

~~Book No. 2~~

BOOK 78

attest
index

Deputy Surveyor.

H. A. Coe,
T. 10 North,

R. 24 East,

Gila and Salt River Meridian.

No 78

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *10 North,* Range *24 East,*

Gila and Salt River Meridian.

BY

H. A. Coe,

Deputy Surveyor.

Under his Contract of *July 25,* 1882.

Survey Commenced *Dec. 27,* 1882.

Survey Completed *Jan. 3,* 1883.

No 78

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H. A. Coe, Deputy Surveyor.

T. *10 North*, **R.** *24 East*,

Gila and Salt River Meridian.

No-78

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1 A

BOOK 78

Township 10 North, Range 24 East,
S. & R. B. & E. 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	13
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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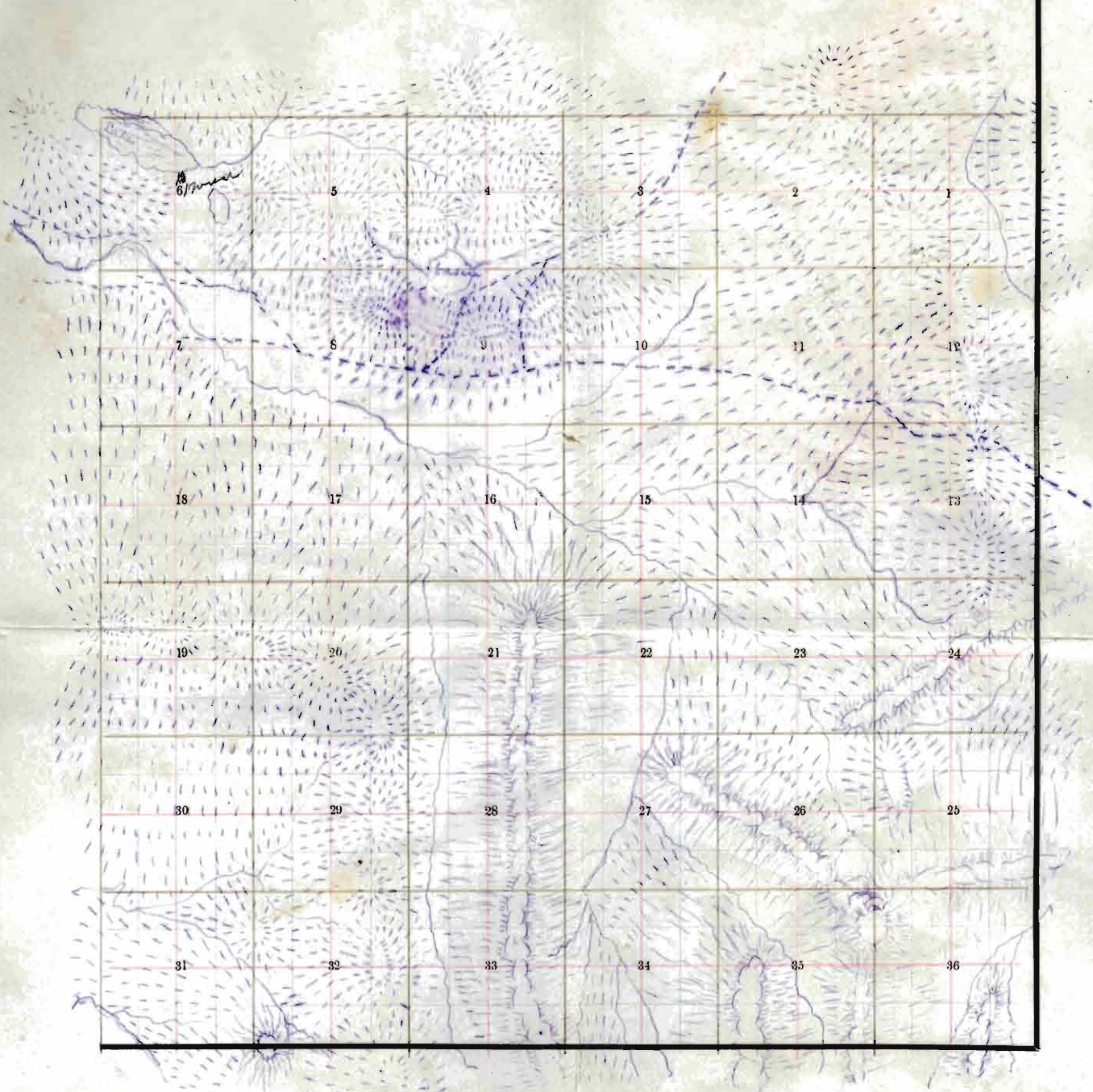
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1B

Township No. 10 Range No. 24 1/2 Belt River Meridian. 1B

BOOK 78



TOWNSHIP PLOT

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

Office Work.

Township Range

Meridian.

From Preliminary Data
and description of instrument
see Book No. 1.

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

Township

10 North,

Range

24 East,

Gila and Salt River Meridian.

(See previous page.)

Chains

From the corner to Sections 35, 36, 1-2 on the South boundary,

of 4th, which is a Basalt stone, 17 x 9 x 4 ins.
 set 11 ins. in the ground, marked with 1 notch
 on E. and 5 notches on N. edges, pits, 18 x 18 x 12 ins.
 in each Sec., 5 1/2 ft. dist., and earth mound
 2 ft. high, 4 1/2 ft. base, alongside, from which
 A Pine 26 ins. dia., bro. N. 47° E. 122 lbs. dist.,
 marked S. 16 N. R. 24 E. S. 36 B. S.
 A Pine 18 ins. dia., bro. S. 78° E. 30 lbs. dist.,
 marked S. 9 N. R. 24 E. S. 1 B. S.
 A Pine 10 ins. dia., bro. S. 57° W. 17 lbs. dist.,
 marked S. 9 N. R. 24 E. S. 2 B. S.
 A Pine 6 ins. dia., bro. N. 63° W. 25 lbs. dist.,
 marked S. 10 N. R. 35-36 E. S. 35 B. S.
 North between sections 35-36.

Variation 14° 43' East.

