

No. Sketch ~~Book No. 11~~

BOOK 268

copy at

H. A. Cor, Deputy Surveyor.

17 North, R. 23 East,

Gila and Salt River Meridian.

No-268

FIELD NOTES

BOOK 268

OF

THE SUBDIVISION LINES OF

Township 17 N, Range 23 E,

Gila and Salt River Meridian.

BY

H. A. Cor, Deputy Surveyor.

Under his Contract of July 25, 1882,

Survey Commenced Mar. 17, 1883.

Survey Completed Mar. 24, 1883.

No-268

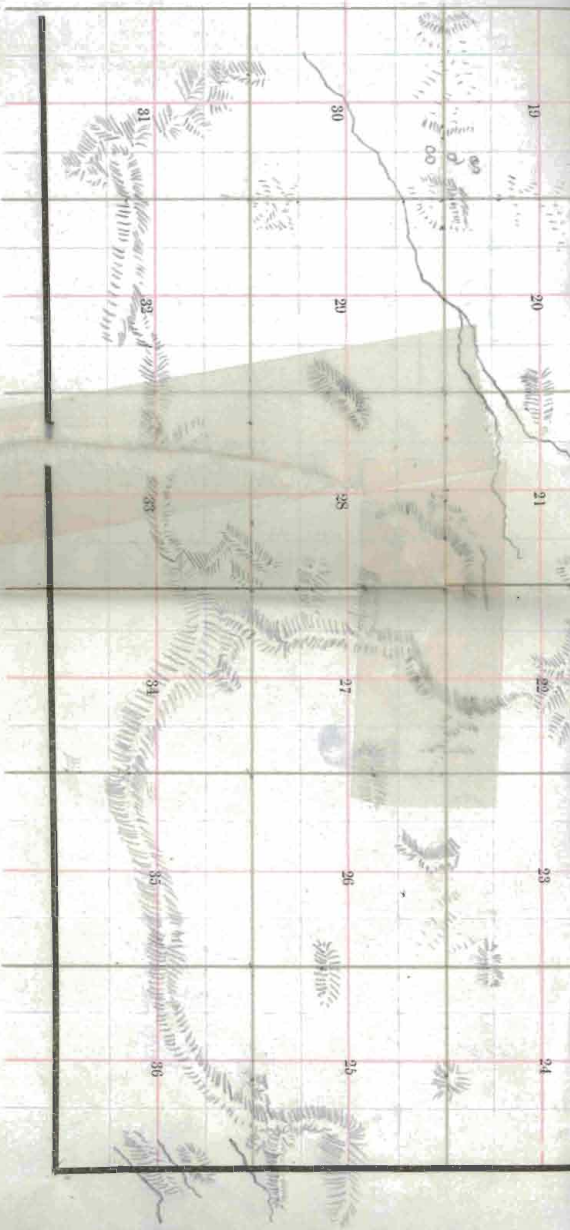
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268



TOWNSHIP PLOT.

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

Office Work.

BOOK 268

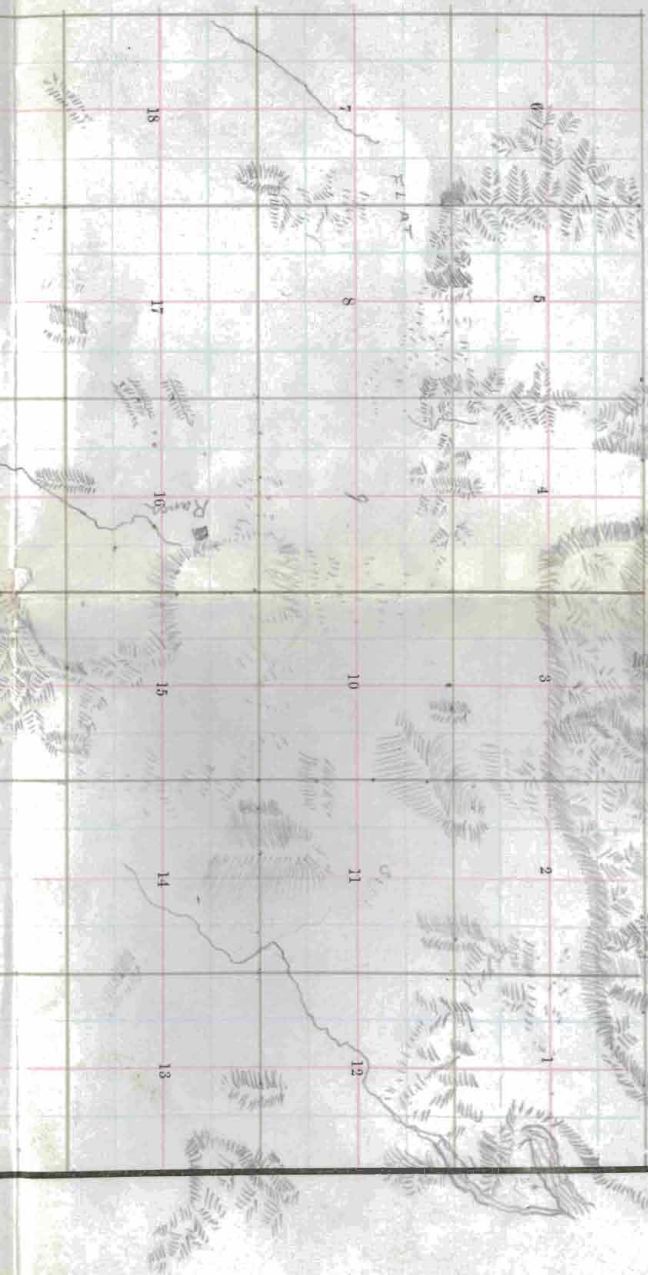
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Township No. 17 N. Range No. 22 E. 6th 2nd Meridian.

