

~~Book No. 5~~

Compared

O. D. Wheeler, Deputy Surveyor.

E. 10 North, R. 22 East,

Gila and Salt River Meridian.

No-77

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *10 N.,* Range *22 E.,*

Gila and Salt River Meridian.

BY

O. D. Wheeler, Deputy Surveyor.

Under his Contract of *July 17,* 188*2.*

Survey Commenced *March 7th 1883.*

Survey Completed *March 13th 1883.*

No-77

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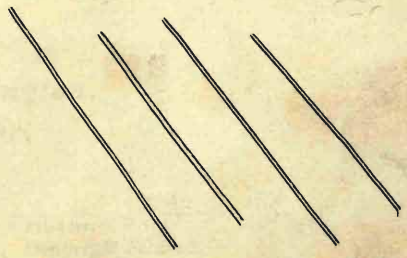
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Township 10 North Range 22, E. M.

Wheeler 31 May 82 82
1107/84



O. D. Wheeler, Deputy Surveyor.

T. *10 North*, **R.** *22 East*,

Gila and Salt River Meridian.

No-77

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *10 N.*, Range *22 E.*,

Gila and Salt River Meridian.

BY

O. D. Wheeler, Deputy Surveyor.

Under his Contract of *July 17*, 1882,

Survey Commenced *March 7th 1883.*

Survey Completed *March 13th 1883.*

Platted,

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Copied for Register,

Township *10 North* Range *22 East*
S & S. R. B & 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

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nship

Range

Merid

Meridian.

For preliminary notes and description
of instruments used see book No. 1

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

Before proceeding to subdivide this Tp., I made a
change of 6 minutes in the latitude arc of my
solar compass by adding same to
the reading previously given, and at noon verified
and corrected same by observation on the sun. I also
further tested instrument by reversing.

(See previous page.)

previously set by me.

Chains

From the corner to Sections 35, 36, 1 and 2 on the South boundary, I run,

North, between Sections 35 and 36

Variation 13° 50' East.

Descend.

32.19 Cross Wash, 17 lks. wide, Course N 60° W and ascend.

40.00 Set a Basalt stone 20 x 13 x 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.A Juniper 18 ins. diam. bears S. 70° W, 23 lks. dist. marked $\frac{1}{4}$ S. B. T.A Juniper 13 ins. diam. bears S. E., 51 lks. dist. marked $\frac{1}{4}$ S. B. T.

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

80.00 Set a Basalt stone 18 x 11 x 6 ins. / 2 ins. in the ground for Cor. to Secs. 25-26-35-36 marked with / notch on S. and / notch on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous.

Soil 2nd rate

Vegetation, Bunchgrass.

Timber of Pine & Cedar.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ}57'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

79.60 Intersect E. B. of Tp. 25 lks. S. of cor. to secs.

25-30-31-36 ^{previously set by me.} from which corner, I runS. $89^{\circ}49'17''$ on a true line, between sections 25-36.Variation $13^{\circ}30'$ East.39.80 A Yellow Pine 10 ins diam. which I marked $\frac{1}{4}$ S.on N face, for $\frac{1}{4}$ sec. cor., dug pits, 18 x 18 x 12 ins.E. and W of tree, $5\frac{1}{2}$ ft. dist. and raised a mound

of earth around tree. from which

A Yellow Pine 8 ins diam. bears S.E., 62 lks. dist.

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

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

Land mountainous.

Soil 2nd rate

Vegetation, Bunchgrass.

Timber of Pine, Juniper & Cedar

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

North, ^{5 1/2} between Sections 25 and 26.

Variation

13° 51'

East.

*Descend. gradually.*35.17 Cross Wash, 10 lks. wide, Course *N.W.* and ascend.40.00 Set a Basalt stone 15 x 8 x 6 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.

30.00

Set a Basalt stone 18 x 10 x 8 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.

*Land rolling.*Soil *2nd rate*Vegetation, *Bunchgrass.*

Township 10 N, Range 22 E;

Gila and Salt River Meridian.

Chains East, on a random line between Sections 24 and 25.
Variation 13° East.

Over rolling land.

40.00 Set temporary 1/4 Sec. Cor.

70.00 Descend. gradually.

79.59 Intersect E. B. of Tp. 12 Nks. S. of cor. to secs.
19-24-25-30 previously set by me.
from which corner, I run

S. 89° 55' W on a true line, between sections 24 - 25.
Variation 13° 40' East.

39.95 Set a Basalt stone 20 x 16 x 8 ins., 15
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.
face, and raised a mound of stone alongside. Pits
unpracticable.

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

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

North, ^{5th} between Sections 23 and 24.

Variation

13°

East.

Over rolling land.

40.00 Set a Lava stone 18 x 17 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.

43.00 Ascend. gradually.

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

80.00 Set a Basalt stone 17 x 14 x 9 ins. 11 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.

A Yellow Pine 13 ins diam. bears N. 61° E, 138 lks. dist. from which marked T. 10 N, R. 22 E, S., 13 B. T.

A Yellow Pine 15 ins diam. bears S. 83° E, 97 lks. dist. marked T. 10 N, R. 22 E, S., 24 B. T.

A Pine 9 ins, diam. bears S. 29° W, 40 lks. dist. marked T. 10 N, R. 22 E, S., 23 B. T.

A Yellow Pine 16 ins diam. bears N. 56° W, 55 lks. dist. marked T. 10 N, R. 22 E, S., 14 B. T.