Ascend.

40.00 Set a Sand stone 16 x 12 x 8 ins., 11
 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.
 face, and raised a mound of stone alongside. Pits
 impracticable.

66.50 Top of ground Putte and descend,

80.00 Set a Basalt stone 18 x 10 x 8 ins. 12 ins. in
 the ground for Cor. to Secs. 25-26-35-36 marked
 with 1 notch on S. and 1 notch on E. edges and
 raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 North Range 78 24 East,

BOOK

Gila and Salt River Meridian.

Chains

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

Variation 13° 50' East.

Ascend.

19.00 Top of Spur, bears N. 80° E. 7 S. 50 W. descend.

40.00 Set temporary 1/4 Sec. Cor.

80.20 Intersect C. B. of Tn. 23 1/2 m. South of cor. to secs.

25-30-31-36, which is a post, 4 ins. square, set firmly in the ground, marked 107. S. 30 on N.E., R. 25 E. S. 31 on S.E., R. 24 E. S. 36 on S.W. and S. 25 on N.W. faces, with notch on S. & 5 notches on wedges, pits 18x18x12 ins. in Secs. 30-31-36, 5 ft. dist. and earth mound, 2 ft. high, 4 ft. base around post from which 1/2 mi. 20 ins. dia., b. N. 46° W. 329 lks. dist., marked 107, R. 24 E. S. 25 W. S. from which corner, I run

S. 89° 30' W. on a true line, between sections 25-36.

Variation 13° 30' East.

40.10 Set a Sand stone 15 x 9 x 4 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.

80.20 The corner to sections 25-26-35-36.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

10 N.,

BOOK 78

Range

24 E.,

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Descend. *gradually*. Variation. $13^{\circ}50'$ East.

32.20 Cross Wash, 15 *cks.* wide, Course $N20^{\circ}W$ and ascend.

40.00 Set a *Sand* stone $24 \times 13 \times 5$ ins., 18 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N* face, dug pits $18 \times 18 \times 12$ ins., *N* and *S* of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. *alongside*.

80.00 Set a *Basalt* stone $16 \times 10 \times 4$ ins. 11 ins. in the ground for Cor. to Secs. 23-24-25-26 marked with 2 notch *es* on *S*. and 1 notch on *E*. edges, dug pits $18 \times 18 \times 12$ 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. *alongside*.

Land rolling.

Soil 3^{rd} rate

Vegetation, *Bunchgrass*.

Township

10 N,

BOOK

Range

78 24 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 20'

East.

Over rolling land.

40.00 Set temporary 1/4 Sec. Cor.

79.84 Intersect C. B. of Tn. 16 lks. North of cor. to secs.

14-24 25-30, which is a Sandstone
15x8x3 ins. set 10 ins. in the ground
marked with 4 notches on N. & 2 on S. edges,

A Pine 18 ins. dia. from which, 64 lks. dist.,
marked S. 10 N. R. 24 E., S. 19 B. S.

A Pine 12 ins. dia. from S. 85° E., 129 lks. dist.,
marked S. 10 N., R. 24 E., S. 30 B. S.

A Pine 17 ins. dia. from S. 3 1/2° W., 61 lks. dist.,
marked S. 10 N., R. 24 E., S. 25 B. S.

A Juniper 20 ins. dia. from N. 78° W., 110 lks. dist.,
marked S. 10 N., R. 24 E., S. 24 B. S. Thence

Run N. 89° 53' W. on a true line, between sections 24-25.

Variation 13° 30' East.

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

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

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

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

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

79.84 The corner to sections 23-24-25-26.

Land rolling.

Soil 2nd rate

Vegetation Bunchgrass.

Timber of

Pine and Juniper

Township

10 N.

BOOK 78
Range

24 E.

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation $13^{\circ}20'$ East.*Ascend.*

17.17 Top of Spur, bears N.E. & S.W. and descend.
 40.00 Set a Basalt stone $15 \times 7 \times 5$ 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.

80.00 Set a Basalt stone $20 \times 7 \times 5$ ins., 15 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.

Land mountainous.

Soil 3rd rate

Vegetation, Junegrass.

Township 10 N. Range 24 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 13 and 24.
Variation 13° 30' East.

Descend.

11.50 Cross Wash, 14 lks. wide, Course North and ascend.

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

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

79.93 Intersect E. B. of Tⁿ. 21 lks. North of cor. to secs.

13-18-19-24, which is a Basalt stone,
17 x 10 x 5 ins., set 11 ins. in the ground
marked with 3 notches on N.
and 3 notches on S. edges,
with mound of stone along-
side,

from which corner, I run

N. 89° 51' W. on a true line, between sections 13-24.

Variation 13° 12' East.

39.97 Set a Basalt stone 15 x 11 x 7 ins., 10 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,
dug pits 18 x 18 x 12 ins., E and W. of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside.

79.93 The corner to sections 13-14-23-24.

Land mountainous.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N,

BOOK 78

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

Variation

13° 30'

East.

Descend.

9.60 Cross Wash, 17 lks. wide, Course N.W. and ascend.

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. :

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

80.00 Set a Lime stone 14 x 7 x 6 ins. 9 ins. in the ground for Cor. to Secs. 11-12-13-14 marked with 4 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.

Land mountainous.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation

14°

East.

Over rolling land.

6.90

Cross Road, bears,

N.W. & S.E.

40.00

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

57.00

Top of Ridge, bears N.10°W. & S.10°E, and descend.

80.09

Intersect E. B. of Tn. 33 lks. South of cor. to secs.

7-12-13-18, which is
 a Basalt Stone, 17 x 10 x 4 ins.
 set 11 ins. in the ground,
 marked with 2 notches on N.
 and 4 notches on S. edges,
 with mound of stone
 alongside,

from which corner, I run

S. 89° 46' W, on a true line, between sections 12-13.

Variation

13° East.

40.05

Set a Basalt stone 18 x 10 x 7 ins., 2 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,
 dug pits 18 x 18 x 12 ins., E and W. of stone $5\frac{1}{2}$
 ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
 ft. base alongside.

80.09

The corner to sections 11-12-13-14.
 Land mountainous.

