

Platted Copied Compared book No. 15

W. R. Fitzgerald Deputy Surveyor.

T. 41 N. R. 98 E.

6th and 7th Meridian.

No-22

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 41 N. Range 98 E.

6th and 7th Meridian.

BY

W. R. Fitzgerald Deputy Surveyor.

Under his Contract of July 29th 1882

Survey Commenced August-18th 1883

Survey Completed August-27th 1883

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No-22

22 indexed.

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No 22

1

W. R. Fitzgerald Deputy Surveyor.

T. 4 N. R. 28 E.

Gila & Salt River Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF-

Township 4 N. Range 28 E.

Gila & Salt River Meridian.

BY

W. R. Fitzgerald Deputy Surveyor.

Under his Contract of July 22, 1882

Survey Commenced August 18, 1883

Survey Completed August 27, 1883

Platted,

Copied for Washington,

Copied for Register,

No 22

1A

Township 4 N. Range 28 E.

S&S&R

Meridian.

6	60	5	44	4	33	3	22	2	11	1
59		58		43		32		21		10
7	57	8	42	9	31	10	20	11	9	12
53		55		41		30		19		8
18	54	17	40	16	29	15	18	14	7	13
53		52		39		28		17		6
19	51	20	38	21	27	22	16	23	5	24
50		49		37		26		15		4
30	48	29	36	28	25	27	14	26	3	25
47		46		35		24		13		2
31	45	32	34	33	23	34	12	35	1	36

OK.

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Township

No-22

Range

13

Meridian.

For preliminary values
see book N^o 1

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

Before proceeding to subdivide this Tp., I made a
change of 0 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 reversing.

10

Township

4 N.

Range

28 E.

BOOK 22

Gila and Salt River Meridian.

(See previous page.)
Chains

From the corner to Sections 35, 36, 1 and 2 on the South boundary, I run, ^{of 2 1/2}
previously set by me.
North, between Sections 35 and 36

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

Descend.

$14^{\circ} 15'$

40.00

Set a Basalt stone $20 \times 12 \times 10$ ins., 15
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 Pine 15 ins, diam. bears $S. 10^{\circ} E.$ 15 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.

80.00

Set a Basalt stone $18 \times 15 \times 12$ ins. 12 ins. in
the ground for Cor. to Secs. 25, 26, 35, 30 marked
with | notch on S. and | notch on E. edges and
raised a mound of stone alongside. Pits impracticable.

from which

A Pine 30 ins, diam. bears $S. 45^{\circ} W.$ 00 lks. dist.
marked T. 4N. R. 28 E. S., 35 B. T.

A Pine 24 ins, diam. bears $N. 6^{\circ} E.$ 23 lks. dist.
marked T. 4N. R. 28 E. S., 25 B. T.

No other trees within limits.

Land mountainous

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

Timber of pine, fir & oak.

Vegetation. grass.

Township 11 N. Range 28 E.

BOOK 22

Gila and Salt River Meridian.

Chains

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

Variation 41° 15' East.

Ascend. along slope of ridge.

20.00 Top of Ridge, bears N. 51° and descend.

38.00 Cross Brook. 11 lks. wide, Course N.

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

80.17 Intersect C.B. of Tp. 20 lks. N. of cor. to secs. previously set by me.

25.30.31 & 30 from which corner, I run

N. 89° 57' W. on a true line, between sections 25 & 36

Variation 41° 15' East.

40.08 Set a Basalt stone 12 x 8 x 4 ins., 8 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.

80.17 The corner to sections 25. 26. 35 & 36

Land mountainous

Soil 2nd & 3rd rate

Timber of pine.

Vegetation. grass.

Township

4 N.

Range

28 E.

BOOK 22

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation

14° 15'

East.

Ascend.

5.00

Top of Ridge, bears E. & W. and descend.

40.00

Set a Basalt stone 2 x 10 x 4 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.

from which

A Pine 20 ins, diam. bears N. 15° E. 30 lks. dist.

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

80.00

Set a Basalt stone 18 x 15 x 12 ins. 12 ins. in the ground for Cor. to Secs. 23, 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 Pine 10 ins, diam. bears S. 30° W. 40 lks. dist.

marked T 4 N. R. 28 E. S., 20 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine.

Vegetation. Grass

Township

21

BOOK

22

Range

28

Meridian.

Gila and Salt River

Chains

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

Variation

14° 15'

East.

Ascend.

30.00 Top of Hill bears N. e. S. and descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.64.00 Cross Creek $\frac{1}{4}$ lks. wide, Course N, and ascend.79.88 Intersect C. B. of Tp. 32 lks. N. of cor. to secs.
previously set by me.

9.24.25 & 30 from which corner, I run

11.89.46 W. on a true line, between sections 24 & 25

Variation

14° 15'

East.

39.94 Set a Basalt stone 18 x 8 x 4 ins., 2
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.

79.88 The corner to sections 23, 24, 25 & 26

Land mountainous

Soil 2nd & 3rd rate

Timber of Pine

Vegetation. grass.

Township BOOK 22 Range 28 E.
Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

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

Ascend.

35.00

Top of Mesa bears E. & W.

40.00

Set a Basalt- stone $12 \times 10 \times 8$ ins., 8
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.

45.00

Cross Black River, 1 ch. wide, bears W. ^{Ascend}

53.90

Top of Black River, Cañon.

80.00

Set a Basalt- stone $12 \times 10 \times 8$ ins. 8 ins. in
the ground for Cor. to Secs. 13, 14, 23 & 24, marked
with 3 notches on S. and 1 notch on E. edges and
raised a mound of stone alongside. **Pits impracticable.**

from which

A Pine 15 ins, diam. bears S. 20° W. 23 lks. dist.
marked T & N. R. 28 E. S., 23 B. T.

No other trees within limits.

Land mountainous

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

Timber of pine, some oak & fir.

Vegetation. grass,

Township 21 N. Range 28 E.
BOOK 22 Gila and Salt River Meridian.

Chains

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

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

Over broken surface.

5.00

Edge of Black River Cañon

10.00

Cross Black River, 70 lbs wide Course S. E. and ascend

18.00

Top of mesa bears N. W. & S. E.

40.00

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

45.00

Cross Creek 0 lbs. wide, Course S. W. and ascend.

79.73

Intersect C. B. of Tp. 7 lbs. S. of cor. to secs.
 previously set by me.

13, 18, 19 & 24 from which corner, I run

S. $89^{\circ} 07'$ W. on a true line, between sections 13 & 24Variation $14^{\circ} 15'$ East.

39.80

Set a Sand stone 15 x 2 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.