1

BOOK 268



1A

Township 17 North, Range 23 East,
Gila and Salt River Meridian.

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

OK.

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Township

Range

Meridian.

No-268

For preliminary notes
and description of instrument
used in book No. 1.

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

10 Township

17 North, Range 23 East,

Gila and Salt River Meridian.

Chains

Standard

From the corner to Sections 35, 36, ~~1 and 2~~ on the South boundary, *Sp*

which is a Sandstone, 14 x 10 x 4 ins.,
set 9 ins. in the ground, marked
S.C. with one notch on E. and
5 notches on N. edges, pits, 18 x 18 x
12 ins. N.E. & W. of Stone, 5 1/2 ft. dist.,
and mound of earth, 2 ft. high,
4 1/2 ft. base alongside, Iron

4' E.
North between sections 35 - 36.

Variation 73° 47' East.

Ascend.

22.00 Summit of Divide bet. Little Colorado &
Pi Puerco Rivers, bears E. & W.

40.00 Set a Sand stone 13 x 10 x 8 ins., 9 ins.
in the ground, for 1/2 Sec. Cor., marked 1/2 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.

80.00 Set a Sand stone 14 x 12 x 10 ins. 9 ins.
in the ground for Cor. to Secs. 25-26-35-36 marked
with / notch on S. and / notch on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and
raised a mound of earth 2 ft. high, 4 1/2 ft. base. alongside.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N;

Range

23 E;

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

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

56.00 Across Divide bet. Little Colorado & Rio Puerco Rivers, bears N. & S. and descend.

80.17 Intersect E. B. of Tp. 14 N. of cor. to secs. ^{previously set by me.}
25-30-31-36 from which corner, I run

N. 89°54' W. a true line, between sections 25-36.

Variation

13°47' East.

40.09 Set a Sand stone 14 x 12 x 10 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.

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

Land rolling.

Soil *37A* rate

Vegetation, Bunchgrass.

Township

17N,

Range

23E,

Gila and Salt River Meridian.

Chains

North, ^{11' E.} between Sections 25 and 26.

Variation

13°44'

East.

Over rolling land.

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

110.00 Set a Sand stone $12 \times 10 \times 8$ ins. $\frac{1}{8}$ ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W 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 Sand stone $20 \times 10 \times 10$ ins. 15 ins.
 in the ground for Cor. to Secs 23-24-25-26 marked
 with 2 notches 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 2nd & 3rd rate

Vegetation, Bunchgrass,

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Over rolling land.

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

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

79.90 Intersect E. B. of T_r 36 ^{previously set by me.} of cor. to secs.

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

789' 45" N on a true line, between sections 24-25,

Variation 13° 47' East.

39.95 Set a sand stone 12x10x8 ins., 8 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N face,
dug pits 18x18x12 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.

79.90 The corner to sections 23-24-25-26,

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

4⁶/₁
North, between Sections 23 and 24.

Variation

13° 47'

East.

Over rolling land.

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

40.00 Set a Sand stone 10 x 8 x 6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N 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.

80.00 Set a Sand stone 20 x 12 x 6 ins. 5 ins. in the ground for Cor. to Secs. 13-14-23-24 marked with 3 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base. alongside.

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.82 Intersect C. B. of Twp. S lks. South of cor. to secs.
previously set by me.

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

S. 89°54' W on a true line, between sections 13-24.

Variation

13°47' East.

39.91

Set a Sand stone 10 x 10 x 6 ins., 7 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 $3\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside.

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

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

North, ^{4' E} between Sections 13 and 14.

Variation

13° 47'

East.

Ascend.

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

40.00 Set a Sand stone 13 x 12 x 8 ins., 9 ins.
 in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W face,
 dug pits 18 x 18 x 12 ins., N and S. of stone $3\frac{1}{2}$
 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 Sand stone 17 x 12 x 5 ins. 11 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. alongside.

Land hilly.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Ascend.

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

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

79.96 Intersect E. B. of Tp. 25 lks. South of cor. to sec.
previously set by me.7-12-13-18 from which corner, I run
S. 89° 49' W on a true line, between sections 12-13.