Soil

2nd grade

Vegetation,

Bunchgrass. Dec. 27, 1882.

9 Township 10 N.,

BOOK 78
Range 24 E.,

Gila and Salt River Meridian.

Chains North, between Sections 11 and 12.

Variation 14° East.

Descend.

4.30 Cross Wash, 16 lks. wide, Course S.W. and ascend.

5.30 Cross Road, bears, N. 80° E. & S. 80° W.

40.00 Set a Basalt stone 18 x 10 x 7 ins., 12 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.

80.00 Set a Basalt stone 15 x 10 x 8 ins. 10 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.

Land rolling.

Soil 1st rate

Vegetation Bunchgrass.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 56'

East.

Ascend.

38.00 Top of Ridge, bears N 30° W. 10.30 E and descend.

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

69.25 Cross Wash, 15 fks. wide. Course N 23° W and ascend.

80.31 Intersect C. B. of Tn. 40 fks. South of cor. to secs.

1-6-7-12, which is
 a Basalt stone,
 19 x 12 x 4 ins. set 14 ins. in the
 ground, marked with one
 notch on N. and five notches
 on S. edges, with mound
 of stone alongside,

from which corner, I run

S 89° 43' W on a true line, between sections 1-12.

Variation 12° 45' East.

40.16 Set a Basalt stone 9 x 10 x 8 ins., 14 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,
 dug pits 18 x 18 x 12 ins., E and W. of stone 5 $\frac{1}{2}$
 ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$
 ft. base. alongside.

80.31 The corner to sections 1-2-11-12.
 Land mountainous.

Soil

2nd rate

Vegetation,

Sunchgrass.

Township 10 N., Range 24 E.,

Gila and Salt River Meridian.

Chains

North, on a random line between Sections 1 and 2.

Variation $13^{\circ}56'$ East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.48.00 Top of Ridge, bears N. N. $\frac{1}{4}$ S. E. and descend.80.20 Intersect N. B. of Twp. 16 $\frac{1}{4}$ lks. West of cor. to secs.

1-2-35-36, which is

A Basalt stone
 16 x 12 x 6 ins., set 11 ins. in
 the ground, marked with
 one notch on East and four
 notches on West edges,
 with mound of stone along
 side,

from which corner, I run

S. 7' N. on a true line, between sections 1-2.

Variation $12^{\circ}30'$ East.

40.20 Set a Basalt stone 16 x 11 x 6 ins., 11 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,
 dug pits 18 x 18 x 12 ins., N and S. of stone $5\frac{1}{2}$
 ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
 ft. long, alongside.

80.20 The cor. to secs. 1-2-11-12.

Land mountainous.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N.

BOOK 78

Range

24 E.

Gila and Salt River Meridian.

Chains

From the corner to sections, ²⁻³ 34-35 on S. B.
 of $\frac{1}{4}$ Tr., which is a Basalt stone, $16 \times 12 \times 4$ ins.
 set 11 ins. in the ground, marked with
 2 notches on E. side & 4 notches on N. edges,
 with mound of stone alongside,
 from which
 + Pine 16 ins. dia, b'g. N. 54° E., 53 lks. dist.,
 marked S. 10 N. R. 24 E., S. 35 B. J.
 + Pine 17 ins. dia, b'g. S. 60° E., 103 lks. dist.,
 marked S. 9 N. R. 24 E., S. 2 B. J.
 + Pine 18 ins. dia, b'g. S. 51° W., 76 lks. dist.,
 marked S. 9 N. R. 24 E., S. 3 B. J.
 + Pine 8 ins. dia, b'g. N. 37° W., 66 lks. dist.,
 marked S. 10 N. R. 24 E., S. 34 B. J.
 North between sections 32-35.

Variation 14° East.

Over rolling land.

40.00 Set a Lime stone $16 \times 10 \times 4$ ins., 11 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,
 dug pits $18 \times 18 \times 12$ ins., N and S. of stone $5\frac{1}{2}$
 ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
 ft. base alongside.

80.00 Set a Lime stone $16 \times 14 \times 5$ ins., 11 ins. in
 the ground for Cor. to Secs. 26-27-34-35 marked
 with / notch on S. and 2 notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 3^{rd} rate

Vegetation, Bunchgrass.

Township 10 N,

BOOK 78
Range 24 E,

Gila and Salt River Meridian.

Chains

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

Variation 13° 40' East.

Over rolling land.

10.40 Cross Wash, 20 lks. wide, Course N. 40° W and ascend.

40.00 Set temporary 1/4 Sec. Cor.

61.00 Top of Ridge, bears N. 30° W. & S. 30° E and descend.

79.78 Intersect N. & S. line, 31 lks. North of cor. to secs.

25-26-35-36 from which corner, I run.

N 89° 44' W. on a true line between sections 26-35.

Variation 13° 50' East

39.59 Set a Basalt stone 18 x 10 x 7 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.

79.78 The corner to sections 26-27-34-35.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

10 N.

BOOK 78

Range

24 E.

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation

13° 40'

East.

Ascend.

12.23 Cross Wash, 20 lks. wide, Course N. 34° W. and ascend.

40.00 Set a Basalt stone 18 x 11 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.

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

80.00 Set a Basalt stone 15 x 11 x 7 ins. 10 ins. in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base. alongside.

Land mountainous.

Soil 3rd rate

Vegetation, Pinchgrass.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 23 and 26.

Variation

13° 36'

East.

Descend.

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

50.19 Cross Wash, 20 lks. wide, Course N. 20° W and ascend.

80.13 Intersect N. & S. line, 19 lks. North of cor. to secs.

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

N. 89° 52' W. on a true line between sections 23-26.

Variation 13° 20' East

40.07 Set a Basalt stone 18 x 11 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.

80.13 The corner to sections 22-23-26-27.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation

13° 36'

East.

Descend.

40.00

Set a *Lime* stone 14 x 12 x 7 ins., 14 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.*

65.79

Cross Wash, 15 lks. wide, Course *N.W.* and ascend.

