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Compared ~~Books No. 72~~

Deputy Surveyor.

T. *19* **R.** *8*

Gila and Salt River Meridian.

No. 43

Field Notes

OF

THE SUBDIVISION LINES OF

Township *18 N* Range *29 E*

Gila and Salt River Meridian.

BY

Deputy Surveyor.

Under his Contract of *1882* 1882

Survey Commenced *July 8* 1883

Survey Completed *July 14* 1883

Platted,
Copied for Washington,
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No. 43

A. J. LEARY,
Printer, Publisher and Stationer,
402-404 Sansome Street, S. F.

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Index & Co.

11
W. R. Fitzgerald Deputy Surveyor.

T. 29 N. R. 29 E.

Gila and Salt River Meridian.

Field Notes

No. ~~29~~ 43

THE SUBDIVISION LINES OF

Township 29 N. Range 29 E.

Gila and Salt River Meridian.

BY

W. R. Fitzgerald Deputy Surveyor.

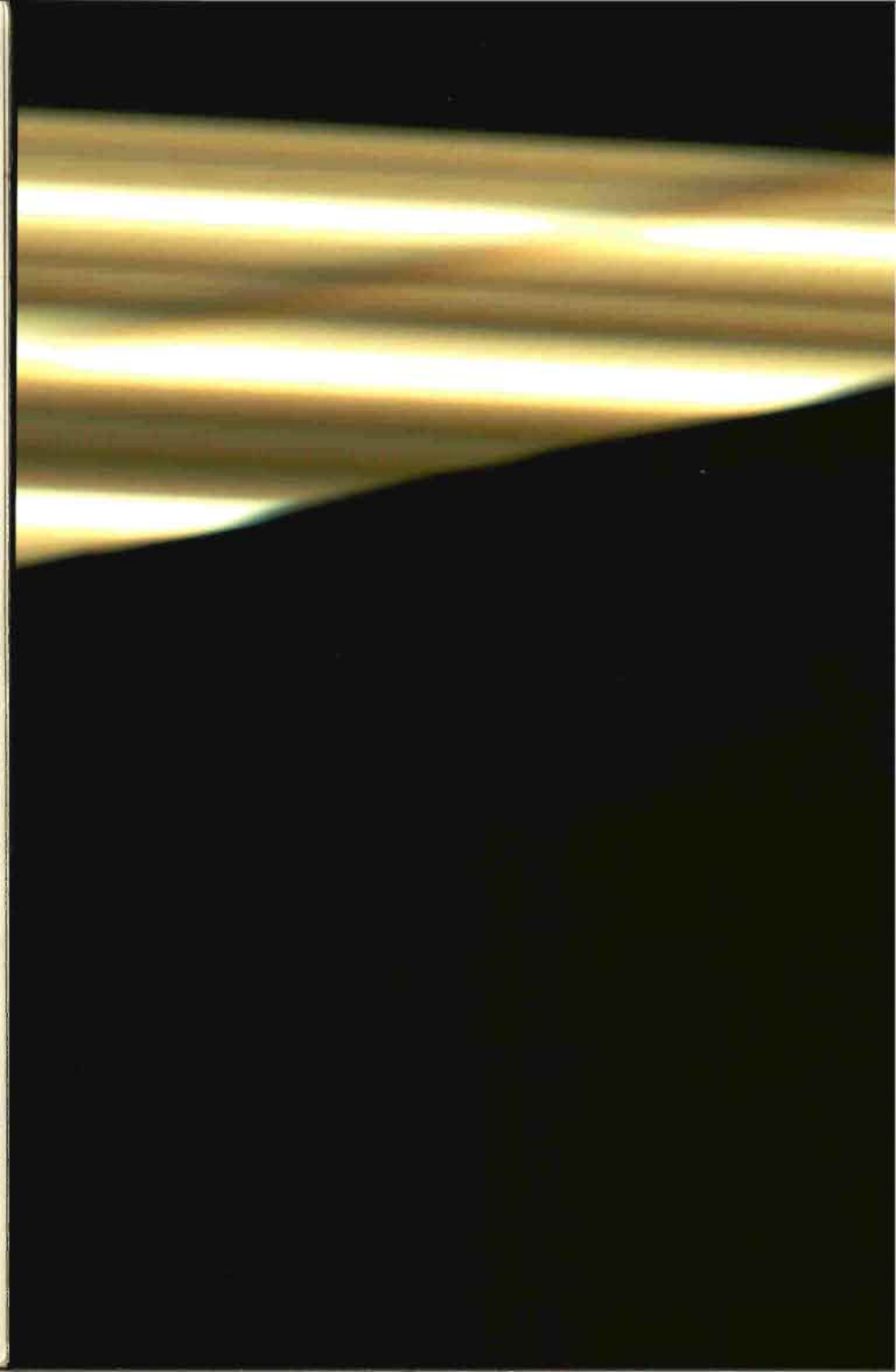
Under his Contract of July 22 1882

Survey Commenced July 6 1883

Survey Completed July 14 1883

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1A-1B

BOOK 43

BOOK 43

Township 6 North, Range 29 East,

S. of R. B. & Meridian.

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0/5

Township..... Range.....

..... Meridian.

No ~~49~~
43

For preliminary notes
see book No. 1

Survey made with Burt's Patent Improved Solar
Compass, nearly new, and in first rate order. Made
by Otto Fennel of Cassel
Germany in 1881

Township

Range

Gila and Salt River Meridian.

(See previous page.)

Chains

From the Corner to Sections 1, 2, 35 & 36 on the South boundary
precisely set by me.

I run

North, between Sections 35 and 36.

Variation $141^{\circ} 15'$ East.*Over rolling land.*

46.00 Set a *square* stone $12 \times 3 \times 3$ ins., 8
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
face, and raised a mound of stone alongside. Pits
impracticable.

41.00 Cross Brook. 3 lks. wide, Course $N. 60^{\circ} W.$

49.00 Leave Valley. & ascend on rolling surface.

80.00 Set a *square* stone $15 \times 15 \times 7$ ins. 12 ins. in
the ground for Cor. to Secs. 15, 20, 35 & 36 marked
with \int notch on S. and \int notch on E. edges and
raised a mound of stone alongside. Pits impracticable.

from which

A Yellow Pine 18 ins diam. bears $N. 41^{\circ} W.$ 30 lks. dist.
marked T. & N. R. 29 E. S., 20 B. T.

A Yellow Pine 12 ins diam. bears $N. 47^{\circ} E.$ 21 lks. dist.
marked T. & N. R. 29 E. S., 25 B. T.

A Yellow Pine 30 ins diam. bears $S. 13^{\circ} W.$ 31 lks. dist.
marked T. & N. R. 29 E. S., 33 B. T.

No other trees within limits.

Land rolling.

Soil *3rd rate*Timber of *Y. Pine*Vegetation. *grass*

Township 20 N Range 29 E

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 25 and 36.

Variation 14° 18' East.

Ascend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

50.13 intersect E. B. of Tp. 28 lks. S. of cor. to secs. previously set by me.

25. 30. 31. 36 from which corner, I run

189° 45' W. on a true line, between sections 25 & 36

Variation 11° 15' East.

40.00 Set a lava stone 20 x 12 x 3 ins., 15

ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. Pits

unpracticable. from which

2 Yellow Pine 20 ins diam. bears S. 50° E. 24 lks. dist.

marked $\frac{1}{2}$ S. B. T. No other trees within limits.

50.13 The corner to sections 25. 20. 35 & 36

Land rolling.

Soil 3rd rate

Timber of pine & oak.

Vegetation. grass.

Township 6 N. Range 20 E.