79.73

The corner to sections 13, 14, 23 & 24

Land rolling.

Soil 2nd & rate

Vegetation grass.

Township

4 N

Range

28 E

BOOK 22

Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

Variation

14° 15'

East.

Ascend.

2.00

Top of Mesa bears N. W. S. E.

9.00

Cross Black River, 75 lks. wide, Course S. E. and ascend

13.00

Edge of Black River Cañon.

40.00

Set a Basalt-stone 15 x 8 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 Pine 30 ins, diam. bears S. 40° E. 20 lks. dist.

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

No other trees within limits.

80.00

Set a Basalt-stone 18 x 15 x 10 ins. 2 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 Pine 10 ins, diam. bears N. 20° E. 10 lks. dist.

marked T. 4 N. R. 28 E. S., 12 B. T.

No other trees within limits.

Land rolling.

Soil 2^d & 3^d rate

Timber of pines, some fir & oak.

Vegetation. Grass.

Aug. 18. 1883

Chains

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

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

Over rolling land.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.72.00 Cross Creek $\frac{1}{2}$ lks. wide, Course S. and ascend.70.90⁺ Intersect $\frac{1}{2}$ B. of Tp. $\frac{1}{2}$ lks. S. of cor. to secs.
previously set by me.

7.12.13 & 18 from which corner, I run

S. $89^{\circ} 52'$ W. on a true line, between sections 12 & 13Variation $14^{\circ} 15'$ East.39.98 Set a Basalt-stone 18 x 10 x 4 ins., 12
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.

70.90 The corner to sections 11, 12, 13 & 14

Land rolling.

Soil 2nd & 3rd rate

Vegetation grass.

Township

21 N.

Range

28 E.

BOOK 22

Gila and Salt River Meridian.

Chains

North, between Sections 11 and 12.

Variation 14° 15' East.

Over rolling land.

5.00 Top of Mesa, bears N. E. & S. W. & descend.

24.00 Edge Black River, Canon, Course S. W.

28.00 Cross Black River in Canon, Course S. W.

40.00 Set a Basalt-stone 18 x 0 x 4 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/2 on face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Pine 94 ins, diam. bears S 45° W. 50 lks. dist. marked 1/2 S. B. T. No other trees within limits.

80.00 Set a Basalt-stone 20 x 15 x 4 ins. 15 ins. in the ground for Cor. to Secs. 1, 2, 11 & 12 marked with 5 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 20 ins, diam. bears S. 5° W. 40 lks. dist. marked T. H. N. R. 28 E. S., 11 B. T.

No other trees within limits.

Land rolling.

Soil 1st & 2nd rate

Timber of pine, locust, fir & oak.

Vegetation. grass.

Township 11 N Range 28 E

BOOK 22 Gila and Salt River Meridian.

Chains

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

Variation 14° 15' East.

Over rolling land.

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

60.00 Cross Black River, Course S. W.

80.31 Intersect C. B. of Tp. 35 $\frac{1}{4}$ lks. N. of cor. to secs. previously set by me.

1.6. 7. 12 from which corner, I run

N. 89° 45' W. on a true line, between sections 1 & 12

Variation 14° 15' East.

40.15 Set a Sand stone 12 x 8 x 4 ins.,

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.

80.31 The corner to sections 1, 2, 11 & 12

Land rolling.

Soil 7^{th} & 2^{nd} rate

Timber of pine, some oak & fir.

Vegetation. grass.

Township 24 N. Range 28 E.

BOOK 22 Gila and Salt River Meridian.

Chains true.
North, on a ~~range~~ line between Sections 1 and 2.

Variation 11° 15' East.

Over rolling land.

30.00 Enter Flat.

41.00 Set a Basalt stone 15 x 12 x 6 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.

50.40 Cross Brook. 4 lks. wide, Course S. W.

65.00 Leave Flat and ascend.

79.83 Intersect the 1st Standard Parallel North at a point 14.58 chs West of the Standard Cor. to S. B. of 1/4 Sec. on previously set by me. Sec. 35 and T. 5 N., R. 28 E. at which point 1

Set a Sand stone 21 x 11 x 9 ins. 15 ins. in the ground for Closing Cor. to Secs. 1 and 2 marked C. C. with 1 notch on E. and 5 notches on W. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 1st rate

Timber of pine, some oak & fir

Vegetation. grass.

Township

H. N.

Range

28 E

BOOK 22

Gila and Salt River Meridian.

Chains

From North, between Sections 34 and 35.

From the corner to sections, 2, 3, 34 & 35, previously set by me on S. E. by of T₂

Variation

14° 36'

East.

Descend.

40.00

Set a Basalt-stone 10 x 10 x 6 ins., 6 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.

80.00

Set a Basalt-stone 20 x 12 x 10 ins. 15 ins. in the ground for Cor. to Secs. 20, 27, 34 & 35 marked with 1 notch on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 15 ins, diam. bears N 20° W. 40 fks. dist. marked T 4 N. R. 28 E. S., 27 B. T.

A Pine 20 ins, diam. bears S. 10° E. 10 fks. dist. marked T 4 N. R. 28 E. S., 35 B. T.

No other trees within limits.

Land mountainous.

Soil 3rd rate

Timber of pine, some oak & fir.

Vegetation. grass.

Township 21 N Range 28 E

BOOK 22 Gila and Salt River Meridian.

Chains

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

Variation 14° 15' East.

Ascend.

30.00 Top of Ridge, bears N. & S. and descend.

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

60.00 Descend.

04.00 Cross Creek \emptyset lks. wide, Course N. and ascend.

80.24 Intersect N. & S. line, \emptyset lks. N. of cor. to secs.

26.20.35 & 30 from which corner, I run

N. 89° 57' W. on a true line between sections 26 & 35

Variation 14° 15' East

40.12 Set a Basalt- stone 18 x 12 x 11 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.

from which

A Pine 24 ins, diam. bears N. 10° E. 30 lks. dist.

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

No other trees within limits.

80.24 The corner to sections 20. 27. 34 & 35

Land mountainous.

Soil 2nd & 3rd rate

Timber of Yew, some oak & fir.

Vegetation. grass.

Township 4 N Range 28 E

BOOK 22 Gila and Salt River Meridian.

Chains North, between Sections 26 and 27.

Variation 11° 15' East.

Descend.

27.00

Cross Ravine, Course N. W. and ascend

40.00

Set a Basalt-stone 20 x 10 x 10 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**

impracticable.

from which

A Pine 30 ins, diam. bears S. 30° W. 45 lks. dist.

