

~~Book No. 8~~

Deputy Surveyor.

T.

R.

Gila and Salt River

Meridian.

No 404

FIELD NOTES

BOOK 404

OF

THE SUBDIVISION LINES OF

Township

Range

Gila and Salt River

Meridian

BY

Deputy Surveyor.

Under his Contract of

1882

Survey Commenced

1883

Survey Completed

1883

Platted,

Copied for Washington,

Copied for Register,

No-404

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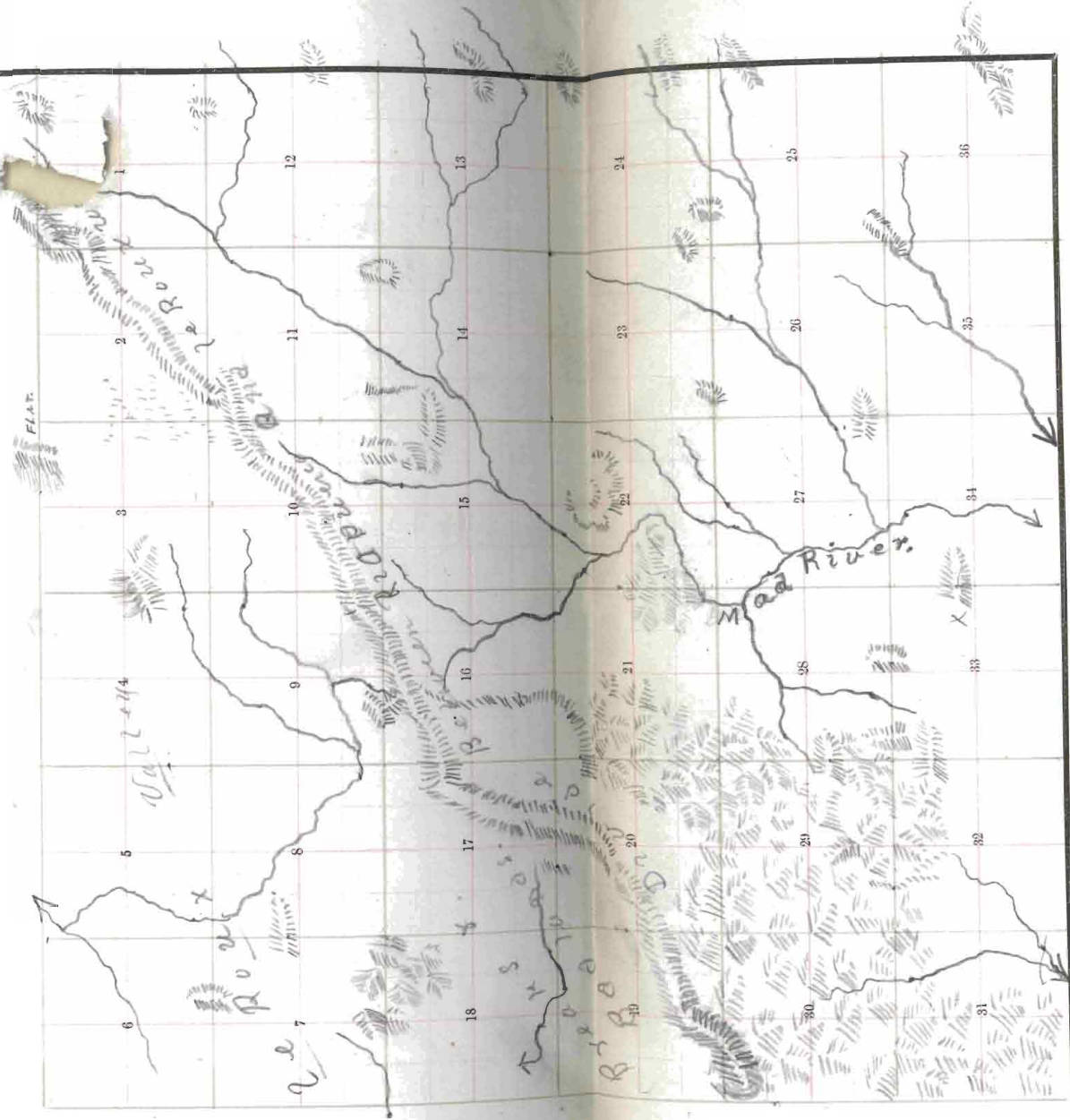
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404

*W. H. ...
...
...
...*

Township No. 31 N. Range No. 23 E. *See any Lathrop Meridian.*

BOOK 404



TOWNSHIP PLOT

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

Office Work.