80.00

Set a *Basalt* stone 18 x 10 x 7 ins. 12 ins. in the ground for Cor. to Secs. 14-15-22-23 marked with 3 notch *W* on S. and 2 notches on E. edges and raised a mound of stone alongside. *Pits impracticable.*

Land rolling.

Soil

2nd rate

Vegetation, *Bunchgrass.*

Township

10 N.

Range

24 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 04'

East.

*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.85 Intersect N. & S. line, 39 lks. South of cor. to secs.

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

S 89° 43' W. on a true line between sections 14-23.

Variation

13° 30' East

39.93 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.

79.85 The corner to sections 14-15-22-23.

Land rolling.

Soil 2nd rate

Vegetation, "Bunchgrass."

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

Dec. 28, 1882.

Township 10 N. Range 24 E.

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation

14° 04'

East.

Over rolling land.

40.00 Set a Basalt stone 20 x 10 x 8 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.

38.45 Cross Wash 15 lks. wide, Course West, and ascend.

80.00

Set a Basalt stone 20 x 14 x 4 ins. 15 ins. in the ground for Cor. to Secs. 10-11-14-15 marked with 4 notches on S. and 2 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. alongside.

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Timber of Pine and Juniper.

Township

10 N,

BOOK 78

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 20'

East.

Descend.

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

68.45 Cross Wash, 15 lks. wide, Course S 56° W and ascend.

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

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

S 89° 57' W. on a true line between sections 11-14.

Variation

14°

East

39.97

Set a Basalt stone 14 x 7 x 5 ins., 9 ins.

in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,dug pits 18 x 18 x 12 ins., E and W. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$

ft. base. alongside.

79.94

The corner to sections 10-11-14-15.

Land rolling.

Soil

2nd rate

Vegetation,

Bunchgrass.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation

13° 20'

East.

Ascend.

22.33

Cross Road, bears, E. & W.

40.00

Set a Basalt stone 15 x 10 x 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W face, dug pits 18 x 18 x 12 ins., N and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 2-3-10-11, marked T/10 N. S. 2, on N, E, R. 24 E. S. 11 on S, E, S, 10 on S, W, and S, 3 on N, W, face with 5 notches 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 rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation $12^{\circ}34'$ East.*Over level land*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.60 Intersect N. & S. line, 15 *lks. North* of cor. to secs.

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

 $N89^{\circ}54'W$. on a true line between sections 2-11.Variation $13^{\circ}56'$ East39.80 Set a Basalt stone 18 x 13 x 5 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.*

79.60 The corner to sections 2-3-10-11.

*Land level.*Soil *2nd rate*Vegetation *Bunchgrass.*Timber of *Juniper.*

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

North, on a random line between Sections 2 and 3.

Variation

12° 34'

East.

Over level land

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.57 Intersect N. B. of Tn. 12 ¹/₂ m. East of cor. to secs.

2-3-34-35, which is

A Basalt stone, 19 x 8 x 4 ins., set
14 ins. in the ground, marked
with two notches on E. and 4
notches on N. edges, pits, 18 x 18 x 12 ins
in each Sec. 5' ft. dist., and mound
of earth, 2 ft. high, 4' ft. base
alongside

from which corner, I run

S. 5' E., on a true line, between sections 2-3.

Variation 13° 20' East.

40.58 Set a Basalt stone 16 x 10 x 6 ins., 11

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.

80.58 The corner to sections 2-3-10-11.

Land rolling.

Soil 2nd ^{and} _{rate} ^{and} _{rate}

Vegetation, Bunchgrass.

Timber of Juniper.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

3-4

From the corner to sections, 33-34 on S.B.
 of Sp. which is
 A Basalt stone, 21 x 14 x 6 ins,
 set 16 inches in the ground,
 marked with 3 notches on East
 and 3 notches on West
 edges, with mound of stone
 alongside,
 True

North between sections 33-34.

Variation 13°30' East.

Descend.

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.

52.00 Cross Wash, 40 lks. wide, Course N.E., and ascend.

80.00 Set a Basalt stone 12 x 10 x 5 ins. 8 ins. in
 the ground for Cor. to Secs. 27-28-33-34 marked
 with / notch on S. and 3 notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Timber of Juniper.

Township

10 N.,

Range

24 E.,

Gila and Salt River Meridian.

Chains

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

Variation

13° 35'

East.

Descend.

9.20 Cross Wash, 34 lks. wide, Course N.E. and ascend.

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

79.92 Intersect N. & S. line, 17 lks. South of cor. to secs.

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

S. 89° 53' W. on a true line between sections 27-34.

Variation

13° 40' East

39.96 Set a Basalt stone 15 x 10 x 6 ins. 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face, dug pits 18 x 18 x 12 ins., E and W. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.

from which

A Yellow Pine 15 ins diam. bears S. 9° E., 65 lks. dist. marked $\frac{1}{4}$ S. B. T.

A Yellow Pine 18 ins diam. bears N. 51° W., 78 lks. dist. marked $\frac{1}{4}$ S. B. T.

79.92 The corner to sections 27-28-33-34.

Land rolling.

Soil 125 rate

Vegetation, Bunchgrass.

Timber of Pine.

Township

10 N;

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation $13^{\circ}35'$ East.*Ascend gradually.*

40.00 Set a *Basalt* stone $20 \times 12 \times 10$ 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.

80.00 Set a *Limw* stone $18 \times 9 \times 6$ ins. 12 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.

*Land rolling.*Soil 2^{nd} rateVegetation, *Bunchgrass.*Timber of *Juniper.*

Dec. 29, 1882.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation 13° 12' East.

Descend.

40.00 Set temporary 1/4 Sec. Cor.

56.10 Cross Wash, 25 lks. wide, Course *North* and ascend.

79.68 Intersect N. & S. line, 40 lks *South* of cor. to secs.

22-23-26-27 from which corner, I run

S. 89° 43' W. on a true line between sections 22-27.

Variation 13° 36' East

39.84 Set a Basalt stone 18 x 10 x 7 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.

79.68 The corner to sections 21-22-27-28.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N,

BOOK 78

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 21 and 22.

Variation 13° 12' East.

Ascend. over rolling land.