Gila and Salt River Meridian.

Chains

^{4th} North, between Sections 25 and 26.

Variation 141° 18' East.

Descend.

40.00

Set a lava stone 20 x 20 x 15 ins., in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on face, and raised a mound of stone alongside. Pits impracticable.

80.00

Set a lava stone 12 x 6 x 8 ins. in the ground for Cor. to Secs. 24, 25, 26 marked with 2 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Yellow Pine 10 ins diam. bears S. 63° E. 31 lks. dist. marked T. 6 N. R. 29 E. S., 25 B. T.

A Yellow Pine 21 ins diam. bears S. 45° W. 29 lks. dist. marked T. 6 N. R. 29 E. S., 26 B. T.

A Spruce 20 ins. diam. bears N. 69° W. 4 lks. dist. marked T. 6 N. R. 29 E. S., 23 B. T.

No other trees within limits.

Land mountainous

Soil 3^d rate

Timber of pine, oak, fir & spruce

Vegetation. grass.

Township C N Range 29 E

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 24 and 25.

Variation

$14^{\circ} 18'$

East.

Ascend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

80.26 Intersect E. B. of Tp. 5 lks. S. of cor. to secs.
previously set by me.

19.24.25, 30 from which corner, I run

$89^{\circ} 08' W.$ on a true line, between sections 24 & 25

Variation

$11^{\circ} 15'$

East.

40.13

Set a Lava stone 30 x 14 x 8 ins., 15

ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N,

face, and raised a mound of stone alongside.

Pits

impracticable.

from which

A Yellow Pine 20 ins diam. bears $1.50' W.$ 30 lks. dist.

marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

80.26

The corner to sections 23, 24, 25 & 20

Land mountainous

Soil 2° rate

Timber of Pine & Oak.

Vegetation grass.

Township 0 N. Range 39 E.Gila and Salt River Meridian.

Chains

^{4 W.}
North, between Sections 23 and 24.Variation 14° 18' East.*Ascend.*

40.00

Set a Lava stone 15 x 12 x 4 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. *Pits impracticable.**from which*A Yellow Pine 20 ins diam. bears S 20° E. 19 lks. dist. marked $\frac{1}{4}$ S. B. T. : *No other trees within limits.*

80.00

A Yellow Pine 20 ins diam. *which I marked*T. 6 N. S. 13, on N. E. R. 29 E., S. 24 on S. E. S. 23, on S. W. and S. 11 on N. W. faces, with 3 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth around tree, for cor. to secs.13. 14. 23. 24*from which*A Yellow Pine 20 ins diam. bears N. 3° W. 14 lks. dist. marked T. 6 N. R. 27 E., S. 14 B. T.A Pine 26 ins, diam. bears S. 45° W. 21 lks. dist. marked T. 6 N. R. 24 E., S. 23 B. T.*No other trees within limits.*Top of Spur, bears *and descend.*

Land mountainous

Soil 3 $\frac{1}{2}$ ° rateTimber of pine, spruce, oak etc.Vegetation. grass.

Township Range

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 13 and 24.

Variation 11° 18' East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

7759 Intersect E. B. of Tp. 39 lks. S. of cor. to secs. 13. 15. 19 & 21 from which corner, I run

57° 42' W. on a true line, between sections 13 & 21

Variation 11° 15' East.

3444 Set a lava stone 10 x 36 x 6 ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable.

7759 The corner to sections 13. 17. 22 & 24

Land mountainous

Soil 3rd rate

Timber of pine, spruce, oak & fir.

Vegetation grass.

Township

Range

Gila and Salt River Meridian.

Chains

North, ^{4. W.} between Sections 13 and 14.Variation $111^{\circ} 18'$ East.

Descend.

46.00

Set a *Sura* stone $14 \times 10 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, and raised a mound of stone alongside. Pits impracticable. from which
 A Yellow Pine 20 ins diam. bears N. 10° E. 69 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

80.00

Set a *Sura* stone $30 \times 10 \times 10$ ins. 22 ins. in the ground for Cor. to Secs. 11, 12, 13 & 14 marked with 4 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Yellow Pine 20 ins diam. bears N. 10° E. 31 lks. dist. marked T. 6 N. R. 29 E. S., 12 B. T.

No other trees within limits.

Land mountainous

Soil 3^{rd} rate

Timber of pine, fir, spruce, oak &c.

Vegetation. grass.

511

Township *C 1* Range *19 E**Gila and Salt River* Meridian.

Chains

East, on a random line between Sections 12 and 13.

Variation *11° 15'*

East.

*Ascend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.*SC 11* Intersect *E. B. of Twp. 6 S* *1/2* mls. *S.* of cor. to secs.*previously set by me.**12, 13 & 15* from which corner, I run*137 21' W.* on a true line, between sections *12 & 13*Variation *11° 15'*

East.

46.62

Set a post 3 ft. long, 3 ins. diam. with marked stone

12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on*N.* face, dug pits, 18 x 18 x 12 ins., *E.* and *W.* ofpost $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.high, $3\frac{1}{2}$ ft. base around post.*SC 14*The corner to sections *11, 12, 13 & 14*

Land mountainous

Soil *3"* rateTimber of *Pine, fir, spruce, oak &c.*Vegetation. *grasses.**11**July 10. 1883*

Township

Range

Gila and Salt River Meridian.

Chains

4th W.
North, between Sections 11 and 12.

Variation

11° 15'

East.

Descend.

40.00

Set a *lava* stone 20 x 20 x 3 ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

80.00

Set a *lava* stone 15 x 15 x 11 ins. 10 ins. in the ground for Cor. to Secs. 1, 2, 11 & 12 marked with 5 notch on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Yellow Pine 14 ins diam. bears S 57° W. 61 lks. dist. marked T. 6 N. R. 29 E. S. 11 B. T.

A Yellow Pine 24 ins diam. bears S 45° E. 51 lks. dist. marked T. 6 N. R. 29 E. S. 12 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate

Timber of pine, larch, oak, spruce etc.

Vegetation. grass.

Township C 1 Range 24Gila and Salt River Meridian.

Chains

East, on a random line between Sections 1 and 12.

Variation 14° 18' East.

Descend.

36.30 Cross Wash, 8 lks. wide, Course N., and ascend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.43.00 Top of Spur, bears N. & S., and descend.80.20 Intersect E. B. of Tp. 48 lks. S. of cor. to 'secs.
previously set by me.1. C. 7 & 12 from which corner, I runU. S. 7° 47' W. on a true line, between sections 1 & 12Variation 121° 15' East.40.10 Set a lava stone 12 x 10 x 11 ins., 8
ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.
face, and raised a mound of stone alongside. Pits
impracticable. from whichA Yellow Pine 10 ins diam. bears N. 87° E. 6 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.80.20 The corner to sections 1, 2, 11 & 12

Land mountainous

Soil 2nd rateTimber of pine, oak, fir & quaking asp. s.Vegetation. grass.

Township *C. N.* Range *30 E*

Gila and Salt River Meridian.

Chains

North, ^{14. W.} on a random line between Sections 1 and 2.Variation $14^{\circ} 21'$ East.

Descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.57.00 Enter Valley, bears $\text{C. } 2^{\circ} \text{ W.}$ 77.58 Intersect N. B. of Tp. 35 lks. W. of cor. to secs.
1. 2. 35 ³⁰ previously set by me.
from which corner, I run

8. 11' W. on a true line, between sections 1 & 2

Variation $14^{\circ} 18'$ East.39.58 Set a post 3 ft. long. 3 ins. diam. with marked stone
12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
W. face, dug pits, 18 x 18 x 12 ins., N. and S. 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. from whichAn Oak 14 ins. diam. bears N. $31^{\circ} 30' \text{ W.}$ 38 lks. dist.
marked $\frac{1}{4}$ S. B. T. No other trees within limits.