X Cross mark

BOOK 404

BOOK 404

FOLLMAN

Frank

Deputy Surveyor.

T.

21

N.

25

E.

Gila and Salt River Meridian.

No. 404

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 21 N. Range 25 E.

Gila and Salt River Meridian.

BY

Frank

Follman

Deputy Surveyor.

Under his Contract of July 31st 1882

Survey Commenced Feb 9th 1883

Survey Completed Feb 16th 1883

Platted,
Copied for Washington,
Copied for Register,

1A

Township 21 North Range 25 East

BOOK 404

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
56		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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BCOK 404

13

Township

Range

Meridian.

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

~~Survey made with Burt's Patent Improved Solar
Compass, nearly new, and in first rate order. Made~~

by

~~Otto Fimmel of Basel
Germany~~

1
 10 Township 21 N Range 26 E
 (See previous page.)
 Gila and Salt River Meridian.

Chains

From the ^{Standard} corner to Sections 35, 36, ~~1 and 2~~ on the South boundary, of 26,
 which is a

post, 4 ft. long, 4 ins. square, set firmly in the ground, marked SC
 T. 21 N. R. 25 E., on N. S. 36 on E and S. 35 on W. faces, with 1 notch on E. and 5 notches on W. faces, with pits 18 x 18 x 12 ins. N. E. of post, 5 1/2 ft. dist. and with a mound of earth 2 ft. high, 4 1/2 ft. base around post,

North between sections 36 & 36

Variation 14' 10" East.

Over rolling land.

40.00 Set a Sand stone 10 x 9 x 8 ins., 6 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

66.00 Cross Wash, 50 yds. wide, Course W. and ascend.

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

80.00 Set a Sand stone 18 x 16 x 12 ins. 12 ins. in the ground for Cor. to Secs. 25, 26, 30, 36 marked with 1 notch 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 3rd rate Vegetation Grass & Sage

Township 21 N Range 25 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 30' East.

Ascend.

1.50 Top of Hill bears N 62° S. W. and descend.

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

59.90 Intersect C.B. of Tp. 14 lks. N of cor. to secs. previously set by me. from which corner, I run

20.30.31.36 on a true line, between sections 25 & 36
N 89° 54' W. Variation 14° 30' East.

89.96 Set a Sand stone 10 x 8 x 4 ins., 6 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 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside

79.90 The corner to sections 20.30.31.36

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 21 N Range 25 E
 Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation

14° 35'

East.

Descend.

40.00

Set a Sand stone 14 x 10 x 6 ins., 10 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

89.80

Cross Wash, 50 lks. wide, Course W.

80.00

Set a Sand stone 14 x 12 x 8 ins. 10 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 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 8th rate

Vegetation Grass & Sage.

Township

21

N

Range

20

E

Gila and Salt River Meridian.

Chains

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

Variation

11° 00'

East.

Ascend.

18.00

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

38.00

Cross Wash, 18 lks. wide, Course S. W. and ascend.

40.00

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

80.00

Intersect C. B. of Tp. 8 lks. S. of cor. to secs.
previously set by me.

19. 24. 20. 20 from which corner, I run

199. 57' W. on a true line, between sections 24 & 25

Variation 14° 35' East.

40.04

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

80.08

The corner to sections 23. 24. 25. 26

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 21 N Range 26 E

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation 14° 35' East.

Ascend.

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

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

80.00 Set a Sand stone 12 x 12 x 10 ins. 8 ins. in
the ground for Cor. to Secs. 12, 14, 20, 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 3rd rate

Vegetation Grass & Sage.

Township 21 Range 25

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 35'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ sec. cor.80.17 Intersect *E. B.* of Tp. 13 lks. *N.* of cor. to secs.
previously set by me.
3. 18. 19. 24 from which corner, I run $N. 89^{\circ} 54' W.$ on a true line, between sections 13 & 24Variation $14^{\circ} 36'$ East.110.05 Set a sand stone $14 \times 12 \times 8$ 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. alongside80.17 The corner to sections 13. 14. 23. 24

Land rolling.