40.00 Set a Basalt stone 21 x 15 x 7 ins., 16 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 15 x 10 x 7 ins. 10 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 rate

Vegetation, Bunchgrass.

Township

10 N.

BOOK 78

Range

24 E.

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 15 and 22.

Variation

13° 15'

East.

Descend.

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

54.80 Cross Wash, 20 lks. wide, Course N.W. and ascend.

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

14-15-22-23 from which corner, I run

S. 89° 55' W. on a true line between sections 15-22.

Variation 14° 04' East

40.12 Set a Basalt stone 18 x 10 x 10 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face, Aug pits 18 x 18 x 12 ins., E and W. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.

80.24 The corner to sections 15-16-21-22.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Timber of

Juniper.

Township 10 N. Range 24 E.

Gila and Salt River Meridian.

Chains North, between Sections 15 and 16.

Variation 13° 15' East.*Descend.*38.10 Cross Wash, 16 lks. wide, Course N.W., and ascend.40.00 Set a Basalt stone 18 x 10 x 6 ins. 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W face, dug pits 18 x 18 x 12 ins., N and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

80.00 Set a Basalt stone 15 x 10 x 6 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.

Land rolling.

Soil 2nd rateVegetation, Bunchgrass.

Township 10 N, Range 24 E,
Gila and Salt River Meridian.

Chains East, on a random line between Sections 10 and 15.
Variation $13^{\circ}13'$ East.

Over rolling land.

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

79.97 Intersect N. & S. line, 43 lks. *North* of cor. to secs.
10-11-14-15 from which corner, I run

$789^{\circ}42'W.$ on a true line between sections 10-15.

Variation $13^{\circ}20'$ East

39.99 Set a Basalt stone 16 x 12 x 8 ins., 11
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.

79.97 The corner to sections 9-10-15-16.

Land rolling.

Soil 2nd rate

Vegetation, "Bunchgrass."

Township

10 N.

Range

24 E.

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation

13° 13'

East.

Ascend.

7.50 Cross Wash, 18 lks. wide, Course *S.W.* and ascend.36.40 Cross Road, bears, *E. & W.*

40.00 Set a Basalt stone 18 x 10 x 7 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N* face, dug pits 18 x 18 x 12 ins., *N* and *S.* of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside.

80.00 Set a Basalt stone 16 x 10 x 5 ins. 11 ins. in the ground for Cor. to Secs. 3-4-9-10 marked with *T* notches on *S.* and *S* notches on *E.* edges and raised a mound of stone alongside. Pits impracticable.

from which

A Yellow Pine 6 ins diam. bears *N. 51° E.*, 100 lks. dist. marked *T. 10 N.*, *R. 24 E.*, *S.*, 3 *B. T.*

A Yellow Pine 8 ins diam. bears *S. 42° E.*, 113 lks. dist. marked *T. 10 N.*, *R. 24 E.*, *S.*, 10 *B. T.*

A Yellow Pine 4 ins diam. bears *S. 23° N.*, 37 lks. dist. marked *T. 10 N.*, *R. 24 E.*, *S.*, 9 *B. T.*

A Yellow Pine 6 ins diam. bears *N. 49° W.*, 57 lks. dist. marked *T. 10 N.*, *R. 24 E.*, *S.*, 4 *B. T.*

Land rolling.

Soil 2nd rate

Vegetation

Timber of

Bunchgrass.
Pine & Juniper.

Township

10 N,

Range

24 E,

Gila and Salt River

Meridian.

Chains

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

Variation

13°30'

East.

Ascend
30.00 Top of Butte and descend.

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

62.12 Enter Valley, bears N. W. & S. E.

79.76 Intersect N. & S. line, 21 lks. North of cor. to secs.

2-3-10-11 from which corner, I run

N. 89°51' W. on a true line between sections 3-10.

Variation 12°34' East

39.88 Set a Basalt stone 22 x 11 x 9 ins., 16
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.

79.76 The corner to sections 3-4-9-10.

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Timber of Juniper.

Township

10 N.,

Range

24 E.,

Gila and Salt River Meridian.

Chains

North, on a random line between Sections 3 and 4.

Variation

13° 30'

East.

Ascend.

11.40 Cross Road, bears, N. 60° E. & S. 60° W.

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

44.65 Top of Ridge, bears N. 74° W. & S. 74° E. and descend.

50.70 Intersect N. B. of Tp. 13 $\frac{1}{2}$ m. East of cor. to secs.

3-4-33-34, which is

A Basalt stone,
18 x 12 x 3 ins., set 12 ins. in
the ground, marked with
three notches on East and
three notches on West edges,
with mound of stone along-
side,

from which corner, I run

S. 20° E. on a true line, between sections 3-4.

Variation

13°

East.

40.70 Set a Basalt stone 20 x 9 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
impracticable.

50.70 The corner to sections 3-4-9-10.

Land mountainous.

Soil

3rd rate

Vegetation, Bunchgrass.

Timber of

Juniper.

Dec. 30, 1882.

Township 10 N, Range 24 E, Gila and Salt River Meridian.

Chains ⁴⁻⁵
 From the corner to sections, 32-33 on S.B.
 of T₄, which is
 A Basalt stone,
 17 x 11 x 4 ins., set 11 inches in
 the ground, marked with four
 notches on East, and two notches
 on West edges, with mound of
 stone alongside,
 Iron,

North between sections 32-33.
 Variation 13° East.

Over rolling land.

40.00 Set a Basalt stone 18 x 10 x 7 ins. 12
 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W.
 face, and raised a mound of stone alongside. Pits
 impracticable.

80.00 Set a Basalt stone 15 x 8 x 3 ins. 10 ins. in
 the ground for Cor. to Secs. 28-29-32-33 marked
 with 1 notch on S. and 4 notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

A Yellow Pine 34 ins diam. bears S. 57° W, 143 lks. dist.
 marked T 10 N, R. 24 E, S. 32 B. T.

A Yellow Pine 36 ins diam. bears N. 50° W, 143 lks. dist.
 marked T 10 N, R. 24 E, S. 29 B. T.