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

60.00

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

80.00

Set a Basalt-stone 20 x 18 x 4 ins. 15 ins. in the ground for Cor. to Secs. 22. 23. 20 & 27 marked

with 2 notches on S. and 2 notches on E. edges and raised a mound of stone alongside. **Pits impracticable.**

from which

A Pine 24 ins, diam. bears N. 10° W. 15 lks. dist.

marked T. 4 N. R. 28 E. S., 22 B. T.

A Pine 30 ins, diam. bears S. 45° E. 60 lks. dist.

marked T. 4 N. R. 28 E. S., 20 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, some oak & fir.

Vegetation. grass.

Aug. 20. 1883

Township 21 N Range 28 E

BOOK 22 Gila and Salt River Meridian.

Chains East, on a random line between Sections 23 and 26.
Variation 14° 15' East.

Ascend.

10.00 Top of Spur, bears N. & S. and descend.

30.00 Cross Creek 0 lks. wide, Course N. 15° W and ascend.

40.00 Set temporary 1/4 Sec. Cor.

80.07 Intersect N. & S. line, 18 lks. S. of cor. to secs.

23, 24, 25 & 26 from which corner, I run

S. 89° 52' W. on a true line between sections 23 & 26

Variation 14° 15' East

40.03 Set a Sand stone 20 x 18 x 4 ins., 16 ins. in the ground, for 1/4 Sec. Cor., marked 1/2 on N. face, and raised a mound of stone alongside. Pits impracticable.

80.07 The corner to sections 22, 23, 26 & 27

Land mountainous

Soil 1st & 2nd rate

Timber of pine, some oak & fir

Vegetation. grass.

Chains

North, between Sections 22 and 23.

Variation

11° 15'

East.

Over rolling land.

18.00

Edge of Black River Canon.

25.00

Cross Black River Course W. and ascend

40.00

Set a Basalt-stone 18 x 6 x 4 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.**from which*

A Pine 20 ins, diam. bears N. 15° W. 30-40 yds. dist.

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

50.00

Top of Ridge, bears N. & N. E. and descend.

80.00

Set a Basalt-stone 18 x 10 x 12 ins. 12 ins. in the ground for Cor. to Secs. 14, 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 12 ins, diam. bears N. 15° W. 40 yds. dist.

marked T. 4 N. R. 28 E. S. 15 B. T.

No other trees within limits
land rolling.

Soil 3rd red.

Timber of pine, some hemlock oak.
 Vegetation grass.

Chains East, on a random line between Sections 14 and 23.
Variation 14° 15' East.

Ascend.

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

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

79.81 Intersect N. & S. line, 41 lks. S. of cor. to secs.

13. 14, 23, 24 from which corner, I run

S. $89^{\circ} 42' W.$ on a true line between sections 14 & 23

Variation 14° 15' East

39.90 Set a Basalt-stone 12 x 10 x 14 ins., 8
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.

79.81 The corner to sections 14, 15, 22 & 23

Land mountainous

Soil 2nd & 3rd rate

Timber of fine, some oak & fir.

Vegetation. grass.

Township

11 N

Range

28 E

BOOK 22

Gila and Salt River

Meridian.

Chains

North, between Sections 14 and 15.

Variation $14^{\circ} 15'$ East.*Over rolling land.*

40.00

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.

80.00

A Pine 10 ins. diam. which I marked
T.H.N. S. 11', on N. E. R. 28 E, S. 14 on
S. E. S. 15', on S. W. and S. 10 on N. W. faces,
with 1 notch on S. and 2 notches 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.
10. 11. 14 & 15

from which

A Pine 8 ins. diam. bears N. 45° W. 5 lks. dist.
marked T.H.N. R. 28 E. S., 10 B. T.

A Pine 10 ins. diam. bears N. 40° W. 3 lks. dist.
marked T.H.N. R. 28 E. S., 14 B. T.

No other trees within limits.

Land rolling.

Soil 2nd & 3rd rate

Timber of pine, some oak & fir.

Vegetation. grass.

Township BOOK 22 N Range 28 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 15'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

47.00 Top of Ridge, bears N. & S. and descend.

72.00 Cross Black River, 1 ch. wide, Cause S.

77.00 Top of Black River Canon.

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

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

S. $89^{\circ} 56'$ W. on a true line between sections 11 & 14Variation $14^{\circ} 15'$ East39.83 Set a Basalt-stone $12 \times 10 \times 8$ ins., 8ins. 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.

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

Land mountainous

Soil 2nd rate

Timber of pine, some oak & fir.

Vegetation. grass.

Township

21 N

Range

28 E

BOOK 22

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation

14° 15'

East.

Over rolling land.

38.00

Descend.

40.00

Set a Basalt-stone 12 x 8 x 4 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. from which

A Pine 10 ins, diam. bears N. 5° E. 35 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

42.00

Enter Flat.

60.00

Cross Brook. 4 lks. wide, Course S. E.

65.00

Ascend.

80.00

Set a Basalt-stone 18 x 12 x 4 ins. 12 ins. in the ground for Cor. to Secs. 2, 3, 10 & 11 marked with 5 notches on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 20 ins, diam. bears N. 30° W. 28 lks. dist. marked T. 4 N. B. 28 E. S., 3 B. T.

A Pine 15 ins, diam. bears N. 5° E. 17 lks. dist. marked T. 4 N. B. 28 E. S., 2 B. T.

No other trees within limits.

Land rolling.

Soil yet ^{good} rateTimber of ^{some} some oak & fir.Vegetation. ^{grasses}

Township

4 N.

Range

28 E.

BOOK 22

Gila and Salt River

Meridian.

Chains

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

Variation $14^{\circ} 15'$ East.*Over mountainous land*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

65.00 Cross Brook. 4 lks. wide, Course S. W.

79.95 Intersect N. & S. line, 03 lks. S. of cor. to secs.

1, 2, 11 & 12, from which corner, I run

S. $89^{\circ} 33'$ W. on a true line between sections 2 & 11Variation $14^{\circ} 15'$ East39.97 Set a Sand stone $18 \times 12 \times 6$ ins., 12ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.

line, and raised a mound of stone alongside. Pits

impracticable.

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

*Land mountainous.*Soil 2^m & 3^m rate

Vegetation Grass.

Township H N Range 28 E

BOOK 22 Gila and Salt River Meridian.

Chains true.
North, on a ~~range~~ line between Sections 2 and 3.
Variation 11° 15' East.

Ascend.

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

40.00 Set a Basalt- stone 18 x 12 x 10 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.

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

80.17 Intersect the 1st Standard Parallel North at a
point 11.64 chs. West of the Standard Cor. to S. E. of
Secs. 34 and T. 5 N. R. 28 E. ^{1/4 Sec. on S. E.} at which
point I ^{previously set by me}

Set a Sand stone 20 x 12 x 10 ins. 15 ins. in
the ground for Closing Cor. to Secs. 2 and 3
marked C. C. with 2 notches on E. and 1 notch on
W. edges and raised a mound of stone alongside.