Variation 13° 47' East.

39.98 Set a Sand stone 14 x 10 x 8 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.

79.96 The corner to sections 11-12-13-14,

Land hilly.

Soil

3rd rate

Vegetation,

Bunchgrass.

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

Mar. 17, 1883.

Township

17N,

Range

23E,

Gila and Salt River Meridian.

Chains

4' 6"
North, between Sections 11 and 12.

Variation

13° 47'

East.

Ascend. gradually.

12.00 Cross Wash, 120 yds. wide, Course N. 53° E.

40.00 Set a Sand stone 10 x 10 x 8 ins., 7 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 Sand stone 20 x 10 x 8 ins. 15 ins. in the ground for Cor. to Secs. 1-2-11-12 marked with 5 notches on S. and 1 notch on E. edges, 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 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.S0.31 Intersect E. B. of Tp. 34 lks Mark of cor. to secs.
previously set by me.

16-7-12 from which corner, I run

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

Variation 13° 47' East.

40.16 Set a Sand stone 10 x 8 x 5 ins., 7 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.

S0.31 The corner to sections 1-2-11-12,

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

11 Township 17 N., Range 23 E.
Gila and Salt River Meridian.

Chains

¹⁴/₈
North on a random line between Sections 1 and 2.

Variation 13° 47' East.

Ascend.

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

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

So. 48 Intersect N. B. of Tp. 15 1/2 mls West of cor. to secs.

1-2-35-36, which is a
Sandstone, 20 x 20 x 12 ins.,
set 15 inches in the ground,
marked with 1 notch on E. and
5 notches on N. edges with
mound of stone alongside,

from which corner, I run

S. 10° N. on a true line, between sections 1-2.

Variation 14° 45' East.

40.48 Set a Sand stone 10 x 8 x 4 ins.,

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

face, and raised a mound of stone alongside. Pits

impracticable.

So. 48 The corner to sections 1-2-11-12.

Land hilly.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N.,

Range

23 E.,

Gila and Salt River Meridian.

Chains

Standard
From the corner to sections, 34-35 on the
South boundary of Township,
which is a Flint stone, 16 x 12
x 6 ins. set 11 ins. in the ground,
marked S.C. with 2 notches
on East and four notches
on West edges, with mound
of stone alongside,

14' E
North between sections 34-35.

Variation 13° 47' East.

Ascend. over broken country.

30.00

Top of Divide bet. Little Colorado
& Rio Puerco Rivers, bet. E. & W. & descend
over rolling land.

40.00

Set a Sand stone 14 x 10 x 2 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., 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 Sand stone 20 x 12 x 8 ins. 15 ins.
in the ground for Cor. to Secs. 26-27-34-35 marked
with / notch on S. and 2 notches on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling. & mountainous,

Soil 3rd rate

Vegetation.

Bunchgrass.

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Descend. gradually.

40.00

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

79.73

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

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

S 89° 55' W. on a true line between sections 26-35.

Variation

13° 47'

East

39.87

Set a Sand stone $12 \times 10 \times 8$ ins., 8 ins.in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,Dig 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.

79.73

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

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township

17 N, Range 23 E,

Gila and Salt River Meridian.

Chains

4th E,
North, between Sections 26 and 27.

Variation 13° 47' East.

Over rolling land.

40.00 Set a Sand stone 12 x 10 x 8 ins., 8 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.

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

80.00 Set a Sand stone 12 x 10 x 8 ins. 8 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., $5\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Over rolling land.

33.00

Foot of bluff, to N.W. cor. and ascend

35.00

Top of same bears same, thence over Prairie

40.00

Set temporary 1/4 Sec. Cor.

St. 21

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

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

N 89° 50' W. on a true line between sections 23-26.

Variation

13° 47'

East

40.11

Set a Sand stone 18 x 16 x 14 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.

St. 21

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

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

North, ⁴⁸⁷ between Sections 22 and 23.

Variation

13° 47'

East.

Over rolling land.

40.00 Set a Sand stone $12 \times 10 \times 2$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W face, dug pits $18 \times 18 \times 12$ ins., 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 Sand stone $12 \times 2 \times 8$ ins. 8 ins. in the ground for Cor. to Secs. 14-15-22-23 marked with Snitches on S. and Snitches 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

3rd rate

Vegetation,

Bunchgrass.

Township

17N.

Range

23E.

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

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

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

80.14 Intersect N. & S. line, 19 lks South of cor. to seas.

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

S. 89° 52' W. on a true line between sections 14-23.

Variation

13°47'

East

40.07 Set a Sand stone 18 x 12 x 2 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.

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

Land rolling.

Soil 3rd rate

Vegetation, Pinchgrass.

Mar. 19, 1883.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

40.00
North, between Sections 14 and 15.

Variation

13° 47'

East.

Descend. gradually.

40.00

Set a Sand stone $14 \times 10 \times 2$ ins., 9 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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 Sand stone $20 \times 10 \times 3$ ins. 13 ins. in the ground for Cor. to Secs. 10-11-14-15 marked with 4 notches on S. and 2 notch es 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

3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Descend. gradually.