Land rolling.

Soil 2nd rate

Timber of Pine.

Vegetation, Bunchgrass.

Township

10 N,

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Descend.

35.00 Cross low Sag and ascend.

40.00 Set temporary 1/4 Sec. Cor.

80.25 Intersect C. B. of Tp. 17 Nks. North of cor. to secs.

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

N. 89° 53' W on a true line, between sections 13-24.

Variation 13° 30' East.

44.13 Set a Basalt stone 32 x 14 x 9 ins., 24

ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N,
true, and raised a mound of stone alongside. Pits

impracticable. from which
A Yellow Pine 35 ins diam. bears S. 73° E, 110 kts. dist.
marked 1/4 S. B. F.

A Yellow Pine 14 ins diam. bears N. 2° E, 116 kts. dist.
marked 1/4 S. B. F.

80.25 The corner to sections 13-14-23-24,

Land rolling.

Soil 3rd rate

Timber of Pine and Juniper.

Vegetation., Bunchgrass.

Township

10 N,

Range

22 E.

Gila and Salt River Meridian.

Chains

North, ^{5/11} between Sections 13 and 14.

Variation

13° 30'

East.

Descend.

11.50 Foot of Hill and descend gradually

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
N. face, and raised a mound of stone $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base around post. Pits impracticable.

52.11 Cross Road, bears, N. 82° E. & S. 82° W.

80.00 Set a Basalt stone 18 x 14 x 10 ins. 12 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.

Land rolling.

Soil

3rd rate

Timber of Juniper.

Vegetation, Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 15'

East

Descend.

20.00 Cross Wash, 10 fks. wide, Course *North* and ascend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

77.00 Cross Road, bears, N.E. of S.W.

80.12 Intersect C. B. of Tp. 38 fks. *North* of cor. to secs.
previously set by me.

7-12-13-14 from which corner, I run

N. 89° 44' on a true line, between sections 12-13.

Variation

13°

East

24.08 Set a Lava 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.

80.12 The corner to sections 11-12-13-14.

Land rolling.

Soil

2nd rate

Vegetation,

Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

5th N.
North, between Sections 11 and 12.

Variation

13° 15'

East.

Descend. gradually.

31.00 Enter dry Basin, course N.E. 20'

40.00 Set a Basalt stone 24 x 15 x 6 ins., 1.40
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.

50.00 Leave Basin and ascend

80.00 Set a Basalt stone 25 x 8 x 8 ins. 19 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

2nd rate

Vegetation,

Bimegrass.

Township 10 N, Range 22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Descend. gradually.

40.00

Set temporary $\frac{1}{4}$ Sec. Cor.65.24 Cross Wash, 24 lks. wide, Course *N. W.* and ascend.

79.73

Intersect *E. B.* of Tp. 14 lks. *North* of cor. to secs.
1-6-7-12, *previously set by me.*
from which corner, I run789°52' *N.*, on a true line, between sections 1-12.

Variation

13°

East.

39.87

Set a *Basalt* stone 18 x 10 x 8 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.

79.73

The corner to sections 1-2-11-12.

Land rolling.

Soil

2nd rate

Vegetation,

Bunchgrass.

11 Township 10 N., Range 22 E.
Gila and Salt River Meridian.

Chains

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

Variation 13° East.

Ascend.

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

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

79.75 Intersect N. B. of Tn. 10 1/2 m. West of cor. to secs.

1-2-35-36, which is a Basalt stone, $19 \times 10 \times 5$ ins. Set 14 ins. in the ground, and marked with 1 notch on East and five notches on West edges, with mound of stone alongside,

from which corner, I run

S. 1° E., on a true line, between sections 1-2,

Variation 10° 34' East.

39.75 Set a Basalt stone $20 \times 20 \times 11$ ins., 15 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.

79.75 The corner to sections 1-2-11-12,

Land mountainous.

Soil 2nd rate

Vegetation,

Bunchgrass.

March 7th, 1883.

Township 10 N. Range 22 E.

Gila and Salt River Meridian.

*From the corner to sections, 2, 3, 34 & 35 previously set by me.*Chains *Iron* North, between Sections 34 and 35.Variation 14°

East.

Descend. gradually.

40.00 Set a Basalt stone 20 x 10 x 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.

56.81 Cross Wash, 20 yds. wide, Course N. 48° W. and ascend.

80.00 Set a Basalt stone 15 x 7 x 6 ins., 10 ins. in the ground for Cor. to Secs. 26-27-34-35 marked with 1 notch on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 2nd rateVegetation, Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ}14'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.P.O. 22 Intersect N. & S. line, 37 *lbs.* *South* of cor. to secs.

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

 $89^{\circ}44'W.$ on a true line between sections 26-35,Variation $13^{\circ}51'$ East40.11 Set a *Basalt* stone $18 \times 10 \times 8$ 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.*

P.O. 22 The corner to sections 26-27-34-35,

*Land rolling.*Soil *2nd* rateVegetation, *Bunchgrass.*

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

5th
North, between Sections 26 and 27.

Variation

13° 14'

East.

Ascend.

40.00 Set a Basalt stone 22 x 13 x 8 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.

62.00 Top of Ridge, bears N. 60° E. & S. 60° W. and descend.

76.60 Cross Fence bears, N. 78° E. & S. 78° W.

80.00 Set a Basalt stone 31 x 14 x 10 ins. 23 ins. in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notches on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

A Pine, 8 ins. diam. bears N. 81° E., 81 lks. dist. from which
marked T. 10 N. R. 22 E., S., 23 B. T.