Pits impracticable. from which
A Pine 18 ins, diam. bears S. 15° E. 25 fks. dist.
marked T. 4 N. R. 28 E. S. 2 B. T.

A Pine 24 ins, diam. bears S. 40° W. 56 fks. dist.
marked T. 4 N. R. 28 E. S. 3 B. T.

No other trees within limits.

Land mountainous

Soil 2nd rate

Timber of pine, some oak & fir

Vegetation grass. Aug. 21. 1883

Township 41 N Range 28 E

BOOK 22

Gila and Salt River Meridian.

Chains From North, between Sections 33 and 34. *From the corner to sections, 34, 33 & 34 previously set by me. on S. 1/2 of 1/2*

Variation 15° 00' East.

Ascend.

40.00

Set a Melopai stone 12 x 10 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. Pits impracticable.

60.00

Top of Ridge, bears W. and descend.

80.00

Set a Basalt stone 20 x 10 x 4 ins. 15 ins. in the ground for Cor. to Secs. 27, 28, 33 & 34 marked with 1 notch on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 12 ins. diam. bears N. 40° W. 65 lks. dist. marked T. N. R. 28 E. S., 25 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, some oak & fir.

Vegetation. grass.

Township

4 N.
BOOK 22

Range

28 E.

Gila and Salt River

Meridian.

Chains

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

Variation

11° 15'

East.

Descend.

30.00 Cross Ravine, Course N. W. and ascend

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

79.79 Intersect N. & S. line, 51 lks. S. of cor. to secs.

26, 27, 34, & 35 from which corner, I run

S. 89° 38' W. on a true line between sections 27 & 34

Variation

14° 15'

East

39.89 Set a Basalt stone 10 x 10 x 6 ins., 6 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

A Pine 12 ins. diam. bears N. 5° W. 25 lks. dist.

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

No other trees within limits.

79.79 The corner to sections 27, 28, 33 & 34

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, some oak & fir.

Vegetation. grass.

Township 4 N Range 28 E**BOOK 22**

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation 14° 15' East.*Over mountainous land*25.00 Cross Ravine, Course N. W. and ascend40.00 Set a Malapai stone 10 x 8 x 6 ins., 6 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 Pir 12 ins. diam. bears S. 15° E 30 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.80.00 Set a Malapai stone 20 x 12 x 2 ins. 15 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 impracticable.from which
A Pine 18 ins. diam. bears N. 15° W. 20 lks. dist. marked T. 4 N. R. 28 E. S., 21 B. T.

No other trees within limits.

*Land mountainous*Soil 2nd & 3rd rateTimber of pine, some oak & fir.Vegetation. grass.

Township

4 N

Range

28 E

BOOK 22

Gila and Salt River Meridian.

Chains

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

Variation 14° 15' East.

Descend.

19.00 Cross Ravine, Course N. W. and ascend

40.00 Set temporary 1/4 Sec. Cor.

70.00 Top of Hill bears N. W. & S. E. and descend.

79.45 Intersect N. & S. line. 20 lks. S. of cor. to secs.

22. 23. 20 & 27 from which corner, I run

S. 89° 49' W. on a true line between sections 22 & 27

Variation 14° 15' East

39.72 Set a Basal-stone 12 x 8 x 6 ins., 8 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 Pine 18 ins, diam. bears N. S. 20 lks. dist. marked 1/4 S. B. T. No other trees within limits.

79.45 The corner to sections 21. 22. 27 & 28.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine. some oak & fir. Vegetation. grass.

Township 4 N Range 28 E

BOOK 22 Gila and Salt River Meridian.

Chains

North, between Sections 21 and 22.

Variation 14° 15' East.

Over rolling land.

11.00 Edge of Black River Canon.
11.00 Cross Black River Course S.W. *Ascend*
25.00 Top of Canon.

40.00 Set a Basalt-stone 18 x 12 x 2 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. **Pits impracticable.**

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

80.00 Set a Basalt-stone 18 x 10 x 12 ins. 12 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. **Pits impracticable.**

Land rolling.

Soil 2nd & 3rd rate

Timber of pine & some oak.

Vegetation. grass.

Township 4 N Range 28 E

BOOK 22 Gila and Salt River Meridian.

Chains East, on a random line between Sections 15 and 22.
Variation 14° 15' East.

Over level land

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

79.53 Intersect N. & S. line, 14 lks. N. of cor. to secs.
14, 15, 22 & 23 from which corner, I run

N. 89° 54' W. on a true line between sections 15 & 22
Variation 14° 15' East

39.70 Set a Basalt-stone 15 x 10 x 0 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.

79.53 The corner to sections 15, 16, 21 & 22

level.

Soil 2nd **rate**

Timber of pine, some oak & fir.

Vegetation. grass.

Township

H N
BOOK 22

Range

28 E

Gila and Salt River

Meridian.

Chains

North, between Sections 15 and 16.

Variation

11° 15'

East.

Descend. gradually.

18.00

Cross Ravine, Course S. W.

35.00

Cross Creek 7 lks. wide, Course S. W.

40.00

Set a Basalt-stone 10 x 11 x 10 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. Pits impracticable.

80.00

Set a Basalt-stone 7 x 7 x 7 ins. 8 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 12 ins, diam. bears N. 20° E. 38 lks. dist. marked T. H. N. R. 28 E. S., 10 B. T.

A Pine 13 ins, diam. bears S. 15° E. 30 lks. dist. marked T. H. N. R. 28 E. S., 15 B. T.

No other trees within limits.

Land rolling.

Soil 2nd rate

Timber of pine, some oak & fir.

Vegetation grass.

Township 4 N Range 28 E
BOOK 22 Gila and Salt River Meridian.

Chains East, on a random line between Sections 10 and 15.
Variation 14° 15' East.

Ascend. gradually.

20.00 Top of Hill bears N. S. and descend.

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

45.00 Cross Brook. 4 lks. wide, Course S. W.

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

10. 11. 14. 15 from which corner, I run

N. 89° 51' W. on a true line between sections 10 & 15

Variation 14° 15' East

39.95 Set a Basal- stone 18 x 15 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.**

79.90 The corner to sections 9. 10. 15 & 16

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, some oak & fir.

Vegetation. grass.

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

Aug. 22. 1883

Township

11 N.

Range

28 E.

BOOK 22

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation $11^{\circ} 15'$ East.