79.58 The corner to sections 1. 2. 11 & 12

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, oak, cedar &c.

Vegetation grass -

Township C N Range 29 E

Gila and Salt River Meridian.

Chains

From the Corner to Sections 2, 3, 34 & 35 on the South boundary
previously set by me.

I run

N. W.

North, between Sections 34 and 35.

Variation *14° 18'* East.*Descend.**8.00* Cross Ravine, Course *W.**40.00* Set a *lava* stone *18 x 15 x 6* ins., *12*
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *W.*
face, and raised a mound of stone alongside. *Pits*
impracticable. *from which**A Yellow Pine 20* ins diam. bears *N. 33° E.* *21 1/2* lks. dist.
marked $\frac{1}{4}$ S. B. T. *No other trees within limits.**80.00* Set a post 4 ft. long, 4 ins. square, with marked stone
12 ins. in the ground, for Cor. to Secs. *26, 27, 34 & 35*
marked *T, 6 N. S. 26* on N, E, R, *29 E, S. 35*
on S, E, S, *34* on S, W, and S, *27* on N, W. face
with *1* notch on S, and *2* notches on E, edges,
dug pits *18 x 18 x 12* ins, in each Sec., *5 1/2* ft. dist.,
and raised a mound of earth 2 ft. high, *4 1/2* ft. base
around post.

Land mountainous

Soil *3rd* rateTimber of *pine, oak, cedar, etc.*Vegetation. *grass,*

Township Range

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 26 and 35.

Variation $141^{\circ} 18'$ East.

Ascend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.41.00 Enter Timber, bear $N 10^{\circ} W$.

45.90 Cross low Sag and ascend.

80.31 Intersect N. & S. line, 10 lks. S. of cor. to sec.

25, 26, 33, 36 from which corner, I run

 $159^{\circ} 56'$ W. on a true line between sections 26 & 35Variation $141^{\circ} 18'$ East41.15 Set a Java stone $15 \times 16 \times 8$ ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Yellow Pine 24 ins diam. bears $N 55^{\circ} W$, 28 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

80.31 The corner to sections 26, 27, 34 & 35

Land mountainous

Soil 3rd rate

Timber of pine, spruce, oak, fir, etc.

Vegetation grass.

Township Range 39 E

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation 14° 15' East.

Descend.

25.00 Cross Wash, 5 fts. wide, Course S 83° W and ascend.
42.00 Set a lava stone 14 x 12 x 8 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on W face, and raised a mound of stone alongside. Pits impracticable.

80.00 Set a limestone stone 12 x 12 x 4 ins. 5 ins. in the ground for Cor. to Secs. 22, 23, 26, 27 marked with 1 notch on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine & oak.

Vegetation. grass.

Township Range

Gila and Salt River Meridian.

Chains

^{N. W.}
North, between Sections 22 and 23.

Variation 41° 18' East.

Ascend.

40.00

Set a Sand stone 16 x 11 x 8 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

A Pine 12 ins, diam. bears S. 60° E. 12 wks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

70.00

Top of Hill bears E. & W. and descend.

80.00

Set a lava stone 20 x 15 x 12 ins. 17 ins. in the ground for Cor. to Secs. 11, 15, 22, 23 marked with 3 notches on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which
A Pine 1 1/8 ins, diam. bears S. 50° W. 10 wks. dist. marked T. A. R. 21 E. S., 22 B. T.

No other trees within limits.

Land rolling.

Soil 2nd & 3rd rate

Timber of pine, oak, cedar &c.

Vegetation. grass.

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

July 7. 1883

Township

Range

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 14 and 23.

Variation $141^{\circ} 18'$ East.

Along N slope,

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

79.63 Intersect N. & S. line; 140 lks. N. of cor. to secs.

12, 14, 22, 24 from which corner, I run

N. $89^{\circ} 10' W.$ on a true line between sections 14 & 23

Variation $121^{\circ} 18'$ East

39.81 Set a *Chond* stone 12 x 1' x 1' ins., 8

ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. Pits

impracticable. from which

1 Yellow Pine 8 ins diam. bears N. $25^{\circ} E.$ 50 lks. dist.

marked $\frac{1}{2}$ S. B. T. No other trees within limits.

79.63 The corner to sections 14, 15, 22, 23

Land mountainous

Soil 3^{rd} rate

Timber of *pine, oak, cedar* etc.

1000 Vegetation *grass.*

Township _____ Range _____

Gila and Salt River Meridian.

Chains

^{21' 11"}
North, between Sections 14 and 15.

Variation ^{14' 15"} East.

Descend.

5.00
40.00

Cross Brook. 21 lks. wide, Course N. and ascend.

Set a ^{lava} stone 36 x 26 x 16 ins., 22 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable.

from which
A Pine 8 ins. diam. bears N. 30° E. 12 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.00

Set a ^{lava} stone 16 x 9 x 5 ins. 10 ins. in the ground for Cor. to Secs. 10, 11, 14 & 15 marked with 2 notches on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil ^{light} rate

Timber of pine, oak, cedar &

Vegetation. grass.

Township 6 Range 29

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 11 and 14.

Variation $14^{\circ} 18'$ East.*Ascend.*15.00 Top of Spur, bears N. W. $\frac{1}{2}$ S. $\frac{1}{2}$ E. and descend.

30.00 Cross Ravine, Course N. W. and ascend

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

79.38 Intersect N. & S. line, 13 lks. N. of cor. to secs.

11, 12, 13, 14 from which corner, I run

N. $89^{\circ} 54'$ W. on a true line between sections 11 & 14Variation $14^{\circ} 18'$ East39.69 Set a *lava* stone, 10 x 12 x 0 ins., 15ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Yellow Pine 20 ins diam. bears N. 10° E., 31 lks. dist.marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

79.38 The corner to sections 10, 11, 14 & 15

Land mountainous

Soil *F.* rateTimber of *Yernie* species oak for

Vegetation. Grass.

Township Range Gila and Salt River Meridian.

Chains

North, ^{S. W.} between Sections 10 and 11.

Variation

14° 15'

East.

Descend.

300 Grass Ravine, Course $N. 10^{\circ} E.$ and ascend
 10.00 Top of Spur, bears $E. \text{ } \frac{1}{2} N.$ and descend.
 30.00 Grass Ravine, Course $N. 10^{\circ} E.$ and ascend
 24.00 Set a *small* stone $16 \times 11 \times 9$ ins., 10
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N.*
 face, and raised a mound of stone alongside. **Pits**
impracticable.

04.00 Cross Brook. 2 lks. wide, Course $N. 30^{\circ} W.$
 80.00 Set a *small* stone $24 \times 26 \times 18$ ins. 18 ins. in
 the ground for Cor. to Secs. $9, 9, 10$ & 11 marked
 with 5 notches on S. and 1 notch 12 on E. edges and
 raised a mound of stone alongside. **Pits impracticable.**

Land mountainous

Soil $2^{\circ} + 3^{\circ}$ rateTimber of *spruce & spruce* etc.Vegetation. *grass*

Township *10 S 1 N*

Range *29 E*

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 2 and 11.

Variation *141° 15'*

East.

Ascend. completely.

33.00

Top of mountain & distance completely.

40.00

Set temporary 1/2 Sec. Cor.

74.54

Intersect N. & S. line, 22 lks. S, of cor. to secs.

