine, 18 ins. dia., N. 20° W., 61 lbs. dist,  
marked S. C. 1/4 & S. B. C.

No other tree within limits; raised  
a mound of stone alongside corner

Standard Acre N., along  
O. boundary T. 5 N., R. 28 E., G. and S. R. M.

BOOK 1296

Chain

Ston. Pits impracticable.

75.00 Cross Creek, 6 lks. wide, course S.

80.00 A Pine tree, 12 ins. dia., which I marked

O.C. T. 5 N., R. 28 E. on N.;

D. 34 on E. side

D. 33 on W. faces, with 3 notches on  
E. <sup>in</sup> W. faces, for Standard cor. to sec.

33<sup>rd</sup> and 34; from which bears:

A Yellow Pine, 20 ins. dia., N. 20° E., 52 lks. dist,  
marked T. 5 N., R. 28 E., S. 34 B.C.

A Yellow Pine, 12 ins. dia., N. 30° W., 33 lks. dist,  
marked T. 5 N., R. 28 E., S. 33 B.C.

No other tree within limits; dug a  
pit 18 x 18 x 12 ins. N. of tree, 5 ft. dist,  
and raised a mound of earth  
around tree.

Land rolling.

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

Heavy timber of Pine and Fir.

Vegetation, bunchgrass.

Standard line N., along  
S. boundary T. 5 N., R. 28 E., S. W. 1/4 R. M.

BOOK 1296

Claims.

West on S. boundary sec. 33,

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

Ascend.

32.00 Top of Ridge, bear N.  $45^{\circ}$  W.  $2^{\text{nd}}$  descend.

40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins.  
in the ground, for Standard  $1/4$  sec.

cor., marked S. C.  $1/4$  S. in N. face;  
from which bear:

a Yellow Pine, 36 ins. dia.,  $71.57^{\circ}$  W., 75 lks. dist,  
marked S. C.  $1/4$  S. B. V.

No other tree within limits, dug a  
pit  $18 \times 18 \times 12$  ins. E. of post,  $5\frac{1}{2}$  ft.  
dist., and raised a mound of earth  
 $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base, around post.

50.00 Set a larval stone,  $18 \times 11 \times 9$  ins., 12 ins.  
in the ground, for Standard cor. to  
secs. 32  $^{\text{nd}}$  33, marked S. C. with  
4 notches on E.  $^{\text{nd}}$  2 notches on W.  
edges; from which bear:

a Yellow Pine, 24 ins. dia.,  $71.40^{\circ}$  E., 27 lks. dist,  
marked T. 5 N., R. 28 E., S. 33 B. V.

S. boundary T. 5 N., R. 28 E., S. 32 B. 0.

BOOK 1296

Claims.

A Yellow Pine, 36 ins. dia., N. 10° W., 10 lks. dist,  
marked T. 5 N., R. 28 E., S. 32 B. 0.

No other tree within limits; raised  
a mound of stones along side corner  
stones. Pits impracticable.

Land mountainous.

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

Heavy timber of Pine and Fir.

Vegetation, bunchgrass.

West on S. boundary sec. 32.

W. 14° 18' East.

Descend.

2. 30 Cross Creek, 20 lks. wide, course  
S. 30° E. and ascend.

HC. 00 Set a post, 3 ft. long, 3 ins. square, 2 ft. in  
in the ground, for Standard 14 sec. cor,  
marked S. C. 14 on N. face;

from which bears:

A Pine, 7 ins. dia., N. 5° W., 9 lks. dist,  
marked S. C. 14 S. B. 1.



S. boundary T. 5 N., R. 28 E., G. W. S. R. M.

BOOK 1296

Chenis.

No other tree within limits; dug a pit 18x18x12 ins. E. of post, 5<sup>1</sup>/<sub>2</sub> ft. dist, and raised a mound of earth, 1<sup>1</sup>/<sub>2</sub> ft. high, 3<sup>1</sup>/<sub>2</sub> ft. base around post.

45.00 Top of Ridge, bear N. 20° W. and S. 20° E. and descend.

50.00 A Yellow Pine, 8 ins. dia, which I marked S. E. T. 5 N., R. 28 E. as N.

D. 32 on E. end

D. 31 on W. faces, with 5 notches on E.

and 1 notch on W. faces, for Standard cor. to sec. 31 and 32, from which bear:

A Yellow Pine, 30 ins. dia, N. 20° E., 36 lks. dist, marked T. 5 N., R. 28 E., D. 32 B. V.

A Yellow Pine, 15 ins. dia, N. 45° W., 3 lks. dist, marked T. 5 N., R. 28 E., D. B. I. B. J.

No other tree within limits; dug a pit 18x18x12 ins. N. of tree, 5<sup>1</sup>/<sub>2</sub> ft. dist, and raised a mound of earth around tree.

Land mountain

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

S. boundary T. 5 N., R. 28 E., S. E. 1/4 S. R. M.

BOOK 1296

Chain's

Many timber of Pine & Fir.  
Vegetation, bunchgrass.