A Juniper 18 ins. diam. bears S. 16° W., 140 lks. dist.
marked T. 10 N. R. 22 E., S., 24 B. T.

A Juniper, 23 ins diam. bears N. 24° W., 137 lks. dist.
marked T. 10 N. R. 22 E., S., 22 B. T.

No other trees within limits.

Land mountainous

Soil

3rd rate

Timber of

Pine and Juniper.

Vegetation.,

Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 45'

East.

Descend.

12.60 Cross Wash, 21 lks. wide, Course $N 11^{\circ} W$ and ascend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.15 Intersect N. & S. line, 26 lks. South of cor. to secs.

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

S 59° 49' W. on a true line between sections 23-26.

Variation

13°

East

40.08 Set a Basalt stone 16 x 8 x 6 ins.!!

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

face, and raised a mound of stone alongside.

Pits

impracticable.

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

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

North, ^{5-1/2} between Sections 22 and 23.

Variation

13° 45'

East.

Descend. gradually.

- 10.07 Cross Wash, 5 lks. wide, Course N67°W and ascend.
- 40.00 Set a Basalt stone 17 x 15 x 6 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/2 on N. face, and raised a mound of stone alongside. Pits impracticable.

- 62.40 Top of Spur bears N72°E & S72°W and descend.
- 80.00 Set a Basalt stone 24 x 12 x 7 ins. 18 ins. in the ground for Cor. to Secs. 22-23-14-15 marked with 3 notches on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil

3rd rate

Timber of

Pine and Juniper.

Vegetation,

Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

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

78.00 Top of Spur, bears N. and S., and descend.

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

13-14-23-2 From which corner, I run

N. 89° 47' W. on a true line between sections 14-23,

Variation 13° 30' East

39.97 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, and raised a mound of stone alongside. Pits

impracticable.

from which

A Juniper 7 ins. diam. bears N. 16 E., 136 lks. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 13 ins. diam. bears N. 85 W., 226 lks. dist.
marked $\frac{1}{4}$ S. B. T.

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

Land rolling.

Soil

3rd rate

Timber of

Pine and Juniper.

Vegetation,

Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

5/17.
North, between Sections 14 and 15.

Variation 13° East.

Descend.

29.75 Cross Road, bears, N 78° E & S 78° W.

40.00 Set a Basalt stone 17 x 10 x 5 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. Pits impracticable.

57.00 A Spring, bears West, 100 lks. dist.

57.17 Enter dry Lake, bears E. & W.

80.00 Set a Basalt stone 16 x 13 x 8 ins., 11 ins. in the ground for Cor. to Secs. 10-11-14-15 marked with 4 notches on S. and 2 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 3rd rate

Timber of, Pine and Juniper.

Vegetation, Bunchgrass.

1724
2846

19 Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Descend.

34.00

Foot of Hill, bears N. 88° E. and ascend
and S. 8° W., Low dry lake,

40.00

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

80.37

Intersect N. & S. line, 7 ^{North} wks. of cor. to secs.

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

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

Variation

13° 15'

East

40.19

Set a Basalt stone 19 x 15 x 12 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.

80.37

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

Land hilly.

Soil 2nd & 3rd rate

Timber of Pine and Juniper.

Vegetation, Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

North ^{5th} between Sections 10 and 11.

Variation

13°

East.

Over rolling land.

38.17

Foot of Hill, bears E. & W. and ascend

40.00

Set a Basalt stone 21 x 13 x 9 ins., 16 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

80.00

Set a Basalt stone 14 x 7 x 6 ins. 9 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.

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

21 Township 10 N., Range 22 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 2 and 11.
Variation 13° East.

Descend gradually.

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

80.09 Intersect N. & S. line, 32 lks. South of cor. to secs.
1-2-11-12 from which corner, I run

0.89 46' W. on a true line between sections 2-11.
Variation 13° East

40.05 Set a Basalt stone $18 \times 6 \times 6$ 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.

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

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township 10 N., Range 22 E.,

Gila and Salt River Meridian.

Chains

577
North on a random line between Sections 2 and 3.

Variation 13° East.

Ascend.

40.00 Set temporary 1/4 Sec. Cor.

40.60 Top of Spur, bears N. 6 and S. 1/2 and descend.

78.67 Intersect N. B. of Twp. 26 1/2 m. West of cor. to secs.

2-3-34-35, which is a Basalt stone, 24 x 13 x 5 ins, set 17 ins. in the ground, and marked with two notches on East and four notches on West edges, with mound of stone alongside,

from which corner, I run

S. 67° on a true line, between sections 2-3,

Variation 11° 15' East.

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

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

face, and raised a mound of stone alongside. Pits

impracticable.

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

Land rolling.

Soil 3rd rate

Timber of Juniper.

Vegetation, Bunchgrass.

March 8th 1883.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

~~From the corner to sections, 3, 4, 33 & 34, previously set by me.~~

Chains

5 N.
Run North, between Sections 33 and 34.

Variation

13° 50'

East.

Descend.

Snowlow

38.15 Cross Creek 15 lks. wide, Course N.W. and ascend.

40.00 Set a Basalt stone 14 x 10 x 4 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.

80.00

Set a Basalt stone 20 x 10 x 8 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.

Land rolling.

Soil

2nd rate

Vegetation,

Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Ascend.