12.11 & 12 from which corner, I run

S. 59° 51' W. on a true line between sections 2 & 11

Variation 141° 15' East

30.11
37.11

Set a lava stone 15 x 10 x 3 ins., 12

ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N.

face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Yellow Pine 20 ins diam. bears N. 20° E. 31 lks. dist.

marked 1/2 S. B. T. No other trees within limits.

79.54

The corner to sections 2, 3, 10 & 11

Land mountainous

Soil 3" rate

Timber of pine, fir, oak, quaking aspen.

Vegetation grass.

Township, C. N. Range 29 E.

Gila and Salt River Meridian.

Chains

North, ^{21' W.} on a random line between Sections 2 and 3.

Variation 14° 21' East.

Ascend.

15.00 Top of Spur, bears N. W. & S. E. and descend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

40.89 Intersect N. B. of Tp. 9 lks. W. of cor. to secs.
23, 24 & 25 ^{previously set by me.} from which corner, I run

S. 1' E. on a true line, between sections 2 & 3

Variation 11° 18' East.

34.59 Set a post 3 ft. long, 3 ins. diam. with marked stone
12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on
N. face, dug pits, 18 x 18 x 12 ins., N. and S. 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.

from which

A Yellow Pine 10 ins diam. bears N. 20° E. 31 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.

7.89 The corner to sections 2, 3, 10 & 11

Land mountainous

Soil 3' rate

Timber of Pine, fir, oak, Quercus sp. &c.

Vegetation. grass.

Township 0 N Range 29 E

Gila and Salt River Meridian.

Chains

From the Corner to Sections 3, 4, 33 & 34 on the South boundary previously set by me.

I run

4.0

North, between Sections 33 and 34.

Variation

14° 15'

East.

Ascend.

6.00

Top of Spur, bears E. 11. and descend.

40.00

Set a lava stone 14 x 10 x 5 ins., 10
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.

And raised a mound of stone alongside. Pits
practicable. from which

1 Yellow Pine 20 ins diam. bears N. 40° E. 29 lks. dist.
marked 1/4 S. B. T.

2 Fir 14 ins. diam. bears N. 50° W. 25 lks. dist:
marked 1/4 S. B. T.

79.00 ...

Cross Brook. 10 lks. wide, Course S. W.

80.00

Set a lava stone 14 x 14 x 6 ins. 15 ins. in
the ground for Cor. to Secs. 25, 26, 33, 34 marked
with 1 notch on S. and 1 notch on E. edges and
raised a mound of stone alongside. Pits impracticable.

Land mountainous

Soil poor rate

Timber of pine, cedar

..

Vegetation grass

Township 6 N Range 29 E

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 27 and 34.

Variation 14° 15' East.

Descend.

0.00 Cross Creek 12 lks. wide, Course S. W. and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.40 Intersect N. & S. line, 44 lks. S. of cor. to secs.

U. 27, 31, 33 from which corner, I run

1.57° 58' W. on a true line between sections 27 & 34

Variation 14° 15' East

29.73 Set a granite stone 14 x 10 x 4 ins., 10

ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face, and raised a mound of stone alongside. Pits

impracticable.

79.216 The corner to sections 27, 29, 33 & 34

Land rolling.

Soil 27 & 34 rate

Vegetation grass

July 9. 1883

Township 0 5 N Range 29 0Gila and Salt River Meridian.

Chains

North ^{N.W.} between Sections 27 and 28.Variation 14° 15' East.*Ascend.*

23.00 U. corner 20 ch. E. of line.
40.00 Set a lava stone 20 x 14 x 5 ins., 15
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
 face, and raised a mound of stone alongside. Pits
 unpracticable.

80.00 Set a lava stone 21 x 14 x 4 ins. 18 ins. in
 the ground for Cor. to Secs. 21, 22, 27, 28 marked
 with 2 notches on S. and 3 notches on E. edges and
 raised a mound of stone alongside. Pits unpracticable.

Land rolling.Soil 3rd rateTimber of fresh cedar, for quaternary etc.Vegetation. grass

Township 6 N Range 29 E

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 22 and 27.

Variation 14° 18' East.

Discard
21.00 *Iron truck rolled into corner S.W.*
40.00 *Set temporary 1/2 Sec. Cor.*

77.81 *Intersect N. & S. line, 8 lks. N. of cor. to secs.*

22.23.26 & 27 from which corner, I run

N. 89° 57' W. on a true line between sections 22 & 27

Variation 14° 18' East

37.50 *Set a Yellow stone 12" x 12" x 14 ins., 8*
ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N,
face, and raised a mound of stone alongside. Pits
unpracticable. from which

A Yellow Pine 20 ins diam. bears S. 10° E. 27 lks. dist.
marked 1/2 S. B. T.

No other trees within limits.

74.51 *The corner to sections 21, 22, 27 & 28.*

Land rolling.

Soil 2" rate

Timber of pine, oak & cedar.

Vegetation. grass.

Township

6 C N

Range

29 E

Gila and Salt River Meridian.

Chains

1/4 W.
North, between Sections 21 and 22.

Variation

111° 15'

East.

Ascend.

12.00

Top of Ridge and descend.

15.00

Cross Brook. 3 lks. wide, Course S. E.

210.00

Set a lava stone 14 x 10 x 8 ins., 10

ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.

face, and raised a mound of stone alongside. Pits

impracticable.

from which

1 Yellow Pine 20 ins diam. bears N. 5° W. 1 1/2 lks. dist.

marked 1/4 S. B. T.

No other trees within limits.

80.00

Set a lava stone 20 x 14 x 10 ins. 15 ins. in

the ground for Cor. to Secs. 15, 16, 21 + 22 marked

with 3 notches on S. and 3 notches on E. edges and

raised a mound of stone alongside. Pit. impracticable.

from which

1 Yellow Pine 20 ins diam. bears S 80° E. 1/2 lks. dist.

marked T. 6 N. R. 29 E. S., 20 B. T.

1 Yellow Pine 40 ins diam. bears S 25° W. 3/4 lks. dist.

marked T. 6 N. R. 29 E. S., 21 B. T.

10 Aspen 20 ins. diam. bears N. 20° W. 1/2 lks. dist.

marked T. 6 N. R. 29 E. S., 16 B. T.

No other trees within limits.

Land mountainous

Soil 2nd rate

Timber of pine, cedar, aspen, oak &c.

Vegetation. Grass.

Township 6 N Range 29 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 15 and 22.
Variation 11° 15' East.

Descend.

30.00 Cross Brook. 3 lks. wide, Course S. E. and ascend

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

60.00 Top of Ridge, bears N. W. & S. E. and descend.

70.43 Intersect N. & S. line, 25 lks. S. of cor. to secs.

112 15.22 & 23 from which corner, I run

189° 11' W. on a true line between sections 15 & 22

Variation 11° 15' East

34.96 Set a shell stone 18 x 10 x 12 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable.

10.93 The corner to sections 15. 16. 21 & 22

Land mountainous

Soil 2° & 3° rate

Timber of pine.

Vegetation. grass.

Township 6 N Range 99 E

Gila and Salt River Meridian.

Chains

^{14.6} North, between Sections 15 and 16.

Variation 11° 15' East.

Ascend.

775 A Pine 24 ins, diam.

40.00 Set a lava stone 10 x 9 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/2 on face, and raised a mound of stone alongside. Pits impracticable.

A Pine 24 ins, diam. bears 150° E, 20 lks. dist. marked 1/2 S. B. T. No other trees within limits.

45.00 Top of Hill bears E. W. and descend.

63.00 Leave Timber, leave N.E. & S.W.

75.00 Enter Timber, leave N. 30° E. & S. 30° W.

80.00 Set a lava stone 10 x 11 x 8 ins. 10 ins. in the ground for Cor. to Secs. 9, 10, 15 & 16 marked with 4 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 60 ins, diam. bears 130° E, 22 lks. dist. marked T. & N. R. 39 E. S., 15 B. T.