Ascend. gradually.

20.00 Top of Hill bears $E. \text{ } \& \text{ } W.$ and descend.40.00 A Pine 14 ins, diam. which I marked $\frac{1}{2}$ S. on $W.$ face, for $\frac{1}{4}$ Sec. Cor.; from whichA Pine 14 ins, diam. bears $S. 20^{\circ} E.$ 17 lks. dist.
marked $\frac{1}{2}$ S. B. T.A Pine 8 ins, diam. bears $N. 30^{\circ} W.$ 3 lks. dist.
marked $\frac{1}{2}$ S. B. T.80.00 Set a Basalt stone $15 \times 10 \times 9$ ins. 10 ins. in
the ground for Cor. to Secs. 3, 4, 9 & 10 marked
with 5 notches on S. and 3 notches on E. edges and
raised a mound of stone alongside. Pits impracticable.

from which

A Pine 36 ins, diam. bears $S. 10^{\circ} E.$ 38 lks. dist.
marked T. 4 N. E. 28 E. S., 10 B. T.A Pine 30 ins, diam. bears $N. 10^{\circ} E.$ 42 lks. dist.
marked T. 4 N. E. 28 E. S., 3 B. T.

No other trees within limits.

Land rolling.

Soil 2nd rate

Timber of yew, some oak & fir.

Vegetation. grass.

Township H N Range 28 8

BOOK 22 Gila and Salt River Meridian.

Chains East, on a random line between Sections 3 and 10. Variation 11° 15' East.

1.50 Enter Flat bears N. & S.

7.00 Enter Timber, bears N. & S.

20.00 A Balin 2 chs. S. of line.

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

49.30 Cross Creek 2 lks. wide, Course S 70° E and ascend.

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

23.10 & 11 from which corner, I run

S 89° 57' W. on a true line between sections 3 & 10

Variation 11° 15' East

39.80 Set a Sand stone 11 x 11 x 9 ins., 5 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.

79.72 The corner to sections 3, 4, 9 & 10

Land level.

Soil 2nd rate

Timber of pine, some oak & fir.

Vegetation. grass.

Township

BOOK 22

Range

28 E

Gila and Salt River Meridian.

Chains

*true.*North, on a ~~range~~ line between Sections 3 and 4.Variation $14^{\circ} 15'$ East.*Descend.*

- 5.00 Enter Flat bears N. W. & S. E. & bare timber.
- 21.00 Cross Black River, 18 lbs. wide, Course $87^{\circ} 8'$.
- 28.00 Leave Flat bears E. & W. and ascend.
- 40.00 Set a Sand stone $10 \times 9 \times 8$ 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.

- 80.51 Intersect the 7^{th} Standard Parallel Mouth at a point 1440 chs West of the Standard Cor. to S. R. of ^{the Sec. on} previously set by me. Secs. 33 and T. 5 N. R. 28 E. at which point I

Set a Sand stone $21 \times 11 \times 7$ ins. 16 ins. in the ground for Closing Cor. to Secs. 3 and 4 marked C. C. with 3 notches on E. and 3 notches on W. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 1st & 2nd rateTimber of *Yucca* some oak & fir.

Vegetation. grass.

Township

4 N.

BOOK 22

Range

28

E

BOOK

Gila and Salt River

Meridian.

From the corner to sections, 32 & 33 previously set by me.

Chains ~~from~~ North, between Sections 32 and 33. *on S. E. of Pt.*Variation $114^{\circ} 36'$ East.

Descend.

40.00 Set a Malapai stone $18 \times 12 \times 2$ 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.

47.00 Cross Ravine, Course N. W. and ascend

70.00 Top of Ridge, bears E. & W. and descend.

80.00 Set a Malapai stone $30 \times 18 \times 10$ ins., 22 ins. in the ground for Cor. to Secs. 28, 29, 32 & 33 marked with $\}$ notch on S. and $\}$ notch on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 24 ins, diam. bears N. 40° W. 50 lks. dist. marked T. 4 N. R. 28 E. S., 29 B. T.

A Fir 18 ins. diam. bears S. 25° E. 25 lks. dist. marked T. 4 N. R. 28 E. S., 33 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine, some oak & fir.

Vegetation. grass.

35 Township 4 N. Range 28 E.
BOOK 22 Gila and Salt River Meridian.

Chains East, on a random line between Sections 28 and 33.
Variation $14^{\circ} 15'$ East.

Over mountainous land

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

41.00 Cross Ravine, Course N. 10° W. and ascend

7995 Intersect N. & S. line, 33 lks. N. of cor. to secs.

27.28.33 & 34 from which corner, I run

N. $89^{\circ} 46'$ W. on a true line between sections 28 & 33

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

3997 Set a Malapai stone $12 \times 10 \times 4$ 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.

7996 The corner to sections 28. 29. 32 & 33

Land mountainous

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

Timber of pine, some oak & fir.

Vegetation. grass.

Chains North, between Sections 28 and 29.

Variation 17° 15' East.

Ascend.

40.00

Set a Basalt-stone 18 x 8 x 4 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.

60.00

South edge of Black River Canyon base W.

70.00

Cross Black River Course W. & ascend.

80.00

Set a Malapai stone 18 x 12 x 10 ins. 12 ins. in the ground for Cor. to Secs. 20. 21. 28 & 29 marked with 2 notches on S. and 4 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous

Soil 2nd rate

Timber of pine, some oak, & cedar.

Vegetation. grass.

Township

4 N.

Range

28 E.

BOOK 22

Gila and Salt River Meridian.

Chains

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

Variation 14° 15' East.

Descend.

40.00 Set temporary 1/4 Sec. Cor.

41.75 Cross Black River Causeway and ascend

55.00 Top of Canton.

79.70 Intersect N. & S. line, 5 lks. S. of cor. to secs.

21, 22, 27, 28 from which corner, I run

S. 89° 58' W. on a true line between sections 21 & 28

Variation 14° 15' East

39.80 Set a Basalt stone 18 x 12 x 0 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone alongside. Pits impracticable.

79.70 The corner to sections 20, 21, 28 & 29

Land mountainous

Soil 2nd rate

Timber of pine, fir & some oak

Vegetation. grass.

Township

21 N

Range

28 E

38

BOOK

22

Gila and Salt River

Meridian.

Chains

North, between Sections 20 and 21.

Variation

141° 15'

East.

Over rolling land.

2.00

Top of Black River Canon.

40.00

Set a Basalt stone 20 x 12 x 6 ins., 13 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 Pine 20 ins. diam. bears N. 15° E. 40 lks. dist.