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

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

50.04 Intersect N. & S. line, 29 lks. North of cor. to secs.

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

N. 89° 48' W. on a true line between sections 27-34.

Variation 13° 14' East

40.02 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.

50.04 The corner to sections 27-28-33-34,

Land mountainous.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

5^{1/2}
North, between Sections 27 and 28.

Variation

13°

East.

Ascend.

21.00 Top of Ridge, bears N. 51° W. 90.57 E and descend.

40.00 Set a Basalt stone 30 x 13 x 8 ins. 22
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N,
face, and raised a mound of stone alongside. Pits
impracticable.

47.91 Cross low Sag and ascend.

80.00 Set a Basalt stone 19 x 14 x 5 ins. 14 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. Pit. impracticable.

Land mountainous

Soil

3rd rate

Timber of

Juniper.

Vegetation,

Bunchgrass.

Township

10 N,

Range

22 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 30' East.

Ascend. gradually.

13.00 Descend. gradually.

30.00 Ascend. gradually.

40.00 Set temporary 1/4 Sec. Cor.

58.10 Cross Fence bears, N. 76° W. & S. 76° E.

79.92 Intersect N. & S. line, 44 lks. North of cor. to secs. 22-23-26-27 from which corner, I run

N 89° 41' W. on a true line between sections 22-27.

Variation 13° 45' East

39.96 Set a Basalt stone 30 x 20 x 9 ins., 22 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.

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

79.92 The corner to sections 21-22-27-28,

Land rolling.

Soil 3rd rate

Timber of Juniper.
Vegetation, Sagebrush.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

North ^{5 1/2} between Sections 21 and 22.

Variation

14° 30'

East.

Ascend. gradually.

27.10

Descend. gradually.

40.00

Set a Basalt stone 16 x 14 x 7 ins., 11 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 32 x 16 x 3 ins. 24 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.

from which

A Juniper 10 ins. diam. bears S. 32° E., 108 lks. dist. marked T. 10 N., R. 22 E., S., 22 B. T.

A Juniper 24 ins. diam. bears N. 88° W., 132 lks. dist. marked T. 10 N., R. 22 E., S., 16 B. T.

No other trees within limits.

Lana rolling.

Soil

3rd rate.

Timber of

Juniper.

Vegetation,

Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

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

Descend.

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

48.06 Cross Wash, 6 lks. wide, Course N. and ascend.

79.53 Intersect N. & S. line, 12 lks. North of cor. to secs.

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

N. $89^{\circ}55'$ W. on a true line between sections 15-22.Variation 13° East.

39.77 Set a Basalt stone $18 \times 14 \times 9$ 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.

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

Land rolling.

Soil 3rd rate

Timber of Pine and Juniper.

Vegetation, Bunchgrass.

Township

10 N;

Range

22 E;

Gila and Salt River Meridian.

Chains

5¹/₂
North, between Sections 15 and 16.

Variation

14° 10'

East.

Ascend. gradually

Settlement
Cross Road, bears,

N.E. and S.W.

20.90

23.00

40.00

Ascend.

Set a Basalt stone 19 x 10 x 9 ins., 14
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 18 x 10 x 8 ins. 12 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 rate

Vegetation, Bunchgrass.

Township

10 N.,

Range

22 E.,

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 10 and 15.

Variation

13° 45'

East.

Open rolling land.

11.60

Center Basin, bears N.W. & S.E.

40.00

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

79.76

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

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

S 89° 43' W. on a true line between sections 10-15,

Variation

13°

East

39.88

Set a

Basalt stone 15 x 10 x 5 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.

79.76

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

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

5 1/2
North, between Sections 9 and 10.

Variation 13° 45' East.

Ascend. gradually.

20.12 Top of Spur, bears N. 77° E. W. 57 1/2 W and descend.

28.12 Enter Basin, course East.

37.17 Leave same, course E. & ascend.

40.00 Set a Basalt stone 29 x 8 x 6 ins., 22 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 19 x 18 x 10 ins. 14 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.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 45'

East.

Descend. gradually.

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

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

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

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

Variation

13°

East

40.16

Set a Basalt stone 18 x 6 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.

80.31

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

Land rolling.

Soil

2nd

rate

Vegetation,

Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains ^{5 1/2} North, on a random line between Sections 3 and 4.
 Variation $13^{\circ}45'$ East.

Ascend. gradually

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

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

79.21 Intersect N. B. of Tp. 13 1/2 W. of cor. to secs.

34-33-34, which is a
 Basalt stone, $24 \times 13 \times 3$ ins.,
 set 18 ins. in the ground,
 marked with three notches
 on East and three notches
 on West edges, with mound
 of stone alongside,

from which corner, I run

S. $1^{\circ}17'$ on a true line, between sections 3-4.Variation $14^{\circ}50'$ East.

39.21 Set a Basalt stone $16 \times 8 \times 6$ ins.,
 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.

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

Land rolling.

Soil ^{2nd} rate

Timber of Juniper.

Vegetation Bunchgrass.

carefully examined the adjustments of my solar
 level-pole today and found a true correction March 9th 1893

Township 10 N., Range 22 E.,

Gila and Salt River Meridian.

From the corner to sections, ~~45, 32 & 33~~ ⁵⁻¹¹ previously set by me.Chains ⁵⁻¹¹ from North, between Sections 32 and 33.

Variation 13° 15' East.

Descend. gradually.