No other trees within limits.

Land mountainous

Soil 1. 2. 3. rate

Timber of grass

Vegetation pine, cedar, oak etc.

Township Range 29

Gila and Salt River Meridian.

Chains East, on a random line between Sections 10 and 15.
Variation 4° 15' East.

Over rolling land.

2.00 Leave Timber, course N. 50° E. & 0.30° W.
5.00 Enter Meadow course N. & S.
20.00 Leave Meadow course N. & S.
25.00 Enter Timber, course N. & S.
40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
75.00 Cross Brook. 11 lks. wide, Course N. E.
79.55 Intersect N. & S. line, 27 lks. N. of cor. to secs.
10. 11. 14 & 15 from which corner, I run
N. 89° 45' W. on a true line between sections 10 & 15
Variation 14° 15' East

39.94 Set a Small stone 10 x 12 x 5 ins., 11
ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.
face, and raised a mound of stone alongside. Pits
impracticable. from which

A Yellow Pine 12 ins diam. bears N. 77° E. 0.1 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.

79.55 The corner to sections 9. 10. 15 & 16
Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation grass
I carefully examined the adjustments of my solar
compass to-day, particularly the latitude and revers-
ing apparatus, and found them correct. July 10. 1883

Township 6 S N. Range 29 E.Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation 14° 15' East.*Ascend.*27.00 Top of Hill bears E. & W. and descend.28.00 Leave Timber, cross E. & W.27.00 Enter Meadow bears N. 60° E.29.00 Leave Meadow bears S. 40° E.40.00 Set a sand stone 11 x 9 x 6 ins., 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.100. and raised a mound of stone alongside. Pits
impracticable.42.00 Enter Timber, bears N. 70° E. & S. 50° W.
and ascend80.00 Set a sand stone 16 x 11 x 5 ins. 10 ins. in
the ground for Cor. to Secs. 3, 11, 7 & 10 marked
with 0 notch on S. and 3 notch on E. edges and
raised a mound of stone alongside. Pits impracticable.*from which*A Pine 20 ins, diam. bears N. 60° E. 24 lks. dist.
marked T. & N. R. 29 E. S., 3 B. T.A Pine 24 ins, diam. bears N. 30° W. 30 lks. dist.
marked T. & N. R. 29 E. S., 11 B. T.No other trees within limits.Land rolling.Soil 1" 2" 3" rateTimber of pine, oak, fir, cedar &c.Vegetation grass.

Township 6 N Range 19 E

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 3 and 10.

Variation 14° 15' East.

Descend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

41.50 Cross Brook. 3 lks. wide, Course N. and ascend

" 45.00 Top of Spur, bears N. 20° E. and descend.

69.00 Cross Brook. 6 lks. wide, Course N. and ascend

70.00 Intersect N. & S. line. 50 lks. N. of cor. to secs.

1.310 + 11 from which corner, I run

N. 57° 39' W. on a true line between sections 3 & 10

Variation 11° 15' East

39.98

Set a Granite stone 22 x 18 x 10 ins., 18

ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Pine 30 ins, diam. bears S. 10° W. 20 lks. dist.

marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

72.96

The corner to sections 3, 4, 9, 10.
Land mountainous

Soil 1/2 2nd 3rd rate

Timber of pine, fir, Aspen, oak, etc.

Vegetation. grass.

Township *6 N*Range *29 E*

Gila and Salt River Meridian.

Chains

North, ^{4.11} on a random line between Sections 3 and 4.Variation *11° 21'* East.

Ascend.

30.00 Top of Hill bears *E. & N.* and descend.*40.00* Set temporary $\frac{1}{4}$ Sec. Cor.*60.40* Cross Creek *8* lks wide, Course *E*, and ascend.*78.21* Intersect *N. B.* of Tp. *23* lks. *E.* of cor. to secs. previously set by me.*3.4. 23 & 21* from which corner, I run*1. 11'* *S.* on a true line, between sections *2 & 1*Variation *11° 15'* East.*39.21* Set a *lava* stone *10 x 11 x 9* ins., *10* ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N.* face, and raised a mound of stone alongside. Pits impracticable.*79.64* The corner to sections *3. 4. 9 & 10*

Land rolling.

Soil *Sth* rateTimber of *ponderosa**121* Vegetation. *grass.*

Township 6 N Range 29 E

Gila and Salt River Meridian.

Chains

From the Corner to Sections 4, 5, 32 & 33 on the South boundary
previously set by me.

1 run

^{27.11.}
North between Sections 32 and 33.

Variation $110^{\circ} 15'$ East.

Descend.

40.00 Set a sand stone $76 \times 8 \times 5$ ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, and raised a mound of stone alongside. Pits impracticable.

45.00 Cross Creek 8 lks. wide, Course N. and ascend.

70.00 Top of Spur, bears E. & N. and descend.

80.00 Set a sand stone $20 \times 15 \times 8$ ins., 15 ins. in the ground for Cor. to Secs. 5, 29, 32, 33 marked with 1 notch on S. and 4 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

A fir sapling, base $145^{\circ} E$, 15 lks. dist. from which
marked T.C.N. R. 29 E. S. 33 B. T.
in Aspen 3 ins. diam. bears $145^{\circ} E$. 5 lks. dist.

in Aspen 5 ins. diam. bears $125^{\circ} N$. 20 lks. dist.
marked T.C.N. R. 29 E. S. 32 B. T.

No other trees within limits.

Land rolling.

Soil 2^{nd} , 3^{rd} rate

Timber of fir, fir, oak, aspen &c.

Vegetation, grass.

Township

Range

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 28 and 33.

Variation

11° 18'

East.

*Descend.*10.00 Cross Gulch, 8 lks. wide, Course *J* and ascend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.75 Intersect N. & S. line. 33 lks. *N* of cor. to secs.

28, 33, 32 from which corner, I run

N. 87° 46' W. on a true line between sections 28, 33

Variation

11° 15'

East

3287

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

79.75

The corner to sections 28, 29, 32, 33

Land rolling.

Soil *20'* *20'* rateTimber of *yellow, fir, oak, aspen* &c.Vegetation. *grass*

Township C 1 Range 70 E

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation 11° 15' East.

Descend.

41.80 Grass Brook. 3 lks. wide, Course S. E.
42.18 A Pine 24 ins, diam.
43.00 Set a lava stone 30 x 16 x 5 ins., 2
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
 face, and raised a mound of stone alongside. Pits

impracticable. from which
 A Pine 8 ins, diam. bears 100 E. 305 lks. dist.
 marked $\frac{1}{4}$ S. B. T. No other trees within limits.

43.00 Top of Ridge, bears N. E. and descend.
44.00 Set a post 4 ft. long, 4 ins. square, with marked stone
12 ins. in the ground, for Cor. to Secs. 20, 21, 28, 29
 marked T. C. N. S. 24 E., on N. E. R. 27 E. S. 28
 on S. E. S. 29 on S. W., and S. 20 on N. W. face
 with 2 notches on S., and 1 notch on E. edges,
 dug pits 18 x 18 x 12 ins, in each Sec., 5 $\frac{1}{2}$ ft. dist.,
 and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base
 around post. from which

An Aspen 8 ins. diam. bears N. 70° W. 10 lks. dist.
 marked P. C. N. K. 27 E. S., 20 B. T.
 No other trees within limits.
 Land rolling.

Soil 1st 2nd 3rd rate
 Timber of pine fir oak aspen c.
 Vegetation. grass.