Soil 2^d rateVegetation Grass & Sage.

Township

21

N

Range

25

E.

Gila and Salt River

Meridian.

Chains

North, between Sections 13 and 14.

Variation

14° 36'

East.

Over rolling land.

40.00

Set a Sand stone $14 \times 12 \times 8$ ins., 10 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

46.00

Cross Ravine, Course. W.

80.00

Set a Sand stone $15 \times 12 \times 8$ 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, 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 Grass & Sage.

Oct. 9. 1883

Township 21 N Range 24 E

Gila and Salt River Meridian.

Chains

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

Variation $111^{\circ} 30'$ East.

Over rolling land.

40.00 Set temporary $\frac{1}{2}$ sec. cor.79.85 Intersect S. B. of Tp. 32 Tks. N of cor. to secs.
previously set by me.
7. 12. 13. 18 from which corner, I runN. $89^{\circ} 46'$ W on a true line, between sections 12 & 13
Variation $14^{\circ} 30'$ East.39.92 Set a Sand stone $14 \times 10 \times 3$ 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., S. 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 11. 12. 13. 14

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

20 E

Gila and Salt River

Meridian.

Chains

North, between Sections 11 and 12.

Variation

14° 35'

East.

Over rolling land.

40.00

Set a Sand stone 14 x 12 x 7 ins., 10 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

75.00

Cross Wash, 50 lks. wide, Course S.W.

80.00

Set a Sand stone 8 x 8 x 8 ins. 6 ins. in the ground for Cor. to Secs. 1, 3, 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 Grass & Sage.

Township 21 N

Range 25 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 35' East,

Over rolling land.

5.00 Cross Wash, 30 lks. wide, Course S. W. and ascend.

40.00 Set temporary 1/4 sec. cor.

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

79.69 Intersect C. B. of Tp. 12 lks. S. of cor. to secs.

1.6. 7. 12 previously set on the from which corner, I run

S. 89° 55' W. on a true line, between sections 1 & 12

Variation 14° 35' East.

39.84 Set a Sand stone 12 x 9 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 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

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

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 21 N Range 26 E
 Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 35'$ East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ sec. cor.55.50 Top of divide between Le Croix and Rio
 Guco Rivers bears N. E. 11° and descend.80.39 Intersect N. B. of Tp. 12 lks. E. of cor. to secs.
 previously set by me, from which corner, I run
 1.2. 36. 36 $\frac{1}{4}$ from which corner, I run
 S. 5' E. on a true line, between sections 1 & 2Variation $14^{\circ} 35'$ East.40.39 Set a sand stone $9 \times 8 \times 8$ ins., 6
 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

82.39 The corner to sections 1, 2, 11, 12

Land rolling.

Soil 3^{rd} rate

Vegetation Grass & Sage.

Township 21 N Range 25 E

Gila and Sakt River Meridian.

Chains

Standard
From the corner to sections, 34, 35 on South boundary of T₂₁, which is a post, 4 ft. long, 4 ins. square, set firmly in the ground, marked S C

T. 21 N. R. 25 E., on N. S. 30 on E. and S. 34 on W. faces, with 2 notch 20 on E. and 4 notch 20 on W. faces, ~~inst~~ pits 18 x 18 x 12 ins. N, E, W of post, 5 1/2 ft. dist. and with a mound of earth 2 ft. high, 4 1/2 ft. base around post, *Iron*

North between sections 34 35

Variation 14° 15' East.

Over rolling land.

10.50
40.00

Cross wash, 50 lbs. wide. Course S 30° W. 2000 ins.
Set a Sand stone 12 x 10 x 8 ins., 8 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

80.00

Set a Sand stone 14 x 10 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, 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 Grass & Sage.

Township

21 N

Range

20 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 36'

East.

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

47.10 Cross low Sag and ascend.

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

26. 26. 30. 36 from which corner, I run

S. 89. 45° W. on a true line between sections 26 & 36

Variation

14° 36'

East

39.86

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

79.73

The corner to sections 26. 27. 34. 35

Land rolling.

Soil 3rd rate

Vegetation Goose Sage.

Township 21 N. Range 25 E.

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation 4° 36' East.

Ascend.