Land rolling.
 Soil 3rd rate. Vegetation, Bunchgrass.
 Pine.
 Vegetation Timber of

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 40'

East.

Descend.

17.80 Cross Creek 10 lks. wide, Course N, and ascend.

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

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

80.52 Intersect N. & S. line, 16 lks North of cor. to secs.

27-28-33-34 from which corner, I run

NS 453' W. on a true line between sections 28-33.

Variation 13° 35' East

40.26 Set a Basalt stone 15 x 10 x 7 ins., 10 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,
dug pits 18 x 18 x 12 ins., E. and W. of stone 5 $\frac{1}{2}$
ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$

ft. base alongside.

80.52 The cor. to secs. 28-29-32-33.

Land mountainous.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Timber of Pine.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation

13° 40'

East.

Over rolling land.

40.00

Set a Basalt stone 18 x 10 x 6 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.

80.00

Set a Lime stone 24 x 12 x 10 ins. 18 ins. in the ground for Cor. to Secs. 20-21-28-29 marked with 2 notches on S. and 4 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Timber of Pine,

Township

10 N.

Range

24 E.

Gila and Salt River Meridian.

Chains

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

Variation

14°

East.

Descend.

22.76 Cross Creek 25 lks. wide, Course N. and ascend.

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

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

80.33 Intersect N. & S. line, 36 lks. N. of cor. to secs.

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

N 89° 45' W. on a true line between sections 21-28.

Variation 13° 12' East

40.17 Set a Lime stone 15 x 10 x 7 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.

80.33 The corner to sections 20-21-28-29.

Land mountainous.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N.,

Range

24 E.,

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

14°

East.

Over rolling land.

40.00 Set a *Lime* stone $18 \times 10 \times 6$ ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N* face, dug pits $18 \times 18 \times 12$ ins., *N* and *S*. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

30.00 Set a *Basalt* stone $14 \times 7 \times 5$ ins. 9 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.

Land rolling.

Soil 2nd rate

Vegetation, "Bunchgrass."

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation

14° 15'

East.

Descend.

S. 50 Cross Creek 30 lks. wide, Course N, and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.96 Intersect N. & S. line, 22 lks South of cor. to secs.
15-16-21-22 from which corner, I runS. 89° 51' W. on a true line between sections 16-21.
Variation 13° 15' East39.98 Set a Basalt stone 24 x 12 x 8 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.79.96 The corner to sections 16-17-20-21.
Land rolling.Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation

114° 15'

East.

Descend.

40.00 Set a *Lime* stone 20 x 10 x 9 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.

75.80 Cross Creek 29 lks. wide, Course N.W. and ascend.

30.00 Set a *Lime* stone 14 x 7 x 7 ins. 9 ins. in the ground for Cor. to Secs. 8-9-16-17 marked with *Notches* on S. and *Notches* on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil

2nd rate

Vegetation,

Bunchgrass.

Timber of

Pine and Juniper.

Township

10 N.

Range

24 E.

Gila and Salt River Meridian.

Chains

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

Variation

12° 40'

East.

Descend.

40.00 Set temporary 1/2 Sec. Cor.

79.50 Cross Wash, 20 lks. wide, Course S.W. and ascend.

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

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

N. 89° 52' W. on a true line between sections 9-16.

Variation

13° 13'

East

40.05

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

12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

80.10

The corner to sections 9-16-17.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Timber of Pine and Juniper.

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

Jan. 1st 1883.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation

12° 40'

East.

Over rolling land.

36.40 Cross Road, bears, E. & W.

40.00 Set a Basalt stone 14 x 10 x 5 ins., 9
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.

44.00 Top of Ridge, bears N. 70° W. N. 70° E. and descend.

30.00 Set a Basalt stone 16 x 10 x 5 ins.!! ins. in
the ground for Cor. to Secs. 4-5-8-9 marked
with 5 notches on S. and 4 notch on E. edges and
raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil

2nd rate

Vegetation,

Bunchgrass.

Timber of

Pine and Juniper.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation $12^{\circ}27'$ East.*Descend.*

- 15.22 Cross Wash, 6 lks. wide, Course $S. 60^{\circ} E.$
- 20.00 Center dry Basin Course $N. 25^{\circ} E.$
- 38.74 Leave same, Course $N. 16^{\circ} W.$ & ascend.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 44.10 Cross Road, bears, $N. 70^{\circ} E.$ & $S. 70^{\circ} W.$
- 59.85 Cross Road, bears, $N.$ & $S.$
- 79.91 Intersect N. & S. line, 32 lks South of cor. to secs.
34-9-10 from which corner, I run
 $S. 89^{\circ} 46' W.$ on a true line between sections 4-9.
Variation $13^{\circ} 30'$ East
- 39.96 Set a Basalt stone $14 \times 9 \times 4$ ins., 11
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.
- 79.91 The corner to sections 4-5-8-9.
Land rolling.
Soil ^{3rd rate}
Vegetation Bunchgrass.
Timber of Pine & Juniper.

Township 10 N., Range 24 E.,

Gila and Salt River Meridian.

Chains

North, on a random line between Sections 4 and 5.

Variation 12° 27' East.

Descend.

7.60 Cross Wash, 5 lks. wide, Course S. 60° E. and ascend.

29.18 Top of Ridge, bears N. 64° W. 9 S. 64° E. and descend.

40.00 Set temporary 1/4 Sec. Cor.

59.10 Cross Wash, 8 lks. wide, Course N. 80° W. and ascend.

81.23 Intersect N.B. of Tp. 18 lks. East of cor. to secs.

4-5-32-33, which is

A Basalt stone, 16 x 12 x 4 ins., set 11 ins. in the ground, marked with 2 notches on N. and 4 notches on E. edges, with mound of stone along side; from which
 A Juniper, 20 ins. dia., brs. N. 74° E., 117 lks. dist., marked S. 11 N. R. 24 E. S. 33 P. J.
 A Juniper, 18 ins. dia., brs. S. 71° E., 63 lks. dist., marked S. 10 N. R. 24 E. S. 4 P. J.

from which corner, I run

S. 8° E., on a true line, between sections 4-5.

Variation 13° East.