Township Range

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 21 and 28.

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

Ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

30.00 Top of Hill bears N. 8° E. $11'$ and descend.

79.94 Intersect N. & S. line. 10 lks. N. of cor. to secs.

21.22 25 from which corner, I run

N. $89^{\circ} 54' W.$ on a true line between sections 21 & 28

Variation $14^{\circ} 18'$ East

39.97

Set a post 3 ft. long, 3 ins. diam. with marked stone

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on

N. face, dug pits, 18 x 18 x 12 ins., E. and 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.

79.94

The corner to sections 20, 21, 25 & 29

Land mountainous

Soil 2^{nd} & 3^{rd} rate

Timber of pine, fir & oak.

Vegetation. grass

Township C A Range 29 E.

Gila and Salt River Meridian.

Chains

North ^{N.W.} between Sections 20 and 21.

Variation 17° 15' East.

Descend.

10.25 Cross Ravine, Course E. and ascend
38.00 Top of Hill bears E. & N. and descend.
46.00 Set a lava stone 11 x 9 x 8 ins., 5
 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.
 face, and raised a mound of stone alongside. Pits
 impracticable.

from which

A Pine 18 ins, diam. bears 13° N. 20 lks. dist.
 marked $\frac{1}{2}$ S. B. T. No other trees within limits.

57.00 Leave Timber, cross E. & N.

55.00 Cross Ravine, Course E. and ascend

60.00 Enter Timber, E. & N.

80.00 Set a lava stone 10 x 11 x 8 ins. 10 ins. in
 the ground for Cor. to Secs. 16. 17. 20 & 21 marked
 with 3 notches on S. and 11 notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

from which

A Pine 10 ins, diam. bears 1.40° E. 45 lks. dist.
 marked T. 6 N. R. 29 E. S., 21 B. T.

A Pine 30 ins, diam. bears N. 10° E. 18 lks. dist.
 marked T. 6 N. R. 29 E. S., 10 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, fir, aspen, oak &c.

Vegetation. grass. July 11. 1883

Township 6 N Range 29 E

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 16 and 21.

Variation 11° 15' East.

Descend.

20.00 Cross Ravine, Course S. 20° E. and ascend

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.30 Intersect N. & S. line, 110 lks. S. of cor. to secs. 15, 16, 21, 22 from which corner, I run

159° 13' W. on a true line between sections 16, 21

Variation 11° 15' East

40.15 Set a granite stone 11 x 9 x 8 ins., 5 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable.

80.30 The corner to sections 16, 17, 20, 21

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, fir, oak, cedar, c.

Vegetation. grass

Township C Range 29

Gila and Salt River Meridian.

Chains

^{11' W.}
North, between Sections 16 and 17.

Variation 11° 15' East.

Ascend.

1.80

Top of Spur, bears N. E. 11' W. and descend.

44.00

Cross Brook. 11 lks. wide, Course S. E.

40.00

Set a lava stone 11 x 9 x 5 ins., 5 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. **Pits impracticable.**

54.00

Top of Hill bears N. E. 11' W. and descend.

62.00

Go up along E. slope of hill.

80.00

Set a lava stone 10 x 10 x 11 ins. 15 ins. in the ground for Cor. to Secs. 8, 9, 16 & 17 marked with 11 notch on S. and 11 notch on E. edges and raised a mound of stone alongside. **Pits impracticable.**

Land mountainous

Soil loam rate

Timber of pine, fir, oak, cedar

11.00

Vegetation. grass

Township

Range

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 9 and 16.

Variation

11° 18'

East.

Ascend.

1.30 Leave Meadows. Cross N. & S.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.52 Intersect N. & S. line. 10 lks. S. of cor. to secs.

9, 10, 15 & 16 from which corner, I run

S 57° 53' W. on a true line between sections 9 & 16

No.

Variation

11° 18'

East

40.20 Set a post 3 ft. long. 3 ins. diam. with marked stone

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ S. on

N. face, dug pits, 18 x 18 x 12 ins., E. and 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.

from which

A Pine 4 ins. diam. bears N. 10° E. 1.50 lks. dist.

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

No other trees within limits.

80.62

The corner to sections 5, 9, 10 & 17

Land mountainous

Soil 75' 2" 3" rate

Timber of pine, fir, oak, cedar &c.

Vegetation.

grass.

Township U. A. Range 29 E.Gila and Salt River Meridian.

Chains

North, ^{1/4} between Sections 8 and 9.Variation 11° 15' East.

Over level land

6.00 Large meadow bears E. & W.11.75 A Yellow Pine 118 ins diam.40.00 Set a lava stone 15 x 10 x 10 ins., 12
ins. in the ground, for 1/4 Sec. Cor., marked 1/2 on W.
face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Pine 30 ins, diam. bears 185° W. 10 lks. dist.marked 1/4 S. B. T. on No other trees within limits.Top of Hill bears E. & W. and descend.80.00 Set a lava stone 15 x 11 x 9 ins. 12 ins. in
the ground for Cor. to Secs. 4, 5, 8 & 9 marked
with 5 notches on S. and 11 notches on E. edges and
raised a mound of stone alongside. Pits impracticable.

Land mountainous

Soil 1st, 2nd, 3rd rateTimber of pine, fir, aspen, oak, c.Vegetation. grass.

Township C Range 19

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 4 and 9.

Variation $111^{\circ} 18'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.70.00 Top of Spur, bears $N. 8^{\circ} E.$ and descend.

80.17 Intersect N. & S. line, 9 lks. S. of cor. to secs.

34.9 + 10 from which corner, I run

 $S. 89^{\circ} 50' W.$ on a true line between sections 11 & 9Variation $111^{\circ} 18'$ East140.08 Set a sand stone $13 \times 12 \times 8$ ins., 5ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.

face, and raised a mound of stone alongside. Pits

impracticable. from which

⁹ in. Aspen 9 ins. diam. bears $S. 20^{\circ} W.$ 81 lks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.17 The corner to sections 4, 5, 8, & 9

Land rolling.

Soil 2° rate

Timber of pine, oak, etc.

Vegetation. grass.

Township E. N. Range 19 E.

Gila and Salt River Meridian.

Chains

^{21' W.} North, on a random line between Sections 4 and 5.

Variation 14° 21' East.

Descend.

28.00 Cross Brook. 5 lks. wide, Course N. 50° E.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

38.00 Top of Hill bears E. 2. W. and descend.

63.00 Cross Brook. 3 lks. wide, Course S. 70° E.

79.93 Intersect N. B. of Tp. 50 lks. N. of cor. to secs.

4.5.82 ^{marked by set by me.} from which corner, I run

1. 17' W. on a true line, between sections 14 & 5

Variation 111° 15' East.

39.93 Set a lava stone 14 x 8 x 6 ins., 10

ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. - Pits impracticable.

79.93 The corner to sections 14. 5. 8 & 9

Land rolling.

Soil 1st, 2nd, 3rd rate.

Timber of pine, fir, oaks.

Vegetation. grass.

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

July 12. 1883

Township 6 N Range 29 E

Gila and Salt River Meridian.

Chains

From the Corner to Sections 5, 6, 31 & 32 on the South boundary
previously set by me.

I run

North, between Sections 31 and 32.

Variation $11^{\circ} 18'$ East.*Ascend.*

40.00

Set a *hard* stone $11 \times 9 \times 8$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on *W.* face, and raised a mound of stone alongside. Pits impracticable.

80.00

Set a *hard* stone $18 \times 10 \times 10$ ins. 12 ins. in the ground for Cor. to Secs. *29, 30, 31, 32* marked with 1 notch on S. and 5 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 14 ins, diam. bears $S. 30^{\circ} W.$ 29 lks. dist. marked T. 6 N. R. 29 E. S., 31 B. T.