20.00 Cross Wash, 8 lks. wide, Course N.E. and ascend.

40.00 Set a Sand stone 16 x 8 x 6 ins.!!
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
face, and raised a mound of stone alongside. Pits
impracticable.A Yellow Pine 13 ins diam. bears S. 50° W., 95 lks. dist.
marked $\frac{1}{4}$ S. B. T. from which
No other trees within limits.

42.00 Top of Spur, bears N. 10° E. & S. 10° E. and descend.

80.00 Set a Sand stone 25 x 15 x 10 ins. 19 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.An Oak, 10 ins diam. bears S. 55° E., 25 lks. dist.
marked T. 10 N., R. 22 E., S., 33 B. T. from whichA Yellow Pine 15 ins diam. bears S. 80° W., 67 lks. dist.
marked T. 10 N., R. 22 E., S., 32 B. T.A Pine, 13 ins. diam. bears N. 61° W., 23 lks. dist.
marked T. 10 N., R. 22 E., S., 29 B. T.

No other trees within limits.

Land rolling.

Soil

2nd rate

Vegetation, Bunchgrass.

Heavy timber of Pine and Oak.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Ascend.

abruptly.

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

28.07 ~~Showlow~~ Cross Creek 40 lks. wide, Course N 15° W and ascend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

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

S. 84° 54' W. on a true line between sections 28-33.

Variation

13°

East

40.18 Set a Basalt stone 20 x 10 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.

80.35 The corner to sections 28-29-32-33.

Land rolling.

Soil $\frac{1}{2}$ 1st 2nd rate

Timber of Pine and Oak.

Vegetation, Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

5¹/₂ r,
North, between Sections 28 and 29.

Variation

13°

East.

Descend. gradually.

21.00 Cross Wash, 8 lks. wide, Course N. 80° E.

22.10 A log Cabin bears West, 125 lks. dist.

40.00 Set a Sand stone 17 x 10 x 6 ins.,
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W.
face, and raised a mound of stone alongside. Pits

impracticable.

45.12 ^{Showlow} Cross Creek 40 lks. wide, Course N. 13° W.

47.00 A log cabin bears West about 8 chodist.

64.00 ^{Showlow} Cross Creek 50 lks. wide, Course N. 12° E.

74.45 Cross Fence bears, N. 10° E. & S. 10° W.

76.65 Cross Road, bears, N. 7° E. & S. 7° W.

80.00 Set a Sand stone 30 x 14 x 9 ins. 22 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.

A Yellow Pine 7 ins diam. bears N. 42° E. 195 lks. dist.
marked T. 10 N., R. 22 E., S. 21 B. T.

A Yellow Pine 15 ins diam. bears S. 48° E., 54 lks. dist.
marked T. 10 N., R. 22 E., S. 28 B. T.

A Yellow Pine 15 ins diam. bears S. 53° W., 123 lks. dist.
marked T. 10 N., R. 22 E., S. 29 B. T.

A Yellow Pine 14 ins diam. bears N. 57° W., 85 lks. dist.
marked T. 10 N., R. 22 E., S. 20 B. T.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Heavy timber of Pine.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Descend. gradually

1.37 Cross Road, bears, N. 8° E. & S. 8° W.

1.87 Cross Fence bears, N. 12° E. & S. 12° W.

9.80 ^{Shooflow} Cross Creek 16 lks. wide, Course N. and ascend.

19.80 ~~Cross Creek~~ [^] bears N. 9° S. lks. dist.

40.00 Set temporary 1/4 Sec. Cor.

80.11 Intersect N. & S. line, 26 lks. North of cor. to secs.

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

N. 89° 49' W. on a true line between sections 21-28.

Variation 14° 30' East

40.06 Set a Basalt stone 20 x 14 x 6 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone alongside. Pits impracticable.

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

Land rolling.

Soil 3rd rate

Vegetation Bunchgrass.

Timber of Juniper.

Township 10 N, Range 22 E,

Gila and Salt River Meridian.

Chains

5th N.
North, between Sections 20 and 21.

Variation 13° East.

Ascend.

- 18.78 Top of Spur, bears E. 9 W, and descend.
- 29.90 Cross Road, bears, N. 26° W. and S. 26° E.
- 32.58 Cross Fence bears, N. 24° W. and S. 24° E. ^{center of field}
- 33.00 across Ditch, 8 lks. wide, runs N. 20° W.
- 40.00 Set a Sand stone 20 x 14 x 6 ins., 15 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 alongside. - Show this cor. Cooley's House bears N. 64° W. and Hewning's House bears N. 41° E.
- 54.75 Cross, Creek 14 lks. wide, Course N. W. and ascend.
- 69.85 Cross Fence bears, N. 41° W. and leave field
- 70.22 Cross Road, bears, N. 40° W. and S. 40° E.
- 80.00 Set a Basalt stone 18 x 12 x 9 ins. 12 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 this cor, Cooley's House bears S. 46 1/2° W. and Hewning's House bears S. 15° 15' E.

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 20'

East.

Ascend. gradually.

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

42.85 Cross Road to Cooley's Ranch, by N. 79 E. 7 S. 79 N.

79.88 Intersect N. & S. line. 38 lbs South of cor. to secs.

15/16-21-22 from which corner, I run

S. 89° 44' W. on a true line between sections 16-21.

Variation 14° 10' East

39.94 Set a Basalt stone 18 x 10 x 3 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.

79.88 The corner to sections 16-17-20-21.

Land rolling.

Soil

2nd

rate

Vegetation,

Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

5 1/2
North, between Sections 16 and 17.