16.00

Top of Hill, bearing N. & S. and ascend

30.00

Top of Hill bears same and descend.

40.00

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

72.70

Cross Wash, 100 lks. wide, Course N.W. and ascend.

79.88

*Intersect N. & S. line, 10 lks South of cor. to secs.**11-12-13-14 from which corner, I run**S 89° 56' W. on a true line between sections 11-14.*

Variation

13° 47'

East

39.44

*Set a same stone 12 x 10 x 6 ins., 8 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.*

79.88

*The corner to sections 10-11-14-15.**Land hilly.**Soil**3rd rate**Vegetation,**Bunchgrass.*

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

4¹/₂ North, between Sections 10 and 11.

Variation

13° 47'

East.

Ascend.

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

33.00 Enter Sag, bears E. & W.

40.00 Set a Sand stone 12 x 10 x 4 ins., 8 ins. in the ground, for $\frac{1}{2}$ 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.

45.50 Leave Sag, br. E & W, and ascend

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

80.00 Set a Sand stone 14 x 10 x 4 ins. 9 ins. in the ground for Cor. to Secs. 2-3-10-11 marked with 5 notch es on S. and 2 notch es on E. es, 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 hilly.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 49'

East.

Ascend.

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

26.41 Cross low Sag and ascend.

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

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

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

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

N. 89° 53' W. on a true line between sections 2-11,

Variation

13° 47'

East

39.84 Set a Sand stone 12 x 10 x 8 ins., 8 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.

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

Land mountainous.

Soil *3rd* " *rats*Vegetation, *Bunchgrass.*

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 47' East.

Descend.

11.00 Cross low Sag and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.P.O. 13 Intersect N. B. of Tp. 12 $\frac{1}{2}$ mls. East of cor. to secs.

2 - 3 - 34 - 35, which is a Sandstone, 20 x 10 x 10 ins., marked with two notches on East and four notches on West edges, set 15 inches in the ground, and with mound of straw alongside,

from which corner, I run

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

Variation 14° 45' East.

40.13 Set a Sand stone 13 x 12 x 10 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., 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. and descend

P.O. 13 The corner to sections 2 - 3 - 10 - 11.

Land rolling

Soil 3rd rate

Vegetation, Bunchgrass.

23 Township

17 N.,

Range

23 E.,

Gila and Salt River Meridian.

Chains

Standard

From the corner to sections, 33-34 on S.P. of 1/4,
 which is a post, 4 in square, set
 firmly in the ground marked S.C.
 T. 17 N. R. 23 E. on N. S. 34 on E. & S. 33
 on N. faces, with 3 notches on E.
 and N. faces, pits, 18 x 15 x 12 in.
 N. E. & W. of post, 5 1/2 ft. dist., and
 mound of earth, 2 ft. high
 4 1/2 ft. base around post, run
 North between sections 33-34.

Variation 13° 48' East.

Over rolling land, ascending gradually.

40.00

Set a Sand stone 3 x 16 x 6 ins., 9 ins.
 in the ground, for 1/4 Sec. Cor., marked 1/4 on N 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.

53.00

Summit of Divide bet. Little Colorado
 and Rio Puerco Rivers bet. N. 63° E. & S. 63° W.

80.00

Set a piece of petrified Pine 22 x 12 ins. 12 ins. in
 the ground for Cor. to S. 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 3rd rate

Vegetation, Bunchgrass.

Township

17N,

Range

23E,

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

Ascend.

17.00 Top of Ridge, bears N. 63° E. & S. 63° W. and descend.

40.00 Enter Valley, bears N. & S. and

~~40.00~~ Set temporary $\frac{1}{4}$ Sec. Cor.79.42 Intersect N. & S. line, 28 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°47' East

39.46 Set a Sand stone 12 x 10 x 10 ins., 8" 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.

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

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

4⁶/₁₀
North between Sections 27 and 28.

Variation

13° 47'

East.

Descend. gradually.

20.00 Ascend.

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

34.00 Cross low Sag and ascend.

40.00 Set a piece of petrified Pine 25 x 10 x 10 ins., 19 ins. in the ground, for $\frac{1}{2}$ Sec. or., marked $\frac{1}{2}$ on W face, dug pits 18 x 18 x 12 ins., N. & S. of stone $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.

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

80.00 Set a Sand stone 18 x 10 x 8 ins. / 2 ins. in the ground for Cor. to Secs. 21-22-24-25 marked with 2 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base. alongside.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.56.00 *Ascend.*58.50 Top of *Bluff* bears N.E. & S.W. and descend80.06 Intersect N. & S. line, 13 lks South of cor. to secs.
22-23-26-27 from which corner, I run

289° 54' W. on a true line between sections 22-27,

Variation

13° 47' East

40.03 Set a Sand stone $12 \times 12 \times 10$ ins., 8 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.

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

Land rolling.