9.75 Top of Hill bears E. 21° W. and descend.

29.00 Cross Wash, 100 lks. wide, Course S. 26° W. and ascend.

40.00 Set a Sand stone 10 x 8 x 8 ins., 6 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 20 x 12 x 8 ins. 16 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. alongside

Land rolling.

Soil 2nd rate

Vegetation Grass & Sage.

Township 21 N Range 26 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 35' East.

Ascend.

- 7.76 Top of Hill bears N. 10° E. & S. 10° W. and descend.
- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 49.00 Cross Wash, 50 lks. wide, Course S. 10° W. and ascend.
- 79.89 Intersect N. & S. line, 20 lks. S. of cor. to secs.
23. 24. 25. 26 from which corner, I run
S. 89° 49' W. on a true line between sections 23 & 26
Variation 14° 35' East.
- 29.94 Set a Sand stone 14 x 18 x 12 ins., 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone
5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high,
3 $\frac{1}{2}$ ft. base. alongside
- 79.89 The corner to sections 22. 23. 26. 27
Land rolling.
Soil 3rd rate
Vegetation Grass & Sage.

Township 21 N Range 25 E

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation 111° 35' East.

Over rolling land.

40.00

Set a sand stone 14 x 10 x 6 ins., 10 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

80.00

Set a sand stone 14 x 10 x 6 ins. 10 ins. in the ground for Cor. to Secs. 14, 15, 22, 23 marked with 3 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

25 E

Gila and Salt River

Meridian.

Chains

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

Variation

14° 35'

East.

Over rolling land.

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

80.06 Intersect N. & S. line, 28 lks. N, of cor. to secs.

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

N. 89° 50' W. on a true line between sections 14 & 23

Variation, 14° 35' East.

40.03

Set a Sand stone 14 x 12 x 4 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

80.06

The corner to sections 14. 15. 22. 23

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

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

Feb. 10. 1883

Township

31 N

Range

25

E

Gila and Salt River

Meridian.

Chains

North, between Sections 14 and 15.

Variation

14° 36'

East.

Ascend.

35.00

Cross Ravine, Course. W. 1/2

40.00

Set a Sand stone 14 x 12 x 8 ins., 10 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

65.00

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. 10. 11. 14. 15- marked with 4 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

From this point is a Ranch which bears S. 87° W. about 17 chs. dist.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 21 N Range 25 E
 Gila and Salt River Meridian.

Chains

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

Variation 14° 35' East.

- Open high land
- 13.00 Leave base N.E.S. and descend.
- 38.00 Cross Wash, 20 lks. wide, Course S.W. and ascend.
- 40.00 Set temporary $\frac{1}{2}$ sec. cor.
- 70.00 Top of Hill bears N.E.S. and descend.
- 79.91 Intersect N. & S. line, 9 lks. S. 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 14° 35' East.
- 39.96 Set a Sand stone 10 x 10 x 8 ins., 10
 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
- 79.91 The corner to sections 10. 11. 14. 15
 Land rolling.
 Soil 3rd rate
 Vegetation Grass & Sage.

Township 21 N Range 35 E

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation $1/4^{\circ} 30'$ East.

Ascend.

45.00

Set a sand stone $14 \times 10 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{4}$ 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

72.50

Divide between Le Croix and Rio Puncos Rivers bears N. E. & S. W. and descend.

80.00

Set a sand stone $11 \times 10 \times 10$ ins. 8 ins. in the ground for Cor. to Secs. 2, 3, 10, 11 marked with 5 notches on S. and 2 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 Grass & Sage.

Township 21 N Range 25 E
 Gila and Salt River Meridian.

Chains

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

Variation 14° 15' East.

Ascend.

00 Top of divide between La Cruz and Rio Puerco runs N.E. S.W. and descend.

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

80.32 Intersect N. & S. line, 30 lks. N. of cor. to secs.
 12. 11. 12 from which corner, I run

N 89° 47' W. on a true line between sections 2 & 11

Variation 14° 35' East.

40.16 Set a Sand stone 13 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., 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

00.82 The corner to sections 2. 3. 10. 11

Land rolling.

Soil g^o rateVegetation Grass & Sage.

Township 21 N Range 25 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 30' East.

Descend.