Variation 13° 20' East.

Ascend. gradually.

40.00 Set a Basalt stone 19 x 13 x 8 ins., 14 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone alongside. Pits impracticable.

60.50 Descend. gradually.

80.00 Set a Basalt stone 24 x 10 x 8 ins. 18 ins. in the ground for Cor. to Secs. 8-9-16-17 marked with 4 notches on S. and 4 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°10'

East.

Ascend. gradually.

31.26

Descend. gradually.

40.00

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

41.00

Cross low Sag and ascend.

79.62

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

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

S. 89°51' W. on a true line between sections 9-16.

Variation

13°45'

East

39.81

Set a Basalt stone 34 x 16 x 9 ins., 25
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.

79.62

The corner to sections 8-9-16-17.

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township 10 N., Range 22 E.
 Gila and Salt River Meridian.

Chains

^{5th}
 North, between Sections 8 and 9.

Variation 13° 10' East.

Descend. gradually.

4.76 Ascend. gradually.

40.00 Set a Basalt stone 23 x 10 x 9 ins., 17
 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 21 x 13 x 9 ins. 16 ins. in
 the ground for Cor. to Secs. 4-5-8-9 marked
 with 5 notches on S. and 4 notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Timber of Juniper.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Descend. gradually.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.92 Intersect N. & S. line, 17 lks. ^{North} of cor. to secs.

3-4-9-10 from which corner, I run

N. 89° 53' W. on a true line between sections 4-9.

Variation 13° 45' East

39.96 Set a Basalt stone 14 x 13 x 9 ins., 11

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.

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

Land rolling.

Soil

3rd rate

Vegetation

Bunchgrass,

Timber of

Juniper.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

5¹/₂
North, on a random line between Sections 4 and 5.

Variation 13° 30' East.

Ascend. gradually.

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

78.72 Intersect N. B. of T_o. 20 ¹/₂ m. East of cor. to secs.

4-5-32-33, which is a Basalt stone, 24 x 9 x 9 ins, set 18 ins. in the ground, and marked with two notches on West and four notches on East edges, with mound of stone alongside, from which a Juniper 12 ins. dia. tree 1752 yr 165 lbs. dist, marked S. 11 N. R. 22 E. S. 32 P. S. from which corner, I run

S. 14° E., on a true line, between sections 4-5. Variation 12° 30' East.

38.72 Set a Basalt stone 16 x 14 x 10 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.

78.72 The corner to sections 4-5-8-9

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

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

March 10th 1883.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

From the corner to sections, S. 6. 31 & 32, ^{5 N.} previously set by me.

Chains ¹ ~~run~~ North, between Sections 31 and 32.

Variation 13° 15' East.

Ascend.

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

40.00 Set a Sand stone 16 x 10 x 6 ins. 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. Pits impracticable.

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

80.00 Set a Sand stone 25 x 18 x 7 ins. 19 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.

A Cedar, 14 ins diam. bears N. 38° E, 55 lks. dist. from which marked T. 10 N. R. 22 E, S., 29 B. T.

A Yellow Pine 16 ins diam. bears S. 40° E, 54 lks. dist. marked T. 10 N., R. 22 E, S., B. T.

A Pini 10 ins, diam, bears N. 50° W., 34 lks, dist, marked T. 10 N., R. 22 E, S., 30 B. T.

No other trees within limits.

This corner is on

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

Land rolling.

Soil 2nd rate

Timber of Pine & Oak.

Vegetation, Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Descend. gradually.

13.50 Cross Wash, 40 lks. wide, Course N. 10 E, and ascend.

14.00 Cross Road, bears, N. & S.

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

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

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

66.50 Rancher's Cross Road, bears N. E. & S. W.

67.60 Cross Wash, 45 lks. wide, Course N. E, and ascend.

79.71 Intersect N. & S. line, $\frac{1}{2}$ lks South of cor. to secs.

28-29-32-33 from which corner, I run

S. 89° 57' W. on a true line between sections 29-32.

Variation

13°

East

39.86 Set a Lava 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.

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

Land rolling.

Soil 2nd rate

Timber of Pine and Juniper.

Vegetation, Bunchgrass.

Township 10 N, Range 22 E,
 Gila and Salt River Meridian.

Chains

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

Variation 13° East.

Descend. gradually.

30.25 Cross Wash, 100 lks. wide, Course *N.E.*, and ascend.

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

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

60.00 Cross Wash, 100 lks. wide, Course *S.E.*, and ascend.

78.40 Intersect *N.B.* of Tp. 43 lks. *North* of cor. to secs.
previously set by me.

25-30-31-36 from which corner, I run
 $N.89^{\circ}42'E$, on a true line, between sections 30-31.

Variation $13^{\circ}30'$ East.

38.40 Set a *Sand* stone $14 \times 6 \times 4$ 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.

from which

A Yellow Pine 14 ins diam. bears $N.40^{\circ}W$, 45 lks. dist.
 marked $\frac{1}{4}$ S. B. T.

A Yellow Pine 16 ins diam. bears *S.E.*, 63 lks. dist.
 marked $\frac{1}{4}$ S. B. T.

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

Land rolling.

Soil *2nd* rate

Vegetation, *Bunchgrass.*

Timber of *Pine, Juniper & Cedar.*

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

North, ^{5th} between Sections 29 and 30.

Variation

13°

East.

Descend.