41.23 Set a Basalt stone 18 x 16 x 4 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.

81.23 The corner to sections 4-5-8-9.

Land mountainous.

Soil 2nd & 3rd rates. Vegetation, Puncturegrass.

Vegetation Timber of Juniper.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

From the corner to sections 5-6 31-32 on S.B.

of $\frac{1}{4}$, which is a Basalt stone $17 \times 8 \times 3$ ins.,
 set 11 ins. in the ground, marked with 1
 notch on N. and 5 notches on E. edges, &
 mound of stone alongside, from which
 A Juniper 24 ins. dia, br. S. 9° E. 36 lks. dist,
 marked T. 9 N. R. 24 E. S. 5 B. 4.
 A Juniper 13 ins. dia, br. S. 38° N. 47 lks.
 dist, marked T. 9 N. R. 24 E. S. 6 B. 1.
 A Pine 14 ins. dia, br. N. 51° W. 35 lks.
 dist, marked T. 10 N. R. 24 E. S. 31 B. 1.

Run North between sections 31-32,

Variation 13° East.

Descend.

34.19

Lead of Ravine, Course N. 38° W and ascend

40.00

Set a Basalt stone $14 \times 9 \times 3$ ins., 9
 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.

80.00

Set a Basalt stone $15 \times 9 \times 6$ ins 10 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 Yellow Pine 24 ins diam. bears N. 46° E. 128 lks. dist. marked T. 10 N. R. 24 E. S. 29 B. 1.

A Yellow Pine 20 ins diam. bears S. 67° E. 73 lks. dist. marked T. 10 N. R. 24 E. S. 32 B. 1.

no other signs of timber
Land rolling.

Soil 3rd rate Timber of Pine & Juniper.
Vegetation, Bunchgrass.

Township 10 N,

Range 24 E.

Gila and Salt River Meridian.

Chains

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

Variation 13°25' East.

Descend.

4.25 Cross Wash, 30 lks. wide, Course N.35°W and ascend.

40.00 Set temporary 1/4 Sec. Cor.

48.28 Top of Hill bears N.23°W. 9 S. 23°E and descend.

80.11 Intersect N. & S. line, 51 lks South of cor. to secs. 28-29-32-33 from which corner, I run

S. 89°38' W. on a true line between sections 29-32.

Variation 13°40' East

40.06 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N face; from which
A Yellow Pine 18 ins diam. bears S. 60° W., 61 lks. dist. marked 1/4 S. B. T.

A Yellow Pine 13 ins diam. bears N. 63° W., 50 lks. dist. marked 1/4 S. B. T.

80.11 The corner to sections 29-30-31-32.

Land mountainous

Soil 3rd rate

Timber of Pine.

Vegetation, Bunchgrass.

Township

10 N.

Range

24 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 25'

East.

Descend.

36.75 Cross Wash, 30 lks. wide, Course S. 71° W.

40.00 Set temporary 1/4 Sec. Cor.

73.70 Cross Wash, 30 lks. wide, Course N. 64° E. and ascend.

79.86 Intersect W. B. of Tp. 19 lks. South of cor. to secs. previously set by me.

25-30-31-36 from which corner, I run S. 89° 52' E. on a true line, between sections 30 - 31.

Variation

15°

East.

39.86 Set a Basalt stone 17 x 9 x 4 ins., 11

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 24 ins diam. bears S. 29° W., 53 lks. dist.

marked 1/4 S. B. T.

No other trees within limits.

79.86 The corner to sections 29-30-31-32, Land rolling.

Soil

2nd

rate

Timber of

Pine & Juniper.

Vegetation,

Bunchgrass.

Township 10 N., Range 24 E.

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation $13^{\circ} 25'$ East.

Descend.

6.35 Cross Wash, 10 lks. wide, Course N. 85° W.
 140.00 Set a Lime stone $10 \times 7 \times 5$ ins., 7
 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.

80.00 Set a Lime stone $12 \times 10 \times 6$ ins. 8 ins. in
 the ground for Cor. to Secs. 19-20-29-30 marked
 with 2 notches on S. and 1 notch on E. edges and
 raised a mound of stone alongside. Pits impracticable.

Land rolling

Soil 2nd rate

Vegetation, Bunchgrass.

Timber of Pine and Juniper.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ}30'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.64.50 Top of Ridge, bears $N.6^{\circ}W. 75.6^{\circ}E.$, and descend.

74.74 Intersect N. & S. line, 29 lks South of cor. to secs.

20-21-28-29 from which corner, I run

 $S.89^{\circ}48'W.$ on a true line between sections 20-29.Variation 14° East

39.90 Set a Basalt stone $16 \times 9 \times 7$ ins., 11 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face, dug pits $18 \times 18 \times 12$ ins., E and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

79.74 The corner to sections 19-20-29-30.

Land mountainous

Soil

2nd

rate

Timber of

Pine and Juniper.

Vegetation,

Bunchgrass.

Township

10 N₇

Range

24 E.

50

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.60 Intersect N. B. of Tp. 7 lks. *South* of cor. to sec.*previously set by me.*
19-24-25-30 from which corner, I run

S. 89° 57' E. on a true line, between sections 19-30.

Variation 14° 16' East.

39.60 Set a Basalt stone 18 x 7 x 5 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.

79.60 The corner to sections 19-20-29-30.

*Land rolling.*Soil *2nd rate*Vegetation, *Bunchgrass.*Timber of *Pine and Juniper.**I carefully examined the adjustments of my solar
compass to-day, particularly the latitude and revers-
ing apparatus, and found them correct.**Jan. 2, 1883.*

Township

10 N.

Range

24 E.

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation

13°30'

East.

Over rolling land.

40.00 Set a Basalt stone 20 x 14 x 7 ins., 15 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.

43.00 Top of Ridge, bears N. 87° W. & S. 87° E. and descend.

80.00 Set a Lime stone 14 x 8 x 7 ins. 9 ins. in the ground for Cor. to Secs. 17-18-19-20 marked with Notches on S. and Notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous.

Soil

2nd rate

Vegetation,

Bunchgrass.

Timber of

Juniper.

Township 10 N.