West on S. boundary sec. 31.  
Wa. 14° 18' East.

Descend.

40.00 A Pine tree, 6 ins. dia, which I marked  
S.C. 1/4 S. on N. face, for Standard  
1/4 sec. cor.; from which bears:

A Yellow Pine, 7 ins. dia, N. 30° E., 18 lks. dist,  
marked S.C. 1/4 S. 13. 1/2.

A yellow Pine, 6 ins. dia, N. 40° W., 9 lks. dist,  
marked S.C. 1/4 S. 13. 1/2.

75.00 Cross bar, 5 lks. wide, course S. 2° W. second.

80.00 Set a post, 4 1/2 ft. long, 4 ins. square,  
24 ins. in the ground, for Standard  
cor. to S. 1/4 T. 5 N., R. 27<sup>th</sup> & 28 E.,  
marked

S.C. T. 5 N. on N.;  
R. 28 E., S. 31 on E. <sup>2nd</sup>  
R. 27 E., S. 36 on W. face, with

S. boundary S. 5 N, R. 28 E, S. 31 B.C.

BOOK 1296

Cranio

Catches on N, E. <sup>and</sup> W. faces;

from which trees:

A Yellow Pine, 20 ins. dia, N. 10° E, 27 lbs. dia,  
marked S. 5 N, R. 28 E, S. 31 B.C.

A Yellow Pine, 21 ins. dia, N. 85° W, 22 lbs. dia,  
marked S. 5 N, R. 27 E, S. 36 B.C.

A Yellow Pine, 30 ins. dia, S. 70° E, 7 lbs. dia,  
marked S. 4 N, R. 28 E, S. 36 B.C.

Land rolling.

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

Heavy timber of yellow Pine.

Vegetation, bunchgrass.

I carefully examined the  
adjustments of my Solar Compass  
today, particularly the latitude  
and moving apparatus and  
found them correct.

April 9<sup>th</sup> 1883.

From Stand Cor. to S. 5 N. R.  
27 & 28 E. just established by me  
I need

1<sup>st</sup> Standard line N., along  
S. boundary T. 5 N., R. 27 E., S. and S. R. 7th.

BOOK 1296

Notes

West on S. boundary sec. 36.

Val.  $14^{\circ} 21'$  East.

Over rolling land.

40.00 Set a laral stone,  $18 \times 12 \times 6$  ins, 12 ins  
in the ground, for Standard  $1/4$   
Sec. cor, marked S.C. 14 on N. face  
and raised a mound of stone  
along side. Pits impracticable.

65.00 Descend.

78.10 Cross Creek, 5 fts. wide, course S.E.  
and ascend.

80.00 Set a laral stone,  $19 \times 18 \times 14$  ins, 14 ins  
in the ground, for Standard cor. to sec.  
 $35^{\text{th}}$  on 36, marked S.C. with 1 notch  
on E.  $2^{\text{nd}}$  & 5 notches on W. edges;

from which bears:

A yellow Pine, 48 ins. dia, N.  $50^{\circ} E$ , 92 fts. dist,  
marked T. 5 N., R. 27 E., S. 36 B.C.

No other tree within limits; raised  
a mound of stone along side corner  
stone. Pits impracticable.



S. boundary T. 5 N., R. 27 E., G. 2 S. R. M.

BOOK 1296

Chains

Land rolling.

Soil 2<sup>nd</sup> and 3<sup>rd</sup> rates.

Timber of Pine.

Vegetation, bunchgrass.

West at S. boundary sec. 35.

Va. 14° 21' East.

Ascend.

- 37.00 Top of Hill, bears N.  $\frac{1}{2}$  S.  $\frac{1}{2}$  descend.
- 40.00 Set a larval stone, 19x16x8 ins, 14 ins in the ground, 3<sup>rd</sup> Standard 14 sec. cor, marked D. C. 14 at N. face; from which bears: a yellow Pine, 18 ins. dia., N. 80° W., 6 lks. dist, unmarked D. C. 14 O. B. C.
- No other trees within limits; raised a mound of stone along side corner stone. Pits impracticable.
- 53.80 Cross Creek, 7 lks. wide, course S. E.  $\frac{1}{2}$  ascend.
- 62.00 Top of Spur, bears N. W.  $\frac{1}{2}$  S. E.  $\frac{1}{2}$  descend.
- 70.00 Cross Ravine, 10 lks. wide, course S. E.  $\frac{1}{2}$  ascend.
- 80.00 Set a larval stone, 16x11x8 ins, 11 ins. in

Standard wire - 1, using  
S. boundary V. 5 N., R. 27 E., G. & O. R. M.

BOOK 1296

Charris.

the ground, for Stanton cor. to sec.  
34<sup>th</sup> 2<sup>nd</sup> 35, marked D. C. with 2  
notches on E. 2<sup>nd</sup> 4<sup>th</sup> 14 notches on W. edges;  
front which bears:

A yellow Pine, 20 ins. dia., N. 20° E., 6 lbs. dia.,  
marked V. 5 N., R. 27 E., S. 35 B.C.