440.00 Set a Sand stone 30 x 14 x 5 ins., 22 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable.

A Yellow Pine 11 ins diam. bears N. 63° W, 80 lks. dist. marked $\frac{1}{4}$ S. B. T. from which

A Yellow Pine 14 ins diam. bears S. 27° E, 42 lks. dist. marked $\frac{1}{4}$ S. B. T.

730.00 Cross Wash, 7 lks. wide, Course East and ascend.

80.00 Set a Sand stone 24 x 11 x 10 ins. 18 ins. in the ground for Cor. to Secs. 19-20-29-30 marked with 2 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

A Yellow Pine 8 ins diam. bears N. 18° E, 86 lks. dist. marked T. 10 N. R. 22 E, S., 20 B. T. from which

A Yellow Pine 13 ins diam. bears S. 54° E, 88 lks. dist. marked T. 10 N, R. 22 E, S., 29 B. T.

A Yellow Pine 12 ins diam. bears S. W, 173 lks. dist. marked T. 10 N, R. 22 E, S., 30 B. T.

A Yellow Pine 8 ins diam. bears N. 54° W, 124 lks. dist. marked T. 10 N, R. 22 E, S., 19 B. T.

Land rolling

Soil

2nd

rate Heavy timber of

Pine.

Vegetation,

Bunchgrass

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Descend.

21.80 across Garden spot.

24.40 Cross Wash, 6 lks. wide, Course N. 11° E.

27.57 Cross Road, from Snowflake to Apache, bears N. 12° E. & S. 12° W.

40.00 Set temporary 1/4 Sec. Cor.

75.38 Cross Road, N. 50° E. & S. 50° W.

79.95 Intersect N. & S. line, 47 lks. South of cor. to sec.

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

S. 89° 40' W. on a true line between sections 20-29.

Variation

13°

East

39.98 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 23 ins diam. bears S. 2° E., 216 lks. dist. marked 1/4 S. B. T.

A Yellow Pine 5 ins diam. bears S. 6° W., 144 lks. dist. marked 1/4 S. B. T.

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

Land rolling.

Soil

3rd rate

Timber of

Pine,

Vegetation,

Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Ascend.

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

40.00 Set temporary 1/4 Sec. Cor.

50.00 Cross Road, bears N. 15° E. & S. 15° W.

78.08 Intersect N.B. of Tp. 16 1/2 mls. South of cor. to secs. previously set by me.

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

77.89 53' E, on a true line, between sections 19-30,

Variation 13° 36' East.

78.08 Set a Sand stone 17 x 10 x 6 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 White Oak 8 ins. diam. bears S. 46° W, 49 mls. dist. marked 1/4 S. B. T.

A Yellow Pine 10 ins diam. bears N. 62° W, 53 mls. dist. marked 1/4 S. B. T.

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

Land mountainous.

Soil 3rd rate

Timber of Pine, Oak & Juniper.

Vegetation, Bunchgrass.

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

North ^{5 1/2 ft.} between Sections 19 and 20.

Variation

13°

East.

Ascend.

40.00 Set a Sand stone 20 x 18 x 4 ins, 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. Pits impracticable.

A Yellow Pine 16 ins diam. bears N. 70° W, 28 lks. dist. marked 1/4 S. B. T. from which No other trees within limits.

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

75.80 Cross Road, bears, N. 70° E. & S. 70° W.

79.13 Cross Road, bears, N. 10° W. & S. 10° E.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 17-18-19-20, marked T, 10 N, S, 17, on N, E, R, 22 E, S, 20 on S, E, S, 19 on S, W, and S, 18 on N, W, face with 3 notches on S, and 5 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.

A Yellow Pine 15 ins diam. bears N. 85° E, 125 lks. dist. marked T, 10 N, R, 22 E, S, 17 B. T. from which

A Yellow Pine 16 ins diam. bears S. 20° E, 73 lks. dist. marked T, 10 N, R, 22 E, S, 20 B. T.

A Yellow Pine 18 ins diam. bears N. 89° W, 68 lks. dist. marked T, 10 N, R, 22 E, S, 18 B. T.

No other trees within limits.

Land mountainous.

Soil

2nd ^{rate} ^{Heavy} Timber of Pine.

Vegetation,

Bunchgrass

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 31'

East.

Ascend.

- 16.12 Top of Spur, bears N. 14° E. of S. 10 1/2 W. and descend.
 to Cooley's Ranch N. & S.
 30.81 Cross Road, bears
 31.40 across Cooley's Ranch fence, tw. N. & S.
 40.00 Set temporary 1/4 Sec. Cor.
 51.20 Snowlaw 18
 Cross Creek 18 lks. wide, Course North and ascend.
 56.10 Leave Farm.
 80.32 Intersect N. & S. line, 14 lks. North of cor. to secs.
 16-17-20-21 from which corner, I run
 N 89° 54' W. on a true line between sections 17-20,
 Variation 13° 20' East
 40.16 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.
 80.32 The corner to sections 17-18-19-20.
 Land rolling.
 Soil 1st & 2nd rate
 Vegetation, Bunchgrass.
 Timber of Pine.

Township

10 N,

Range

22 E,

Gila and Salt River Meridia

Chains

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

Variation

13° 31'

East.

Ascend. gradually.

78

Cross Road, bears,

N. 10° W. 70.10 E.

40.00

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

78.46

Intersect N. B. of Twp. 39 1ks. N. of cor. to secs. previously set by me.

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

N. 89° 43' E, on a true line, between sections 18-19.

Variation

13°

East.