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

80.00

Set a Basalt stone 15 x 10 x 6 ins. 10 ins. in the ground for Cor. to Secs. 16, 17, 20 & 21 marked with 3 notches on S. and 4 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 24 ins. diam. bears N. 65° E. 2 lks. dist.

marked T. 4 N. R. 28 E. S., 16 B. T.

*No other trees within limits.**Land mountainous.*Soil 2nd rate

Timber of pine & some oak.

Vegetation. grass.

Township

4 N.

Range

28 E.

BOOK 22

Gila and Salt River

Meridian.

Chains

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

Variation

14° 15'

East.

Over rolling land.

40.00

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

51.07

Cross mark 12 lbs iron wire S.W. $\frac{1}{2}$ Sec.

80.04

Intersect N. & S. line, 27 lks. S. of cor. to secs.

15.16. 21 & 22 from which corner, I run

S. 89° 48' W. on a true line between sections 10 & 21

Variation

14° 15'

East

40.02

Set a Basalt- stone 15 x 12 x 10 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.

80.04

The corner to sections 16, 17, 20 & 21

*Land rolling.*Soil 2nd & 3rd rateTimber of *fine hemlock & some oak.*Vegetation. *grass.*

Aug. 23. 1883

Township, *H N*Range, *28 E*

40.

BOOK 22

Gila and Salt River

Meridian.

Chains

North, between Sections 16 and 17.

Variation

14° 15' East.*Over rolling land.**40.00*

Set a Basalt-stone *18 x 12 x 10 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 Pine *18 ins.*, diam. bears *N. 15° W.* *30* lks. dist.
 marked $\frac{1}{4}$ S; B. T. No other trees within limits.

80.00

Set a Malapai stone *20 x 10 x 4 ins.* *15* ins. in
 the ground for Cor. to Secs. *8. 9. 10 & 17* marked
 with *4* notches on S. and *4* notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

from which

A Pine *20 ins.*, diam. bears *N. 40° W.* *60* lks. dist.
 marked T. 4 N. R. 28 E. S., 8 B. T.

A Pine *18 ins.*, diam. bears *S. 15° W.* *30* lks. dist.
 marked; T. 4 N. R. 28 E. S., 17 B. T.

A Pine *30 ins.*, diam. bears *S. 5° E.* *20* lks. dist.
 marked T. 4 N. R. 28 E. S., 10 B. T.

*No other trees within limits.**Land rolling.*Soil *2nd & 3rd* rateTimber of *pine, hemlock, & some oak.*Vegetation. *grass.*

41
Township

BOOK 22

Range

28 E

Gila and Salt River Meridian.

Chains

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

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

Over rolling land.

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

80.47 Intersect N. & S. line, 15 lks. N. of cor. to secs.

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

N. $89^{\circ} 54' W.$ on a true line between sections 9 & 10.Variation $14^{\circ} 15'$ East

40.23 Set a Malapai stone 20 x 12 x 4 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.

80.47 The corner to sections 8, 9, 16 & 17

Land rolling.

Soil 2nd & 3rd rate

Timber of pine, hemlock & some oak.

Vegetation. Grass.

Township H N Range 28 E
BOOK 22 Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation 14° 15' East.

Over rolling land.

28.00

Cross Ravine, Course S. W.

40.00

Set a Malapoi stone 18 x 16 x 12 ins., 12
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.

from which

A Pine 24 ins, diam. bears N. 30° E. 40 lks. dist.

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

80.00

A Pine 18 ins, diam. *which I marked*

T. 4 N. S. 4, on N. E. R. 28 E. S. 9 on

S. E. S. 8, on S. W. and S. 5 on N. W. faces,

with 5 notches on S. and 4 notch 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 around tree, for cor. to secs.

H. 5. 8 & 9

from which

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

marked T. 4 N. R. 28 E. S., 5 B. T.

A Pine 20 ins, diam. bears S. 60° E. 20 lks. dist.

marked T. 4 N. R. 28 E. S., 9 B. T.

No other trees within limits.

Land rolling.

Soil 2nd & 3rd rate

Timber of pine, fir & some oak.

Vegetation. grass.

Township

21 N

Range

28 E

BOOK 22

Gila and Salt River

Meridian.

Chains

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

Variation

14° 15'

East.

*Over rolling land.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

60.00 Enter Flat bears S. E.

80.10 Intersect N. & S. line, 40 lks. N. of cor. to secs.

24.9 & 10 from which corner, I run

N. 89° 40' W. on a true line between sections 4 & 9

Variation

14° 15'

East

40.08 Set a Malapian stone 12 x 10 x 14 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.

80.10 The corner to sections 4, 5, 8 & 9
Land rolling.

Soil 2nd & 3rd rate

Timber of pine, fir & some oak.

Vegetation. grass.

Township 21 N. Range 28 E.

BOOK 22 Gila and Salt River Meridian.

Chains

true.
North, on a ~~range~~ line between Sections 4 and 5.
Variation 121° 15' East.

Over rolling land.

40.00

Set a Malapai stone 18 x 10 x 0 ins., 12
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.
face, and raised a mound of stone alongside. Pits
impracticable.

80.29

Intersect the 1/4th Standard Parallel North at a
point 14.00 chs. West of the Standard Cor. to 1/4th Sec. on S. E. of
Secs. 32 and T. 5 N. R. 28 E. at which previously set by me.
point I

Set a Malapai stone 18 x 10 x 0 ins. 12 ins. in
the ground for Closing Cor. to Secs. 4 and 5
marked C. C. with 1 notch on E. and 2 notch on
W. edges and raised a mound of stone. alongside.
Pits impracticable.

Land rolling.

Soil 2nd & 3rd rate

Timber of pine, fir & hemlock.

Vegetation. grass.

Township

4 N

Range

28 E

BOOK 22

Gila and Salt River Meridian.

~~From the corner to sections 5, 6, 31 & 32 previously set by me.~~Chains ~~run~~ North, between Sections 31 and 32.

on S by of 22

Variation

11° 35'

East.

Over mountainous land

40.00 Set a Malapai stone 20 x 12 x 4 ins., 15 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 impracticable.

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

80.00 Set a Malapai stone 20 x 12 x 4 ins. 15 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.

Land mountainous

Soil 2nd & 3rd rate

Timber of pine fir & some oak

Vegetation. grass.

Township 4 N. Range 28 E.**BOOK 22** Gila and Salt River Meridian.

Chains

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

Variation 14° 15' East.

Over broken land.