A yellow Pine, 24 ins. dia., N. 80° W., 19 lbs. dia.,  
marked V. 5 N., R. 27 E., S. 34 B.C.

No other tree within limits; raised  
a mound of stone along side corner  
stone. Pits impracticable.

Land mountainous.

Soil 2<sup>nd</sup> & 3<sup>rd</sup> rates.

Heavy timber of Pine.

Vegetation, bunch grass.

West on S. boundary sec. 34,

W. 14° 21' East.

Ascend.

20.00 Top of Spur, bears N. and S. 2<sup>nd</sup> descend.

40.00 Set a hard stone, 14 x 10 x 8 ins., 9 ins. in

Standard line 10, along 41  
S. boundary T. 5 N., R. 27 E., S. 2<sup>nd</sup> S. R. M.

BOOK 1296

Loran's

the ground, for Standard 14 sec. cor.,  
marked S. C. 14 on N. face;

from which bears;

Q Pine, 16 ins. dia., N. 40° W., 36 lks. dist.,  
marked S. C. 14 S. B. C.

No other tree within limits; raised  
a mound of stone alongside corner  
stone. Pits impracticable.

42.00 Cross Rains, 20 lks. wide, course S. 20° E.  
and ascend.

80.00 Set a sandstone, 24 x 8 x 6 ins, 18 ins. in  
the ground, for Standard cor. to sec. 33

or 34, marked S. C. with 3 matches on  
E<sup>and</sup> W. edges; from which bears:

Q Yellow Pine, 40 ins. dia., N. 70° E., 34 lks. dist.,  
marked T. 5 N., R. 27 E., S. 34 B. C.

No other tree within limits; raised a mound of  
stone alongside corner stone. Pits impracticable.

Land maintaining Soil 3<sup>rd</sup> rate.

Timber of Pine.

Vegetation, bunchgrass.

N. boundary T. 5 N., R. 27 E., G. & O. R. M.  
 BOOK 1296

Chains

West on N. boundary sec. 33,

W. 14° 21' East,

Ascend.

27.60 To East boundary of White Mountain

Indian Reservation and

set a post, 4 ft. long, 4 in. square

with marked stone, 12 in. in the

ground for Closing Cor. to T. 5 N.,

R. 27 E., sec. 33 on said boundary,

marked S. C. "T. 5 N. R. 27 E. on T. 4<sup>th</sup>

C. C. S. 33 on E. face, with 4 notches

on E. <sup>2<sup>nd</sup></sup> and 2 notches on W. faces, and

raised a mound of stone around

post. Pits impracticable.

Soil 3<sup>rd</sup> mts.

Timber of Yellow Pine.

Vegetation, bunchgrass.

I carefully examined the adjustments of  
 my Solar Compass today and found it to  
 be correct. April 10<sup>th</sup> 1883.



Calculation of distance from Boundary  
Line between Arizona <sup>and</sup> New Mexico  
to E. boundary of White Mountain  
Indian Reservation along 1<sup>st</sup> Standard  
Line North.

Longitude of E. boundary W. M. I. Res.  $109^{\circ} 30'$

Longitude of boundary bet. A. & N. M.  $109^{\circ} 52' 59.25''$

Difference  $27' 0.75''$

Latitude of 1<sup>st</sup> Standard N., is  $33^{\circ} 44' 31''$ .

Degree of Long. in Lat.  $33^{\circ} N.$ , = 58.063 miles.

The distance from the 33<sup>rd</sup> parallel N. to the  
1<sup>st</sup> Standard Line N. is comparatively

short; therefore in order to find the  
length of a degree of Long. in Lat.

$33^{\circ} 44' 31''$ , the following formula is  
sufficiently accurate.

Cos.  $33^{\circ}$  : Cos.  $33^{\circ} 44' 31''$  :: 58.063 : 57.57 miles =  
length of a degree of Long. in Lat.  $33^{\circ} 44' 31''$ .

Hence  $1^{\circ}$  :  $27.075$  :: 57.57 : 25 miles, 9700, 4800 =  
the distance required, which is  
distributed as follows:

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Distance along 1<sup>st</sup> Standard in  
R. 31 E., 4 miles, 45.85 cws.

Distance along 1<sup>st</sup> Standard in  
R. 30 E., 6 miles.

Distance along 1<sup>st</sup> Standard, in  
R. 29 E., 6 miles.

Distance along 1<sup>st</sup> Standard in  
R. 28 E., 6 miles.

Distance along 1<sup>st</sup> Standard in  
R. 27 E. 3 miles, 27.60 cws.

For final outlines  
see book No. 18.

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

Tucson, Arizona, June 16, 1884

The foregoing Field Notes of the Survey of the

1<sup>st</sup>. Standard N. Line North  
Township 5 North along South  
Boundary of  
Ranges 27, 28, 29, 30 & 31 East.

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by W. R. Fitzgerald,

Deputy Surveyor, under his contract of the 22<sup>nd</sup>,  
day of July, 1882, having been

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

Rayald Johnson  
Surveyor General.