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

60.00 Enter Flat bears E. & W.

70.70 Intersect N.B. of Tp. 11 Nks. W of cor. to secs. 2, 3, 34, 36 previously set by me from which corner, I run

S. 5° W on a true line, between sections 2 & 3

Variation 14° 30' East.

82.00 Set a Sand stone 16 x 7 x 5 ins., 10 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 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside

79.70 The corner to sections 2, 3, 10, 11
Land rolling.

Soil 2nd rate

Vegetation Grass & Sage.

Township 21 N

Range 25 E

Gila and Salt River

Meridian.

Chains

^{Standard}
 From the corner to sections, 33 ^{2a} and 34, on South boundary of township which is a Sand stone 24 x 16 x 5 ins. set firmly in the ground and marked S. C., with 3 notches on E. and 3 notches on W. edges and with a mound of stone along side.
 From North between sections 33 ^{2a} and 34,
 Variation 14° 15' East.

Over rolling land.

46.00 Set a Sand stone 18 x 11 x 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, 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 Cross Wash, 100 lks. wide, Course East and ascend.

80.00 Set a Sand stone 21 x 14 x 9 ins. 16-ins. in the ground for Cor. to Secs. 27, 25, 23, 21 marked with 1 notch 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 rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

20 E

Gila and Salt River

Meridian.

Chains

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

Variation $14^{\circ} 35'$ East.

Descend.

26.20

Mad River 300 yds. wide, Course S. E.

40.00

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

30.31

Intersect N. & S. line, 12 yds. S. of cor. to secs.

36.27 34. 36 from which corner, I run

S. $59^{\circ} 55'$ W. on a true line between sections 27 & 34Variation $14^{\circ} 35'$ East.

30.10

Set a Sand stone $20 \times 20 \times 3$ ins., 15 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

30.31

The corner to sections 27. 28. 33. 34

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 21 N Range 25 E

Gila and Salt River Meridian.

Chains North, between Sections 27 and 28.

Variation 14° 30' East.

40.00 Set a Sand stone 18 x 12 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 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside

67.12 Cross Wash, 200 lks. wide, Course S E.

80.00 Set a Sand stone 12 x 12 x 8 ins., 8 ins. in the ground for Cor. to Secs. 21, 22, 27, 28 marked with 2 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. alongside

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

Range

Gila and Salt River

Meridian.

Chains

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

Variation

14° 35'

East.

Over rolling land.

33.26

Cross Wash, 126 lks. wide, Course S.

40.00

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

47.00

Cross Wash, 20 lks. wide, Course S 60° W.

79.93

Intersect N. & S. line, 14 lks. N. of cor. to secs. 22, 23, 26, 27 from which corner, I run

N. 89° 54' W. on a true line between sections 22 & 27

Variation 14° 35' East.

39.90

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

79.93

The corner to sections 21, 22, 27, 28

Land rolling.

Soil 3rd rate

Vegetation

Grass & Sage

Feb. 12. 1883

Township

21 N

Range

20 E

Gila and Salt River

Meridian.

Chains

North, between Sections 21 and 22.

Variation

14° 35'

East.

Over level land

2.50

Cross Wash, 100 lks. wide, Course S 10° W.

and enter bad lands.

40.00

Set a Sand stone $10 \times 9 \times 5$ ins., 9 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

46.00

Leave bad lands here N.W. & S.E.

72.30

Cross Wash, 120 lks. wide, Course S E.

80.00

Set a Sand stone $14 \times 12 \times 10$ 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 rate

Vegetation Grass & Sage.

Township

21 N

Range

25 E

Gila and Salt River

Meridian.

Chains

East, on a random line between Sections 15 and 23.

Variation

14° 36'

East.

Over level land

29.80

Cross Wash, 100 lks. wide, Course S. W.

40.00

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

79.53

Intersect N. & S. line, 45 lks. S. of cor. to secs.

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

S. 89° 41' W. on a true line between sections 15 & 23

Variation 14° 36' East.

5276

Set a Sand stone $20 \times 12 \times 6$ ins., 16-
 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

79.53

The corner to sections 15, 16, 21, 22

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

29
 Township 21 N Range 25 E
 Gila and Salt River Meridian.

Chains

North, between Sections 15 and 16.

Variation $11^{\circ} 35'$ East.