38.00 Cross Gulch, 1/4 lks. wide, Course N. W. and ascend.40.00 Set temporary $\frac{1}{4}$ sec. cor.80.13 Intersect N. & S. line, 1/7 lks. S. of cor. to secs.8.29.32.33 from which corner, I run8.89° 03' W. on a true line between sections 29, 32Variation 14° 15' East.4000Set a Basalt-stone 18 x 6 x 14 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. from whichA Pine 15 ins. diam. bears N. 20° W. 30 lks. dist.
marked $\frac{1}{4}$ S. B. T.

No other tree within limits.

80.13The corner to sections 29, 30, 31, 32

Land mountainous

Soil 2nd & 3rd rate.Timber of pine & fir.Vegetation grass.

Township 4 N. Range 28 E.

BOOK 22 Gila and Salt River Meridian.

Chains

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

Variation 11° 15' East.

Over broken land.

39.00 Cross Gulch, 20 lks. wide, Course N. and ascend.

40.00 Set temporary 1/4 sec. cor.

78.70 Intersect W. B. of Tp. 114 lks. S. of cor. to secs. previously set by me.

25.30.31.30 from which corner, I run

S. 89° 41' E. on a true line, between sections 30 & 31

Variation 14° 15' East.

38.70 Set a Malapai stone 10 x 10 x 0 ins., 0 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. alongside. Pits impracticable.

78.70 The corner to sections 29. 30. 31 & 32

Land mountainous

Soil 2nd & 3rd rate.

Timber of pine, fir & oak.

Vegetation grass.

Aug. 24. 1883

Township

4 ~~5~~
BOOK 22

Range

28 E

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation

11° 15'

East.

Ascend.

40.00

Set a Basalt-stone 10 x 6 x 6 ins., 6 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 impracticable.

from which

A Pine 20 ins. diam. bears N. 20° W. 65 lks. dist. marked $\frac{1}{2}$ S. B. T. No other tree within limits.

52.00

Black River Canon.

56.00

Cross Black River Course S. W. Ascend

62.00

Top of Black River Canon.

80.00

Set a Basalt-stone 20 x 12 x 15 ins. 15 ins. in the ground for Cor. to Secs. 19, 20, 29, 30 marked with 2 notches on S. and 5 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 30 ins. diam. bears S. 60° E. 75 lks. dist. marked T. & N. R. 28 E., S., 29 B. T.

A Pine 24 ins. diam. bears N. 25° W. 50 lks. dist. marked T. & N. R. 28 E., S., 19 B. T.

No other tree within limits.

Land mountainous

Soil 2nd & 3rd rate.

Timber of pine & fir.

Vegetation grass.

Township

11 N.

Range

25 E.

BOOK 22

Gila and Salt River Meridian.

Chains

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

Variation

11° 15'

East.

Descend.

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

54.00 Cross Creek, 8 lks. wide, Course S. and ascend.

75.00 Edge of Canon bears W.

80.20 Intersect N. & S. line, 23 lks. N. of cor. to secs.

20.21.28 & 29 from which corner, I run

N. 89° 50' W. on a true line between sections 20 & 29

Variation 11° 15' East.

40.13 : Set a Malapai stone 18x10x 14 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.

80.20 The corner to sections 19. 20. 29. 30

Land mountainous

Soil 2nd & 3rd rate.

Timber of pine & hemlock.

Vegetation grass.

Township

4 N
BOOK 22

Range

25 E

50

Gila and Salt River Meridian.

Chains

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

Variation

14° 15'

East.

Over rolling land.

40.00

Set temporary $\frac{1}{2}$ sec. cor.

78.28

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

19, 24, 25, 30 from which corner, I run

S. 89° 53' E. on a true line, between sections

19, 30

Variation 14° 15' East.

38.28

Set a Malapai stone 10 x 10 x 6 ins., 6
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.

78.28

The corner to sections 19, 20, 29, 30

Land rolling.

Soil 2nd & 3rd rate.

Timber of pine & fir.

Vegetation grass.

Township

4 N
BOOK 22

Range

28 E

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

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

Over rolling land.

110.00

Set a Malapai stone $11 \times 8 \times 6$ ins., 18 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 Pine 12 ins. diam. bears $N. 5^{\circ} W.$ 40 lks. dist. marked $\frac{1}{4}$ S. B. T. No other tree within limits.

65.00

Cross Creek, 7 lks. wide, Course S. E.

80.00

Set a Malapai stone $20 \times 12 \times 11$ ins. 15 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.

from which

A Pine 12 ins. diam. bears $S. 5^{\circ} E.$ 60 lks. dist. marked T. 4 N. R. 28 E. S., 20 B. T. No other tree within limits.

Land rolling.

Soil 2^{nd} & 3^{rd} rate.Timber of *Yew*, *fir* & *aspen*.Vegetation *grass*.

Township

11 N
BOOK 22

Range

28 E

Gila and Salt River

Meridian.

Chains

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

Variation

11° 15'

East.

Over rolling land.

40.00

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

79.89

Intersect N. & S. line, 11 lks. S of cor. to secs.

16, 17, 20 & 21 from which corner, I run

S. 89° 55' W. on a true line between sections 17 & 20

Variation 11° 15' East.

39.94

Set a Malapai stone 12 x 10 x 1 ins., 8 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 12 ins. diam. bears S. 45° E. 10 lks. dist. marked $\frac{1}{4}$ S. E. T.

No other tree within limits.

79.89

The corner to sections 17, 18, 19 & 20

Land rolling.

Soil 2nd & 3rd rate.

Timber of

Vegetation

pine & fir
grass.

Township

BOOK 22

Range

28 E

Gila and Salt River Meridian.

Chains

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

Variation

11° 15'

East.

Over rolling land.

18.00

Cross Creek, 0 lks. wide, Course S. E.

40.00

Set temporary $\frac{1}{2}$ sec. cor.

78.71

Intersect W. B. of Tp. 20 lks. S. of cor. to secs.
previously set by me.

18. 19 & 24 from which corner, I run

189° 49' E. on a true line, between sections 18 & 19

Variation 12° 15' East.

38.11

Set a Malapoi stone 20 x 8 x 10 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.

78.11

The corner to sections 17, 18, 19 & 20

Land rolling.

Soil good 3rd rate.

Timber of pine fir & oak.

Vegetation grass.

Chains

North, between Sections 17 and 18.

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

Over rolling land.

40.00

Set a Malabai stone $12 \times 10 \times 8$ 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.

from which

A Pine 12 ins. diam. bears $N. 5^{\circ} W.$ 30 kls. dist. marked $\frac{1}{2}$ S. B. T. No other tree within limits.