Soil

3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

4⁶/₁₀
North, between Sections 21 and 22.

Variation

13° 47'

East.

Over rolling land, ascending gradually.

8.00 Descend.

19.00 Cross Wash, 15 fks. wide, Course West and ascend.

40.00 Set a Sand stone $13 \times 10 \times 8$ ins., 9 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N face, dug pits $18 \times 18 \times 12$ ins., 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.

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

80.00 Set a Sand stone $15 \times 10 \times 8$ 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, 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 2nd & 3rd rate

Vegetation, Bunchgrass

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

Mar. 20, 1883.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

Over rolling land.

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

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

75.00 Cross low Sag and ascend.

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

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

0.59' 58" W. on a true line between sections 15-22,

Variation

13°47' East

40.15 Set a Sand stone $14 \times 8 \times 3$ ins., 9 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.

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

Land rolling.

Soil 2nd & 3rd rate

Vegetation Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

^{4' E}
 North, between Sections 15 and 16.

Variation

13° 44'

East.

Ascend. gradually.

40.00

Set a Sand stone 10 x 8 x 6 ins. 7 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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.

45.00

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

58.00

Samara's Ranch bears West 22.15 chs. dist.

80.00

Set a Sand stone 20 x 10 x 2 ins. 15 ins. in the ground for Cor. to Secs. 9-10-15-16 marked with 4 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land hilly.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

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

S.C. 11 Intersect N. & S. line, 18 lks. North of cor. to seas.

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

N 89° 52' W. on a true line between sections 10-15.

Variation 13° 47' East

40.06 Set a Sand stone $14 \times 10 \times 8$ ins., 9 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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. on

Top of Spur, bears 51 E and S.W. and descend.

S.C. 11 The corner to sections 9-10-15-16.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

North ^{4' E} between Sections 9 and 10.

Variation

13° 47'

East.

Descend gradually.

20.00 Cross low Sag and ascend gradually.

40.00 Set a Sand stone $10 \times 8 \times 5$ ins., $\frac{7}{8}$ ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W face, dug pits $18 \times 18 \times 12$ ins., Nord 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 Sand stone $12 \times 10 \times 4$ ins. 8 ins. in the ground for Cor. to Secs. 3-4-9-10 marked with 5 notches on S. and 3 notches 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 3rd rate

Vegetation, Bunchgrass.

Township

17 N., Range 23 E.,

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ}47'$ East.*Ascend. gradually.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

50.00 Top of Knoll, bears N. & S. & descend.

69.50 Cross low Sag and ascend.

79.94 Intersect N. & S. line. 21 lks South of cor. to secs.
2-3-10-11 from which corner, I run $S89^{\circ}51'W.$ on a true line between sections 3-10,Variation $13^{\circ}47'$ East39.97 Set a Sand stone $13 \times 12 \times 8$ ins., 9 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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.

79.94 The corner to sections 3-4-9-10,

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17N,

Range

23E,

Gila and Salt River Meridian.

Chains

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

Variation 13° 47' East.

Ascend. gradually,

39.00 Descend into broken country.

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

80.27 Intersect N.B. of Tp. 33 1/2 ls. East of cor. to secs.

3-4-33-34,

which is a Sandstone 16 x 12 x 8 ins., set 11 inches in the ground, marked with four notches on East and three notches on West edges, and mound of stone alongside,

from which corner, I run

S. 10' E., on a true line, between sections 3-4.

Variation 14° 45' East.

40.27 Set a Sand stone 24 x 15 x 4 ins., 19 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.

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

Land rolling and broken.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

Standard
From the corner to sections 32-33 on S.P. of T₁,
which is a Flint stone, 18x12x6 ins.,
set 12 ins. in the ground, marked S.C.
with 4 notches on East and 2
notches on N. edges, with pits,
18x18x12 ins., N. E. & W. of stone
5 1/2 ft. dist, and mound of earth
2 ft. high 4 1/2 ft. base around
post Iron

North between sections 32 - 33.

Variation 13° 1/4 East.

Over rolling land. and

Ascending gradually.

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

~~40.00~~ Set a Sand stone 12x10x6 ins., 8 ins.
in the ground, for 1/4 Sec. Cor., marked 1/4 on N face,
dug pits 18x18x12 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.

61.00 Enter Valley, bears E. & W.

80.00 Set a Sand stone 15x6x6 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,
dug pits 18x18x12 ins. in each Sec., 5 1/2 ft. dist. and
raised a mound of earth 2 ft. high, 4 1/2 ft. base. alongside.
Land rolling.

Soil 3rd grade

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains East, on a random line between Sections 28 and 33.
Variation $13^{\circ}47'$ East.

Over rolling land.

14.00 Ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.64.00 Top of Spur, bears $N.47^{\circ}E. 9.847$ and descend.

67.00 Cross low Sag and ascend.

80.43 Intersect N. & S. line, 19 *lbs* sink of cor. to secs.

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

 $S.89^{\circ}52'W.$ on a true line between sections 28-33.Variation $13^{\circ}47'$ East

40.22 Set a *Sand* stone $15 \times 10 \times 10$ ins., 10 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.

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

Land rolling.