38.46

Set a

Sand stone 16 x 8 x 6 ins.!!

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

face, and raised a mound of stone alongside.

Pits

impracticable.

78.46

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

Land level & rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

10 N.

Range

22 E.

Gila and Salt River Meridian.

Chains

5¹/₂ N.
North, between Sections 17 and 18.

Variation

13° 31'

East.

Descend.

25.60 x Yellow Pine 25 ins diam.

10.00 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.

16.00 ^{Coolley's} Cross Fence bears, N. 20° E. & S. 20° W.

30.00 Set a Basalt stone 21 x 16 x 8 ins. 16 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 2nd rate

Vegetation, Bunchgrass.

Township

10 N.,

Range

22 E.

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Descend. gradually.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.46.71 ^{Showlow} Cross Creek $2\frac{1}{2}$ lks. wide, Course $85^{\circ} W$ and ascend.

79.87 Intersect N. & S. line, 30 lks. South of cor. to secs. 8-9-16-17 from which corner, I run

S. 89° 47' W. on a true line between sections 8-17.

Variation

13° 10' East

39.94 Set a Basalt stone 19 x 18 x 10 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.

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

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.

March 12th 1883

Township

10 N,

Range

22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°

East.

Descend. gradually.

40.00

Set temporary 1/4 Sec. Cor.

44.00

C. Whipple's Ranch bears N. 72° W.

78.34

Intersect N. B. of Twp. 41 1/2 m. N. of cor. to sec. previously set by me.

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

N. 89° 42' E, on a true line, between sections 7-18.

Variation

13°

East.

38.34

Set a Basalt stone 49 x 48 x 27 ins., 37

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

face, and raised a mound of stone alongside.

Pits

impracticable.

78.34

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

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

10 N;

Range

22 E;

Gila and Salt River Meridi:

Chains

5¹¹/₁₆ N,
North, between Sections 7 and 8.

Variation

13°

East.

Descend. gradually.

20.65 Cross Creek ^{Show the} 22 fms. wide, Course N, and ascend.40.00 Set a Basalt stone 17 x 10 x 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 Basalt stone 20 x 8 x 6 ins. 15 ins. in the ground for Cor. to Secs. 5-6-7-8 marked with J notch on S. and J notch 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

22 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 25'

East.

Descend.

34.92 Cross Wash, 8 fks. wide, Course South and ascend. gradual

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

80.10 Intersect N. & S. line, 35 fks. South of cor. to secs.

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

S. 89° 45' W. on a true line between sections 5-8.

Variation

13° 30'

East

44.05 Set a Basalt stone 23 x 11 x 6 ins., 17
 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.

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

Land rolling.

Soil

3rd rate

Vegetation

Bunchgrass.

Timber of

Juniper.

Township

10 N.

Range

22 E.

Gila and Salt River Meridi

Chains

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

Variation $13^{\circ} 25'$ East.*Ascend. gradually.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.78.08 Intersect N.B. of Tⁿ. 30 *Wks.* North of cor. to secs.*previously set by me.*
16-7-12 from which corner, I runN. 89 $^{\circ}$ 47' E, on a true line, between sections 6-7.Variation 13° East.38.08 Set a Basalt 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.

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

Land rolling.

Soil 2nd rate

Vegetation, Bunchgrass.

Township 10 N, Range 22 E,

Gila and Salt River Meridian.

Chains North ^{5 1/2 N} on a random line between Sections 5 and 6.
Variation 13° 25' East.

Ascend.

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

40.00 Set temporary 1/4 Sec. Cor.

78.48 Intersect N. B. of Tp. 11 ¹¹ lks. East of cor. to secs. 5-6-31-32, which is a Basalt stone, 24 x 10 x 7 ins, ^{set} 18 in. in the ground marked with notch on N. and 5 notches on E. edges, with mound of stone alongside, from which
A Juniper, 16 ins. dia, ho. N. 57 N. 232 lbs. dist, marked S. 11 N. R. 22 E. S. 31 B. I.
A Juniper, 34 ins. dia, ho. N. 14 E. 175 lbs. dist, marked S. 11 N. R. 22 E. S. 32 B. I. from which corner, I run

S. 10° E, on a true line, between sections 5-6.

Variation 13° East.

78.48 Set a Basalt stone 14 x 6 x 4 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone alongside. Pits impracticable.

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

Land mountainous

Soil 2nd rate

Timber of Juniper.

Vegetation, Bunchgrass.

March 13th 1883

BOOK 77
GENERAL DESCRIPTION.

The general character of the land in this Township is rolling, the southern and western parts only being mountainous.

The Oak Cedar and Juniper timber abounds, the former reaching a heavy growth in some portions of the Tp.

The soil varies from 1st to 3rd rate.

Showlow Creek flows through the western part, furnishing a good supply of water.

A considerable portion of the land is valuable for grazing and agricultural purposes.

A fine Ranch with saw mill, store, residences, and other buildings, the property of Cooley and Hewning, is situated in Secs. 20-21.

For final notes see
book No. 19

U. S. Surveyor General's Office,

Tucson, Arizona, June 17, 1884,

The foregoing Field Notes of the Survey of the

Subdivision Lines of
 Township 10 North
 Range 22 East.

Of the Gila and Salt River Base and Meridian, Arizona, executed by

O. D. Wheeler

Deputy Surveyor, under his contract of the

17th,

day of

July

, 1884, having been

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

Royal A. Johnson
 Surveyor General.