Over level land

40.00

Set a Sand stone $8 \times 8 \times 8$ ins., 6 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

24.00

Cross Wash, 50 lks. wide, Course S W.

80.00

Set a Sand stone $14 \times 11 \times 10$ ins. 10 ins. in the ground for Cor. to Secs. 9, 10, 15, 16 marked with 4 notches on S. and 3 notches on E. edges, 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 level.

Soil 3rd rate

Vegetation Grass & Sage

Township 31 N Range 25 E

Gila and Salt River Meridian.

Chains

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

Variation $11^{\circ} 35'$ East.

Over rolling land.

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

53.00 Cross Wash, 30 lks. wide, Course S. and ascend.
60.00 Top of Hill bears N. & S. and descend.
29.80 Intersect N. & S. line, 18 lks. S. of cor. to secs.

10.11. 14. 10⁻ from which corner, I run

1.59. 62' W. on a true line between sections 10 & 15⁻

Variation $11^{\circ} 35'$ East.

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

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

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

25 E

Gila and Salt River

Meridian.

Chains

North, between Sections 9 and 10.

Variation

14° 35'

East.

Ascend.

7.00

Top of Divide between Le Croix & Rio
Puerco Rivers bears N. E. & S. W. and descend.

40.00

Set a Sand stone 8 x 8 x 5 ins., 6
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

60.80

Cross Wash, 50 lks. wide, Course W. and ascend.

80.00

Set a Sand stone 16 x 12 x 8 ins. 10 ins. in
the ground for Cor. to Secs. 3, 4, 9, 10 marked
with 6 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 rolling.

Soil

3rd

rate

Vegetation

Grass & Sage.

Township 21 N Range 25 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 36'$ East.

Over rolling land,

40.00 Set temporary $\frac{1}{4}$ sec. cor.79.68 Intersect N. & S. line, 13 lks. *N* of cor. to secs.

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

N $89^{\circ} 54'$ W. on a true line between sections 3 & 10Variation $14^{\circ} 36'$ East.

59.74

Set a Sand stone $10 \times 12 \times 9$ 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

79.68

The corner to sections 3. 4. 9. 10

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

25 E

Gila and Salt River

Meridian.

Chains

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

Variation

14° 35'

East.

Descend.

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

22.00 Top of Spur, bears N. 20° E. & S. 20° W. and descend.

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

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

79.89 Intersect N. B. of Tp. 37 lks. E. of cor. to secs.
previously set by me.

3. 4. 33. 34 from which corner, I run

S. 16° E. on a true line, between sections

3 & 4

Variation

14° 35'

East.

39.89 Set a Sand stone 12 x 11 x 10 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

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

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

Range

Gila and Salt River

Meridian.

Chains

^{Standard}
From the corner to sections, 32 and 33, on South
boundary of T₄, which is a
post, 4 ft. long, 4 ins. square, set firmly in the
ground, (~~with a marked stone~~) marked SC
T. 24 N. R. 25 E., on N. S. 33 on E. and S. 32 on
W. faces, with 4 notches on E. and 2 notches
on W. faces, with pits 18 x 18 x 12 ins. N, E & W of post,
5½ ft. dist. and with a mound of earth 2 ft. high, 4½
ft. base around post, 0 run

North between sections 32 & 33

Variation 14° 15' East.

Over broken land.

40.00

Set a Sand stone 20 x 10 x 3 ins., 16 ins.
in the ground, for ¼ Sec. Cor., marked ¼ on W. face,
dug pits 18 x 18 x 12 ins., N. and S. of stone 5½
ft. dist., and raised a mound of earth 1½ ft. high, 3½
ft. base alongside

60.00

Top of Range bears E. & W. and descend

80.00

Set a Sand stone 20 x 12 x 10 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 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and
raised a mound of earth 2 ft. high, 4½ ft. base. alongside

Land rolling

Soil 3rd rate

Vegetation Grass & Sage.

Township *21 N*Range *20 E*

Gila and Salt River

Meridian.