Soil 3rd rateVegetation, *Bunchgrass*.

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

4.6
North, between Sections 28 and 29.

Variation

13° 47'

East.

Over Valley

34.00 Leave Valley, bears N.E. & S.W. and ascend.

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

40.00 Set a Sand stone $15 \times 10 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W 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.

40.17 ^{Continue} Descend into Valley bears N.E. and S.W.

80.00 Set a Sand stone $12 \times 10 \times 6$ ins. 8 ins. in the ground for Cor. to Secs. 20-21-28-29 marked with 2 notches on S. and 4 notches 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 2nd & 3rd rate

Vegetation, Pinegrass.

Mar. 21, 1883.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

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

43.00 Leave Valley, bears N. & S. and ascend.

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

79.98 Intersect N. & S. line, 35 *Wks* South of cor. to secs.

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

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

Variation

13° 47' East

39.94 Set a Sand stone 16 x 7 x 7 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., 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.

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

*Land level. and mountainous.*Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

4' E.
North, between Sections 20 and 21.

Variation

13° 44'

East.

Over level land

- 8.70 Cross Wash, 6 lks. wide, Course S.W.
- 10.30 Cross Wash, 12 lks. wide, Course S.W.
- 36.00 Leave Valley, bears N.E. W. S.W. and ascends.
- 40.00 Set a *Sand* stone 12 x 10 x 5 ins., 8 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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 *Sara* stone 15 x 8 x 8 ins. 10 ins. in the ground for Cor. to Secs. 16-17-20-21 marked with 3 notches on S. and 4 notches on E. edges, 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 level. & rolling.
- Soil 2nd & 3rd rate
- Vegetation, *Bunchgrass.*

Township

17 N.,

Range

23 E.,

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

Over rolling land.

6.00 Ascend. gradually.

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

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

44.74 Cross Wash, 20 fms. wide, Course South and ascend.

70.00 Top of Spur, bears N. 40° E. N. 50° W. Over rolling land.

74.67 Intersect N. & S. line, 16 fms. North of cor. to secs.

1516-21-22 from which corner, I run

N 89° 53' W. on a true line between sections 16-21.

Variation

13°47' East

39.84 Set a Sand stone 12 x 10 x 8 ins., 8 ins.

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

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

Land rolling & mountainous.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

North, ^{14' E,} between Sections 16 and 17.

Variation

13° 47'

East.

Ascend gradually.

33.00

Center Sag bears N.E. of S.W.

40.00

Set a Sand stone 10 x 8 x 5 ins., 7 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.

47.00

Leave Sag, bears N.E. of S.W.

80.00

Set a Sand stone 16 x 12 x 10 ins. 11 ins.

in the ground for Cor. to Secs. 8-9-16-17 marked

with 4 notches on S. and 4 notches on E. edges,

dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. andraised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Descend gradually.

17.00

Enter Sag, bears N.E. & S.W.

34.50

Leave same, bears same and ascend,

40.00

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

79.85

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

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

N89° 46' W. on a true line between sections 9-16.

Variation

13° 47' East

89.93

Set a Sand stone 16 x 8 x 2 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., 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.

79.85

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

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

BOOK 268
17 N., Range 23 E.,

42

Gila and Salt River Meridian.

Chains

4' $\frac{1}{2}$
North, between Sections 8 and 9.

Variation 13° 47' East.

Ascend. gradually.

40.00

Set a Sand stone 16 x 10 x 8 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. base. alongside.

70.00

Descend. into rough broken country.

80.00

Set a Sand stone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 4-5-8-9 marked with 3 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base.

Land rolling and broken.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township

17 N., Range 23 E.,

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ}47'$ East.

Descend. through broken country.

5.23 Cross Wash, 20 lks. wide, Course N. and ascend.

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

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.19 Intersect N. & S. line, 50 lks. North of cor. to secs.
3-4-9-10 from which corner, I runN. $89^{\circ}39'W.$ on a true line between sections 4-9.Variation $13^{\circ}47'$ East40.10 Set a Sand stone $12 \times 10 \times 10$ ins., 8 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.

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

Land rolling & broken.

Soil 3rd rate

Vegetation, Bunchgrass.

Township 17 N., Range 23 E.,

Gila and Salt River Meridian.

Chains

North, on a random line between Sections 4 and 5.
Variation 13° 47' East.

Descend through broken country.

13.21 Cross Wash, 30 lks. wide, Course N.W. and ascend.

40.00 Set temporary 1/4 Sec. Cor.

53.00 Top of Puff bears E. & W. and descend

79.90 Intersect N. B. of Tp. 8 1/2 W. West of cor. to secs.

4-5-32-33, which is a Sandstone
20 x 10 x 8 ins., set 15 inches in
the ground, marked with four
notches on E. and two notches
on W. edges, pits 18 x 18 x 12 ins.
in each Sec., 5 1/2 ft. dist, and
mound of earth, 2 ft. high, 4 1/2 ft.
base alongside,

from which corner, I run

S. 7' W. on a true line, between sections 4-5.

Variation 14° 45' East.