64.00

Cross Creek, 7 kls. wide, Course $N. 60^{\circ} W.$

80.00

Set a Malabai stone $10 \times 10 \times 8$ ins. in the ground for Cor. to Secs. 7, 8, 17 & 18 marked with 4 notches on S. and 5 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 24 ins. diam. bears $S. 45^{\circ} W.$ 27 kls. dist. marked T. 4 N. R. 28 E. S. 18 B. T.

No other tree within limits.

Land rolling.

Soil 2nd rate.

Timber of fern, fir & some oak
Vegetation grass.

Township

4 N.

Range

28 E.

BOOK 22

Gila and Salt River Meridian.

Chains

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

Variation $41^{\circ} 15'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ sec. cor.

45.00 Cross Brook, 4 lks. wide, Course S. W.

79.72 Intersect N. & S. line, 30 lks. S. of cor. to secs.

from which corner, I run

8.9.10 & 17
S. $89^{\circ} 47'$ W. on a true line between sections 8 & 17Variation $41^{\circ} 15'$ East.39.80 Set a Malakai stone $8 \times 6 \times 4$ 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.

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

*Land rolling.*Soil 2^{nd} rate.

Timber of pine & fir.

Vegetation grass.

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

Aug. 25. 1883.

Township

4 N

Range

28 E

56

BOOK 22

Gila and Salt River

Meridian.

Chains

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

Variation

41° 15'

East.

Over rolling land.

40.00

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

48.00

Cross Creek, 8 lks. wide, Course S. W.

77.68

Intersect W. B. of Tp. 4 lks. N. of cor. to secs.
previously set by me

7, 12, 13 & 18 from which corner, I run

N 89° 58' 0" on a true line, between sections

7 & 18

Variation 41° 15' East.

58.68

Set a Basalt-stone 18 x 10 x 4 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.

77.68

The corner to sections 7, 8, 17 & 18

Land rolling.

Soil 2nd & 3rd rate.

Timber of pine, fir & oak.

Vegetation grass.

Township

21 N.

Range

28 E.

BOOK 22

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation $141^{\circ} 15'$ East.

Over rolling land.

40.00

A Pine 24 ins. diam. which I marked $\frac{1}{4}$ S. on W. face, for $\frac{1}{4}$ sec. cor., dug pits, 18 x 18 x 12 ins. N. and S. of tree, $5\frac{1}{2}$ ft. dist. and raised a mound of earth around tree. from which

A Pine 15 ins. diam. bears N. 5° W. 12 lks. dist. marked $\frac{1}{4}$ S. B. T. No other tree within limits.

79.00

Cross Brook, 21 lks. wide, Course S. W.

80.00

Set a Malapai stone 18 x 10 x 4 ins. 12 ins. in the ground for Cor. to Secs. 5, 6, 7 & 8 marked with 5 notches on S. and 5 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

from which

A Pine 12 ins. diam. bears N. 5° E. 60 lks. dist. marked T. 4 N. R. 28 E., S., $\frac{1}{4}$ B. T.

No other tree within limits.

Land rolling.

Soil 2nd rate.

Timber of

Vegetation

pine, fir & hemlock.
grass.

Township

4

BOOK

Range

28

58

22

Gila and Salt River

Meridian.

Chains

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

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

Over rolling land.

200 Cross Brook. 21 lks. wide, Course S. W.

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

80.021 Intersect N. & S. line, 3 lks. S. of cor. to secs.

27.5. 8 & 9 from which corner, I run

 $89^{\circ} 59'$ W. on a true line between sections 5 & 8Variation $14^{\circ} 15'$ East40.02 A Pine 8 ins, diam. which I marked $\frac{1}{2}$ S. on N.face, for $\frac{1}{2}$ Sec. Cor.; from which2 Pine 10 ins, diam. bears $N. 40^{\circ} E.$ 25 lks. dist.marked $\frac{1}{2}$ S. B. T. No other trees within limits

80.024 The corner to sections 5, 6, 7 & 8.

Land rolling.

Soil 2nd rate

Timber of pine, fir & oak.

Vegetation. grass.

Township

4 N

Range

28 E

BOOK 22

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 15'$ East.*Over rolling land.*

20.00 Cross Brook. 4 lks. wide, Course S.

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

57.00 Cross Brook. 6 lks. wide, Course S. W.

77.30 Intersect W. B. of Tp. 10 lks. S. of cor. to secs.

16.70 ^{previously set by me.} from which corner, I runS. $89^{\circ} 56'$ E. on a true line, between sections 6 & 7Variation $14^{\circ} 15'$ East.

37.30 Set a Malapai stone 18 x 10 x 6 ins., 12

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.

77.30 The corner to sections 5, 6, 7 & 8

Land rolling.

Soil 1st & 2nd rate

Timber of pine, fir & oak.

Vegetation. grass.

Chains *true.* North, on a ~~ran~~ line between Sections 5 and 6.
 Variation 14° 15' East.

Over rolling land.

11000 Set a Malapai stone 10 x 8 x 6 ins., 6 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.*

8004 Intersect the 7th Standard Parallel North at a point 14.18 chs West- of the Standard Cor. to 1/4 Sec. on S. E. of previously set by at which Secs. 31 and T. 5 N. R. 28 at which point I

Set a Malapai stone 10 x 8 x 6 ins. 6 ins. in the ground for Closing Cor. to Secs. 5 and 6 marked C. C. with 5 notches on E. and 1 notch on W. edges and raised a mound of stone. alongside. *Pits impracticable.*

Land rolling

Soil 1st & 2nd rate

Timber of pine, fir & oak.

Vegetation. grass.

Aug. 27. 1883

GENERAL DESCRIPTION.

This Township is high, rolling and mountainous.

The finest scenery in the county along Black River, which is a fine stream of most excellent water fed by numerous Spring branches.

The soil is a rich dark loam and is productive, and adapted to agriculture, where there is not an excessive cropping out of stone formation which consists of Gneiss, Sand stone etc.

This Tp. contains an immense growth of Pine suitable for lumber, also Fir, Hemlock, Oak, Quakerasp etc. etc.

The water supply is the finest that can be found anywhere, and its numerous spring branches and their great receptacle Black River are all full of Trout and other fine fish.

The grazing facilities

are fine.

This Sp. is accessible with common transportation but access is somewhat difficult on account of its many Canons, Ravines, Mountains etc.

Wild game of all kinds are found in great plenty.

For final notes see Book No. 18

U. S. Surveyor-General's Office.

Tucson, Arizona.

June 16. 1884.

The foregoing Field Notes of the surveys of

Subdivision lines of
Township 4 North
Range 28 East
Gila & Salt River Meridian

in _____ executed by

W. R. Fitzgerald

U. S. Deputy Surveyor, under his contract dated

July 20th, 1884.

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.