Chains

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

Variation *14° 35'* East.*Ascend. Over broken land.**6.00 Top of Spur, bears N. & S. and descend.**22.12 Cross Wash, 57 lks. wide, Course N26°E and ascend.**40.00 Set temporary 1/2 sec. cor.**41.00 Top of Hill bears N. & S. and descend.**49.88 Intersect N. & S. line, 39 lks. N. of cor. to secs.**27 28 33 34 from which corner, I run**N. 89° 43' W. on a true line between sections 28 & 33**Variation 14° 35' East.*

59.94 Set a Sand stone 12 x 12 x 9 ins., 8 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 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

*79.88 The corner to sections 28, 29, 32, 33**Land hilly**Soil 3^d rate**Vegetation Grass & Sage*

Township 21 N Range 25 E
 Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation 14° 30' East.

Descend. Over broken land.

30.00 Foot of high hills bear E. & W.
 40.00 Cross Wash, 60 yds. wide, Course N. E. and ascend.
 40.00 Set a Sand stone 14 x 12 x 8 ins., 10
 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.

80.00 Set a Sand stone 18 x 12 x 8 ins. 12 ins. in
 the ground for Cor. to Secs. 20, 21, 28, 29 marked
 with 2 notches on S. and 4 notches on E. edges, 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. a survey

Land Broken.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

25 E

Gila and Salt River

Meridian.

Chains

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

Variation

14° 35'

East.

Descend.

40.00

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

78.00

Cross Wash, 100 lks. wide, Course S. and ascend.

80.07

Intersect N. & S. line, 7 lks. N. of cor. to secs.

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

N. 89° 57' W. on a true line between sections 21 & 28

Variation

14° 35'

East.

40.03

Set a sand stone 15 x 12 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, $8\frac{1}{2}$ ft. base, alongside

12.17

The corner to sections 21, 28, 29

Land rolling.

Soil

8th

rate

Vegetation

Grass & Sage.

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

Feb. 13, 1883

Township 21 N Range 25 E

Gila and Salt River Meridian.

Chains North, between Sections 20 and 21.

Variation 14° 30' East.

Over broken land.

40.00 Set a Sand stone 7 1/2 x 11 x 9 ins., 8 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

70.00 Top of bad land hills E & W. and Table land.

80.00 Set a Sand stone 14 x 12 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 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. alongside

Land Broken.

Soil 3rd rate

Vegetation Grass Sage.

Township 21 N Range 20 E
 Gila and Salt River Meridian.

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

Variation $14^{\circ} 35'$ East.

Over high tableland

32.00 Leave high table land leave N. S. and descend.

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

69.90 Cross Wash, 100 yds. wide, Course S.

Enter Valley, ~~400~~

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

16. 16. 21. 22 from which corner, I run

N. $89^{\circ} 48'$ W. on a true line between sections 16 & 21

Variation $14^{\circ} 35'$ East.

39.99 Set a sand stone $17 \times 12 \times 8$ ins., 12 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

72.98 The corner to sections 16. 17. 20. 21

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

Township 21 N Range 25 E

Gila and Salt River Meridian.

Chains North, between Sections 16 and 17.

Variation 46° 35' East.

Ascend.

42.70

Set a Sand stone $13 \times 12 \times 7$ 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., 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

62.00

Divide between Le Craz and Rio Puerco Rivers bears N. E. & S. W. and descend.

80.00

Set a Sand stone $13 \times 12 \times 9$ ins., 8 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 $18 \times 18 \times 12$ 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 Grass & Sage.

Township 21 N Range 26 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 35' East.*Ascend.*13.80 Top of Spur, bears N. 8° E. S. W. and descend.31.84 Cross Wash, 50 lks. wide, Course N. 20° E. and ascend.40.00 Set temporary $\frac{1}{2}$ sec. cor.67.79 Divide between Le Croix and Rio Puerco
River bears S. 60° W. and descend.80.16 Intersect N. & S. line, 12 lks. N. of cor. to secs.9, 10, 15, 16 from which corner, I runN. 79° 54' W. on a true line between sections 9, 16Variation 14° 35' East.40.08 Set a land stone 15 x 13 x 12 ins., 15
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
5½ ft. dist., and raised a mound of earth 1½ ft. high,
3½ ft. base. alongside80.16 The corner to sections 8, 9, 16, 17

Land rolling.

Soil 3rd rateVegetation Grass & Sage

Township 21 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 8 and 9.

Variation 111° 35' East.

Over rolling land.