39.90 Set a Sand stone 10 x 8 x 6 ins., 7
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W.
face, and raised a mound of stone alongside. Pits
impracticable.

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

Land rolling and broken.

Soil 3rd rate

Vegetation, Bunchgrass, Mar. 22, 1883.

Township

17N,

Range

23E,

Gila and Salt River Meridian.

Chains

Standard
 From the corner to sections, 31-32 on S.B.
 of T₁, which is a Sandstone,
 18 + 16 + 6 = 40 inches in
 the ground marked S.C. with
 1 notch on N. and 5 notches on
 E. edges, pits, 18 x 18 x 12 ins. N. E. & W.
 of stone, 5 1/2 ft. dist. and
 mound of earth, 2 ft. high,
 4 1/2 ft. base alongside, Run
 North ^{4 1/2} between sections 31 & 32.

Variation 13° 49' East.

Ascend.

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

40.00 Set a Sand stone 10 x 10 x 8 ins., 7 ins.
 in the ground, for 1/4 Sec. Cor., marked 1/4 on N. 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.

80.00

Set a Sand stone 10 x 8 x 6 ins., 7 ins.
 in the ground for Cor. to Secs. 29-30-31-32 marked
 with 1 notch 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 alongside.

Land mountainous.

Soil

3rd rate

Vegetation, Bluegrass

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

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

79.84 Intersect N. & S. line, 45 lks Mark of cor. to sec.

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

N89°41' W. on a true line between sections 29-32,

Variation

13°47' East

39.92 Set a Sand stone $12 \times 12 \times 8$ ins., 8 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.

79.84 The corner to sections 29-30-31-32,

Land level.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Over rolling land.

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

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

63.50 Enter Flat bears N. & S.

79.68 Intersect N. B. of Tp. S lks ^{North} of cor. to secs.

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

77.89 57' E. on a true line, between sections 30-31.

Variation

13° 42' East.

39.68 Set a Sand stone 11 x 9 x 9 ins., 7 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.

79.68 The corner to sections 29-30-31-32,

Land rolling and level.

Soil

3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation

13° 47'

East.

Descend.

20.00

Enter Flat bears E. & W.

40.00

Set a *Sana* stone 12 x 11 x 8 ins., 8 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.

62.20

Cross Wash, 100 yds. wide, Course *S. 70° W* and ascend.

80.00

Set a *Sana* stone 14 x 12 x 10 ins., 9 ins. in the ground for Cor. to Secs. 19-20-29-30 marked with 2 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling and level.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

Over rolling land.

13.00

Descend. into Valley

40.00

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

40.17

Cross wash, 6 lks. wide, course S.W.

80.13

Intersect N. & S. line, 9 lks. North of cor. to seas.

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

N. 89° 56' W. on a true line between sections 20-29.

Variation

13°47'

East

40.07

Set a Sand stone 13 x 10 x 9 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.

80.13

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

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Descend gradually,

3.50 Enter Sag, bears N.E. & S.W.

25.00 Leave same, br. same and ascend gradually,

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

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

79.90 Intersect N.B. of Tp. 27 $\frac{1}{4}$ Sec. North of cor. to secs.

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

N. 89° 48' E. on a true line, between sections 19-30,

Variation

13° 42' East.

39.90 Set a Sand stone 10 x 9 x 7 ins., 7 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.

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

Land hilly, acid rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

4' E,
North, between Sections 19 and 20.

Variation

13° 47'

East.

Over rolling land.

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

7.50 Enter Sag, bears N.E. & S.W.

13.50 Leave Sag, bears same and ascend gradually.

140.00 Set a Sand stone 12 x 10 x 8 ins., 8 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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 Sand stone 16 x 12 x 10 ins. 11 ins.
in the ground for Cor. to Secs. 17-18-19-20 marked
with 3 notches on S. and 5 notches on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township

17 N.,

Range

23 E.,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Over rolling land.

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

42.45 Ascend.

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

53.00 Enter Valley, bears N. 10 $\frac{1}{2}$ ° E. & S. 10 $\frac{1}{2}$ ° W.80.42 Intersect N. & S. line, 23 lks. *North* of cor. to secs.

16-17-20-2 from which corner, I run

N 89° 50' W. on a true line between sections 17-20.

Variation

13° 47' East

40.21 Set a *Sand* stone 15 x 10 x 3 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.

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

Land rolling.

Soil *2nd* *3rd* *rate*Vegetation, *Bunchgrass.*

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

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

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

79.51 Intersect N.B. of Tp. 14 1/2 ^{1/2} miles South of cor. to secs. 18-19-20 previously described by me from which corner, I run

S. 59° 54' E. on a true line, between sections 18-19.

Variation 13° 42' East.