Gila and Salt River Meridian.

Chains

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

Variation 14° 10' East.

Over rolling land.

40.00 Set temporary 1/4 Sec. Cor.

So. 14 Intersect N. & S. line, 40 lks North of cor. to sec.

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

N 89° 43' W. on a true line between sections 17-20.

Variation 14° 15' East

40.07 Set a Basalt stone 15 x 7 x 5 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.

So. 14 The corner to sections 17-18-19-20.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Timber of Pine and Juniper.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation

14° 10'

East.

*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.15 Intersect N. B. of Tp. 22 *Wks. Mark* of cor. to secs.
previously set by me.
13-18-19-20 from which corner, I run

N 89° 51' E on a true line, between sections 18-19.

Variation 13° 20' East.

39.15 Set a Basalt stone 18 x 10 x 6 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.

79.15 The corner to sections 17-18-19-20.

*Land rolling.*Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation

14° 10'

East.

Over rolling land.

40.00

Set a Basalt stone 15 x 10 x 7 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.

30.00

Set a Basalt stone 18 x 7 x 5 ins. 12 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.

Land rolling.

Soil

1/2^{gate}

Vegetation,

Bunchgrass.

Chains

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

Variation

13°46'

East.

Descend. gradually.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.75.85 Cross Creek 35 lks. wide. Course *nr.* and ascend.79.86 Intersect N. & S. line, 3 lks. *North* of cor. to secs.

8-9-16-17 from which corner, I run

N89°34' W. on a true line between sections 8-17.

Variation

12°40' East

39.93 Set a *Small* stone 16 x 12 x 8 ins., 11ins. 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.

79.86 The corner to sections 7-8-17-18.

Land rolling.

Soil *2nd* rateVegetation, *Bunchgrass.*

Township

10 N,

Range

24 E,

56

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ}46'$ East.

Over rolling land.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.79.32 Intersect W. B. of Tp. 36 *W. B.* of cor. to secs.

previously set by me.

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

 $S. 89^{\circ}45' E$ a true line, between sections 7-18.Variation $14^{\circ}15'$ East.39.32 Set a *lime* stone 30 x 18 x 10 ins., 22ins. 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.

79.32 The corner to sections 7-8-17-18,

Land rolling.

Soil *2nd* rateVegetation, *Bunchgrass.*

Township

10 N;

Range

24 E.

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation

13° 46'

East.

Descend.

33.52 Cross Creek 13 lks. wide. Course N.W. and ascend.
 40.00 Set a Basalt stone 15 x 10 x 7 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.

52.92 Cross Road, bears, N. 62° W. & S. 62° E.
 67.70 Cross Road, bears, N. 47° W. & S. 47° E.
 80.00 Set a Basalt stone 18 x 12 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.

Land rolling.

Soil 2nd rate

Vegetation, Pine and Juniper.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation

12° 20'

East.

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

68.08 Top of Spur, bears N. 14° W. & S. 14° E and descend.

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

4-5-8-9 from which corner, I run

S. 89° 56' W. on a true line between sections 5-8,

Variation

12° 27'

East

40.03 Set a Basalt stone 17 x 8 x 5 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
 impracticable.

80.05 The corner to sections 5-6-7-8.

Land - mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Timber of Juniper.

Township

10 N,

Range

24 E,

Gila and Salt River Meridian.

Chains

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

Variation

12° 20'

East.

Descend.

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

41.10 Cross Creek 40 lks. wide, Course N, and ascend.

79.17 Intersect N. B. of Tp. 16 lks. South of cor. to secs.
previously set by me.

1-6-7-12 from which corner, I run

S. 89° 53' 01" on a true line, between sections 6-7,

Variation

13°

East.

39.17

Set a Sand stone 18 x 14 x 3 ins., 12 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,
dug pits 18 x 18 x 12 ins., E and W. of stone 5 $\frac{1}{2}$
ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$
ft. base alongside.

79.17

The corner to sections 5-6-7-8.

Land rolling.

Soil 3rd rate

Vegetation,

Bunchgrass.

Note—A Cabin and Corral are in Sec. 6,
18.50 chs. West, and 3.80 chs. North
of cor. to secs. 5-6-7-8.

Township

10 N.

BOOK

78

Range

24 E.

60

Gila and Salt River Meridian.

Chains

North, on a random line between Sections 5 and 6.

Variation $12^{\circ} 20'$ East.

Ascend.

31.00 Top of Spur, bears E. & W. and descend.

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

74.30 Cross Wash, 25 lks. wide, Course $S. 32^{\circ} W.$ and ascend.

81.54 Intersect N.B. of Td. 20 lks. West of cor. to secs.

5-6-31-32, which is

A Basalt stone, 16 x 9 x 4 ins., set 11 ins. in the ground, marked with five notches on East and 1 notch on West edges, with mound of stone alongside,

from which corner, I run

$S. 9^{\circ} W.$, on a true line, between sections 5-6.

Variation $14^{\circ} 10'$ East.

41.54 Set a Basalt stone 16 x 9 x 4 ins., 11 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.

81.54 The corner to sections 5-6-7-8.

Land mountainous.

Soil 2nd & 3rd rate

Vegetation Pinyon, grass, Timber of Juniper. Jan. 3, 1883.

GENERAL DESCRIPTION.

The southern part of this Township is mountainous, and from the central towards the northern part, rolling.

Pine timber is quite plentiful in the southern part, while Juniper is found generally throughout the Sp.

The soil varies from 1st to 3rd rate, producing Bunchgrass in abundance which affords good grazing land.

Several Roads cross the Sp. Water is furnished by several creeks, and a Lake in extreme north western part of the Township, near which is a House & small Field claimed by Pradensis Trujillo - value \$300.

For Final Oattes see Book No. 14.

BOOK 78

U. S. Surveyor General's Office,

TUCSON, ARIZONA,

July 31st

1883,

The foregoing Field Notes of the Survey of the

Subdivision lines of
Township 10 N. R. 24 W.

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by H. A. Coe

Deputy Surveyor, under his contract of the

25th

day of

July

, 1882, having been

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

J. M. Smith
Surveyor General.