A Pine 18 ins, diam. bears $S. 70^{\circ} E.$ 38 lks. dist. marked T. 6 N. R. 29 E. S., 32 B. T.

No other trees within limits.

Soil *moderately rich.*Soil 2^{nd} 6^{th} rateTimber of *Pine, fir, Spruce, aspen.*Vegetation. *grass.*

Township C. N. Range 29 E.

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 29 and 32.

Variation $111^{\circ} 18'$ East.

Ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

53.00 Top of Ridge, bears N. E. 1° W. and descend.

80.05 Intersect N. & S. line. 33 lks. S. of cor. to secs.

28, 29, 30, 32 from which corner, I run

$157^{\circ} 50'$ W. on a true line between sections 29 & 32

Variation $111^{\circ} 15'$ East

4019 A Pine 11 ins, diam. which I marked $\frac{1}{4}$ S.

on N. face, for $\frac{1}{4}$ sec. cor., dug pits, $18 \times 18 \times 12$ ins.

E. and W. of tree, $5\frac{1}{2}$ ft. dist. and raised a mound

of earth around tree. from which

A Pine 10 ins, diam. bears 115° W. 30 lks. dist.

marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.38 The corner to sections 29, 30, 31 & 32

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, fir, oak spruce.

Vegetation. grass.

Township 10 N Range 29 E

Gila and Salt River Meridian.

Chains

West, on a random line between Sections 30 and 31.

Variation $111^{\circ} 18'$ East.

Along S. slope of hill.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.12 Intersect N. B. of Tp. 40 Tks. N. of cor. to secs. previously set by me.

25.30. 31.30 from which corner, I run

$N. 89^{\circ} 13' E.$ on a true line, between sections 30 & 31

Variation $111^{\circ} 18'$ East.

46.12 Set a Small stone $111 \times 10 \times 11$ ins., 10

ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. Pits

impracticable.

80.12 The corner to sections 29.30.31.32

Land mountainous

Soil 2nd & 3rd rate

Timber of pine oak fir, spruce

vee Vegetation grass.

Township 6 N Range 29 E

Gila and Salt River Meridian.

Chains

^{37.00} North, between Sections 29 and 39.

Variation 11° 18' East.

Ascend.

7.00 Top of Hill bears E. & N. and descend.
15.00 Leave Timber,
25.00 Cross Ravine, Course N. and ascend
40.00 Set a blond stone 11 x 11 x 8 ins., 10
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
 face, and raised a mound of stone alongside. Pits
 impracticable.

45.00 Top of Spur, bears E. & N. and descend.
60.00 Cross Ravine, Course N. and ascend
72.00 Top of Spur, bears E. & N. and descend.
 Leave Timber, blond E. & N.

80.00 Set a blond stone 20 x 15 x 5 ins. 10 ins. in
 the ground for Cor. to Secs. 19, 20, 24 & 30 marked
 with 3 notches on S. and 5 notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, fir, oak, spruce &

Vegetation grass.

Township

N.

Range

29

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 20 and 29.

Variation

141° 15'

East.

Ascend.

28.00

Enter Timber, *see N. & S.*

34.00

Top of Hill bears *N. & S.* and descend.

40.00

Set temporary $\frac{1}{4}$ Sec. Cor.

80.02

Intersect N. & S. line, 52 lks. $\frac{1}{4}$ of cor. to secs.

Secs. 28 & 29 from which corner, I run

189° 38' W. on a true line between sections 20 - 29

Variation

141° 15'

East

4001

Set a *round* stone 14 x 11 x 8 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N.* face, and raised a mound of stone alongside. *Pits impracticable.*

80.02

The corner to sections 19, 20, 29, & 30

Land mountainous

Soil 2nd & 3rd rate

Timber of *pine, fir, oak, spruce &*

see

Vegetation. *grass.*

Township 0 N Range 29 E

Gila and Salt River Meridian.

Chains

West, on a random line between Sections 19 and 30.

Variation 11° 18' East.

Descend.

230 Cross Brook. 3 lks. wide, Course S. 70° W and ascend

30.00 Top of Spur, bears 100° W. 1/2 E and descend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

47.00 Cross Brook. 5 lks. wide, Course S. W.

7.50 Intersect W. B. of Tp. 1° lks. N. of cor. to secs.

19. 24. 25 & 30 previously set by me. from which corner, I run

N. 87° 53' E, on a true line, between sections 19 & 30

Variation 11° 18' East.

39.80 Set a Sand stone 11 x 9 x 8 ins., 8

ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. Pits impracticable.

79.80 The corner to sections 19, 26, 29 & 30

Land mountainous

Soil 1st & 2^d rate

Timber of Pine, fir, oak, aspen &c.

1000 Vegetation. grass.

Township C. A. Range 29 E.

Meridian.

Chains

North, ^{N.W.} between Sections 19 and 20.Variation 11° 15' East.Descend.1.80 Cross Brook. 3 lks. wide, Course S. 50° W. and ascend21.00 Top of Hill bears E. & W. and descend.39.00 Cross Brook. 3 lks. wide, Course N. 50° W.48.00 Set a limestone stone 45 x 20 x 6 ins., 18 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable.45.00 Cross Brook. 3 lks. wide, Course S. W. and ascend70.00 Top of Hill bears E. & W. and descend.80.00 Set a limestone stone 21 x 16 x 3 ins. 18 ins. in the ground for Cor. to Secs. 17, 18, 19, 20 marked with 3 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.Land mountainousSoil 1st & 2nd rateTimber of hard pine, spruce, etc.Vegetation. grass, etc.

Township 0 1 Range 29 E

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 17 and 20.

Variation $111^{\circ} 15'$ East.*Ascend.*

700 Enter Timber, bear N. E. S. W.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.07 Intersect N. & S. line, 13 lks. S. of cor. to secs.

C.P. 3021 from which corner, I run

 $187^{\circ} 52'$ W. on a true line between sections 17 & 20Variation $111^{\circ} 15'$ East40.03 Set a sand stone $21 \times 15 \times 3$ ins., 18ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on

face, and raised a mound of stone alongside. Pits

impracticable. from which

A Yellow Pine 10 ins diam. bears 130° E. 1.25 lks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.07 The corner to sections 17, 18, 19 & 20

Land mountainous

Soil 2^{nd} & 3^{rd} rate

Timber of pine, fir, oak, aspen, etc.

Vegetation. grass.

July 13. 1883

Township *C N* Range *39 E*

Gila and Salt River Meridian.

Chains

West, on a random line between Sections 18 and 19.

Variation *11° 18'* East.

Descent.

35.00 Cross low Sag and ascend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

known only in the road corner S.E.

69.10
78.52 Intersect *N. B. of Tp. 22* lks. *S.* of cor. to secs. previously set by me.

13.15. 19 from which corner, I run

189° 51' E, on a true line, between sections *18 19*

Variation *11° 18'* East.

39.52 Set a sand stone *18 x 11 x 6* ins., *12* ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on face, and raised a mound of stone alongside. Pits impracticable.

79.32 The corner to sections *17, 18, 19, 20*
Land rolling.

Soil *2nd 3rd* rate

Timber of *pine, fir, oak w.*

Vegetation. *grass*

Township C. N. Range 19 E.

Gila and Salt River Meridian.

Chains

^{1/4 W.} North, between Sections 17 and 18.

Variation 11° 15' East.

Descend.