39.51 Set a Sand stone 8 x 8 x 5 ins., 5 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 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base alongside.

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

Land *willy.*Soil 3rd rate

Vegetation, "Punchgrass."

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

Mar. 23, 1883.

Township

17 N₇

Range

23 E₇

54

Gila and Salt River Meridian.

Chains

4' 6"
North, between Sections 17 and 18.

Variation

13° 47'

East.

Ascend. gradually.

40.00

Set a Sand stone $12 \times 10 \times 8$ ins., 8 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 Sand stone $14 \times 12 \times 10$ ins. 9 ins. in the ground for Cor. to Secs. 7-8-17-18 marked with 4 notches on S. and 5 notches 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

3rd rate

Vegetation

Purnehgrass.

Township

17 N.

Range

23 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

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

f0.26 Intersect N. & S. line, 14 lks. South of cor. to secs.

f9-16-17 from which corner, I run

f89'54" W. on a true line between sections 8 and 17.

Variation

13° 47'

East

40.13 Set a Sand stone $14 \times 10 \times 8$ ins., 9 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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. on

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

f0.26 The corner to sections 7-8-17-18.

Land hilly.

Soil

3rd

rate

Vegetation,

Bunchgrass.

Township

17 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 47'

East.

Ascend.

14.00 Top of Hill bears N. 7 S. and descend.

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

63.24 Cross Wash, 20 yds. wide, Course N. 37 W. and ascend.

79.79 Intersect W. B. of Tp. 46 yds. South of cor. to secs.
7-12-13-18, from which corner, I run
S. 89° 40' E. on a true line, between sections 7-18.

Variation

13° 42' East.

39.79 Set a Sand stone 14 x 10 x 8 ins., 9 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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.

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

Land hilly.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17N,

Range

23E,

Gila and Salt River Meridian.

Chains

4' 6"
North, between Sections 7 and 8.

Variation

13° 47'

East.

Ascend.

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

40.00 Set a Sand stone $14 \times 12 \times 10$ ins., 9 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.

43.00 Enter Flat bears N.E. & S.W.

75.00 Leave Flat bears E. & W. and ascend.

80.00 Set a Sand stone $15 \times 12 \times 10$ ins. 10 ins. in the ground for Cor. to Secs 5-6-7-8 marked with Notches on S. and Notches 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 hilly.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River

Meridian.

Chains

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

Variation

13° 47' East.

*Ascend.*35.00 Top of *Ruff* bears N. & S. and descend40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.89 Intersect N. & S. line, 42 *lbs* *Sunk* of cor. to secs.

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

S. 89° 42' W. on a true line between sections 5-8.

Variation 13° 47' East

39.95 Set a Sand stone 10 x 8 x 5 ins., 7 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.

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

Land rolling.

Soil 3rd rateVegetation, *Bunchgrass*.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

Variation

13°47'

East.

Descend.

5.50 Enter Valley, bears N. & S.

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

S0.13 Intersect N. B. of Tp. 19 1ks. South of cor. to secs.
 previously described by me
 1-6-7-12 from which corner, I run
 S. 89° 52' 6" on a true line, between sections 6-7.

Variation

13°42'

East.

40.13 Set a Sand stone 12 x 10 x 10 ins., 8 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., 6 and 11. 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.

S0.13 The corner to sections 5-6-7-8.

Land rolling and level.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

17 N,

Range

23 E,

Gila and Salt River Meridian.

Chains

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

4' 6"

Variation

13° 47' East.

Descend.

114.50 Enter Valley, bears N. 6° 7' S. W.

40.00 Set temporary 1/4 Sec. Cor.

80.10 Intersect N.B. of Tp. 26 1/2 m. East of cor. to secs.

5-6-31-32, which is a Sandstone, 20 x 10 x 10 ins., set 15 ins. in the ground, marked with 5 notches on East and 1 notch on N. edges, pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and mound of earth, 2 ft. high, 4 1/2 ft. base alongside, from which corner, I run

S. 7° E. on a true line, between sections 5-6.

Variation 14° 45' East.

40.10 Set a Sand stone 10 x 8 x 5 ins., 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 alongside.

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

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass, Mar. 24, 1883.

GENERAL DESCRIPTION.

The extreme northern and southern parts of this Township are mountainous; the remaining portions consist of valleys and rolling land.

The Soil is 2nd and 3rd rate. A considerable portion is valuable for grazing purposes, good grass being abundant throughout the Sp.

There is one settler in N.E. $\frac{1}{4}$ of Section 16, Jesus Aphodocca who has a house, Corral & Garden, valued at about \$250.

For final notes see book 14-

U. S. Surveyor General's Office,

TUCSON ARIZONA, July 31, 1883

The foregoing Field Notes of the Survey of the

Subdivision Lines of Township 17 N. R. 23 East

Of the Gila and Salt River Base and Meridian, Arizona, executed 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 explanations made, the said Field Notes and the surveys they describe are hereby approved.

J. W. Robinson
Surveyor General.