7.80 Cross Ravine, Course N. 80° W. and ascend

31.00 Enter Timber, leave N. 80° W. and S. 60° E.

46.00 Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on W. face, dug pits, 18 x 18 x 12 ins., N. and S. 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. from which

A Pine $\frac{1}{3}$ ins. diam. bears S. 75° W. 1.69 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

58.00 Top of Hill bears E. & W. and descend.

80.00 Set a lava stone 4 x 6 x 8 ins. 18 ins. in the ground for Cor. to Secs. 7. S. 17° 15' marked with 4 notches on S. and 5 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

An Aspen 8 ins. diam. bears N. 30° E. 18 lks. dist. marked T. & N. R. 29° E. S., 17 B. T.

An Aspen 10 ins. diam. bears N. 10° W. 22 lks. dist. marked T. & N. R. 29° E. S., 18 B. T.

No other trees within limits.

Land mountainous

Soil 100 37 rate

Timber of pine, oak, fir, spruce &c.

Vegetation grass.

Township 0 N Range 29 E

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 8 and 17.

Variation $111^{\circ} 15'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.50.00 Top of Hill bears N. & S. and descend.60.00 Entire Meadow bears N. & S.79.84 Intersect N. & S. line, 8 lks. N. of cor. to sec.

89.10 = 17' from which corner, I run

N. $89^{\circ} 57'$ W. on a true line between sections 8 & 17Variation $111^{\circ} 15'$ East

96.92 Set a Java stone 14 x 9 x 8 ins., 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
face, and raised a mound of stone alongside. Pits
impracticable.

79.84 The corner to sections 7, 8, 17 & 18

Land mountainous

Soil 1st & 2nd rateTimber of pine, fir, oak etc.Vegetation. grass.

Township Range

Gila and Salt River Meridian.

Chains

West, on a random line between Sections 7 and 18.

Variation 111° 18' East.

Descend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

77.73 Intersect W. B. of Tp. 95 lks. S. of cor. to secs. precipously set by me.
 7.12.13 & 18 from which corner, I run

157° 24' E, on a true line, between sections 7 & 18

Variation 111° 18' East.

39.73 Set a stone stone 10 x 8 x 7 ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, and raised a mound of stone alongside. Pits impracticable.

19.73 The corner to sections 7, 8, 17 & 18

Land rolling.

Soil g^m & s^o rate

Timber of pine, fir, oak, spruce &c.

Vegetation. grass

Township Range 29Gila and Salt River Meridian.

Chains

North, ^{1/4} between Sections 7 and 8.Variation 141° 15' East.

Descend.

8.00

Cinder Meadow bears E. & N.

17.00

Cinder Meadow on E. & N. and ascend

40.00

Set a limestone stone 15 x 14 x 8 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. Pits impracticable.

from which

An Aspen 8 ins. diam. bears N. 10° E. 21 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

63.16

A Fir 21 ft. diam.

67.50

Top of Ridge, bears N. 50° E. & S. 50° W. and descend.

80.00

Set a limestone stone 14 x 11 x 9 ins. 10 ins. in the ground for Cor. to Secs. 5, 6, 7 & 8 marked with 7 notches on S. and 5 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Fir 8 ins. diam. bears N. 35° W. 21 lks. dist. marked T. & N. B. 29 E. S., 0 B. T.A Aspen 11 ins. diam. bears N. 20° E. 22 lks. dist. marked T. & N. B. 29 E. S., 8 B. T.

No other trees within limits.

Land mountainous

Soil 1st & 2nd rateTimber of Pin. & Aspen for oak.Vegetation. grass.

Township Range

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 5 and 8.

Variation 11° 18' East.

Ascend.

8.20 Top of Spur, bears N. 8. S. W. and descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.72 Intersect N. & S. line, 32 lks. S. of cor. to secs.

47.5 S 29 from which corner, I run

159 $\frac{1}{16}$ W. on a true line between sections 5 & 8

Variation 11° 18' East

29.50 Set a Sand stone 11 x 8 x 6 ins.,

ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.

face, and raised a mound of stone alongside. Pits

unpracticable.

79.72 The corner to sections 5 & 8

Land mountainous

Soil 3rd rate

Timber of pine, oak etc.

Vegetation grass.

Township

Range

Gila and Salt River Meridian.

Chains

West, on a random line between Sections 6 and 7.

Variation

11° 15'

East.

Over rolling land.

40.00 Set temporary 1/4 Sec. Cor.

79.40 Intersect N.B. of Tp. 10 lks. S. of cor. to secs. previously set by me.

1.6. from which corner, I run

1.59° 53' E. on a true line, between sections

Variation 11° 15' East.

29.40

Set a Lava stone 11 x 11 x 8 ins., 10

ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.

face, and raised a mound of stone alongside. Pits

impracticable. from which

A Yellow Pine 11 ins diam. bears N. 25° E. 1.12 lks. dist.

marked 1/4 S. B. T.

No other trees within limits.

79.40

The corner to sections S. E. 1/4 8

Land rolling.

Soil 3" rate

Timber of pine, fir, oak, spruce.

1.59

Vegetation grass.

Township Range 29 E

Gila and Salt River Meridian.

Chains

^{27.00}
North, on a random line between Sections 5 and 6.

Variation 11° 21' East.

Descend.

27.90 Cross Brook, 5 lks. wide, Course 0, and ascend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

44.00 Top of Spur, bears 0 & W, and descend.

✓ 53.00 Cross Canon, 50 lks wide Course 0, and ascend

53.50 Intersect N. B. of 36 0 lks. 0 of cor. to secs.

S. C. 31 & 32 from which corner, I run

17 0 on a true line, between sections 5 & 6

Variation 11° 15' East.

46.50 Set a lava stone 11 x 9 x 8 ins., 10

ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W.

face, and raised a mound of stone alongside. Pits

unpracticable. from which

A Pine 20 ins, diam. bears N. 51° E. 18 lks. dist.

marked $\frac{1}{2}$ S. B. T.

A Pine 10 ins, diam. bears S. 30° E. 72 lks. dist.

marked $\frac{1}{2}$ S. B. T.

80.50 The corner to sections S. C. 7 & 8

Land mountainous

Soil 3rd rate

Timber of pine, fir, aspen & oak.

Vegetation. grass.

July 14. 1883

BOOK 43
GENERAL DESCRIPTION.

This Sp. is a high rolling, and mountainous body of land, a large portion of which is fine prairie covered with an excellent growth of grass. It is also traversed in some direction with fertile valleys and fine streams of cold spring water.

The soil, as a rule, is a rich dark loam, adapted to agriculture in most of its varieties, and is very productive.

The stone formation consists of a Basalt and Sand stone generally when seen in quantity.

This Sp. is well timbered with Yellow Pine, Spruce, Hemlock, Oak, Cedar, Pine, Quaking aspen.

The Yellow Pine timber being predominant.

It is well watered with springs and spring brooks which abound with Mountain Trout and other varieties of superior game fish.

The grazing facilities

of this Township are most desirable and unlimited.

It is easy of access with the common transportation of the country.

There are a few settlements in this Township, and wild game such as Deer, Antelope, Elk, Bear, Turkey, Duck, Goose, etc. etc. Abounds.

Altogether a most desirable body of fertile land.

For final matters
see book N^o 19

U. S. Surveyor-General's Office.

Tucson, Arizona

June 16, 1884

The foregoing Field Notes of the surveys of

Subdivision lines of
Township 6 North

Range 29 East,
Gila and Salt River Meridian

executed by W. C. Fitzgerald

U. S. Deputy Surveyor, under his contract dated

July 22, 1882,

having been critically examined, the necessary
corrections and explanations made, the said Field
Notes and the surveys they describe are hereby
approved.

Royal A. Johnson

U. S. Surveyor-General

For Arizona.