16.80 Cross Wash, 60 lks. wide, Course W.

40.00 Set a Sand stone 10 x 9 x 8 ins., 6 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 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 13 x 10 x 6 ins. 8 ins. in the ground for Cor. to Secs. 4, 5, 8, 9 marked with 6 notches on S. and 4 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 rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 21 N. Range 25 E.
 Gila and Salt River Meridian.

Chains

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

Variation $4^{\circ} 30'$ East.

Over rolling land.

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

41.00 Cross Wash, 17 lks. wide, Course S. 40° W.

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

3 4 9 10 from which corner, I run

S. 89° 45' W. on a true line between sections 4 & 9

Variation $14^{\circ} 35'$ East.

40.13 Set a Sand stone $16 \times 9 \times 4$ ins., 10
 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

80.26 The corner to sections 4 5 8 9

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

Township 21 N

Range 20 E

Gila and Salt River Meridian.

Chains

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

Variation 11° 36' East.

Over rolling land.

20.00

Enter Valley, bears, S. & W.

40.00

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

60.18

Intersect N.B. of Tp. 12 Tks. 0 of cor. to secs. previously set by me.

4. 5. 32. 33 from which corner, I run

S. & E. on a true line, between sections 4 & 5

Variation 11° 36' East.

40.18

Set a Sand stone 16 x 14 x 12 ins., 10 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 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. alongside

80.18

The corner to sections 4. 5. 8. 9

Land rolling.

Soil 8th rate

Vegetation Grass & Sage

Feb. 14th 1883

Township

21 N

Range

20 E

Gila and Salt River

Meridian.

Chains ^{Standard} From the corner to sections, 31 and 32 on South
 bound any of Sp., which is a
 sand stone $24 \times 16 \times 8$ ins. set firm in
 the ground for $\frac{1}{4}$ Sec. Cor., marked S. C., with 5 notch on E. and 1 notch on
 W. edges and with a mound of stone alongside,
 I run
 North between sections 31 and 32.

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

Over broken land.

17.22 Cross Wash, 100 lks. wide, Course S.W. and ascend.

40.00 Set a Sand stone $17 \times 12 \times 6$ ins., 12 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 $17 \times 12 \times 8$ ins. 12 ins.
 in the ground for Cor. to Secs. 29, 30, 31, 32 marked
 with 1 notch on S. and 5 notches on E. edges,
 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 Grass & Sage.

Township

21 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.

Over broken land.

20.00

Top of Hill bears N and S. and descend.

40.00

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

80.52

Intersect N. & S. line, 17 lks. S. of cor. to secs.
29, 29. 32, 33 from which corner, I runS. $29^{\circ} 53'$ W. on a true line between sections 29 & 32Variation $14^{\circ} 30'$ East

40.26

Set a Sand stone $12 \times 12 \times 4$ 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

80.52

The corner to sections 29, 30, 31, 32

Land hilly.

Soil 3° rate

Vegetation Grass & Sage.

Township 21 N. Range 25 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Over broken land.*22.80 *Cross Wash, 50 yds. wide, Course S.*40.00 *Set temporary $\frac{1}{4}$ Sec. Cor.*79.85 *Intersect W. B. of Tp. 31 yds. S. of cor. to secs.**25, 30, 31 and 36, which is a**sand stone 20 x 20 x 8 ins. set firmly**in the ground, marked**with 1 notch on S. and 5 notches on E. edges,**with pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and**with a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, alongside**from which corner, I run**S. 89 $^{\circ}$ 47' E. on a true line, between sections 30 & 31*Variation $14^{\circ} 30'$ East.39.85 *Set a Sand stone 17 x 12 x 4 ins., 12 ins.**in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face,**dug pits 18 x 18 x 12 ins., E. and W. of stone 5 $\frac{1}{2}$* *ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$* *ft. base alongside*79.85 *The corner to sections 29, 30, 31, 32**Land mountainous.**Soil 3 $^{\circ}$ rate**Vegetation Grass & Sage.*

Township.....

21

Range.....

25

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation

14° 30'

East.

Over broken land.

40.00

Set a Sand stone 20 x 12 x 2 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside

80.00

Set a Sand stone 20 x 14 x 10 ins., 10 ins. in the ground for Cor. to Secs. 19, 20, 29, 30 marked with a notch 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 Broken.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N.

Range

25 0

Gila and Salt River

Meridian.

Chains

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

Variation

14° 35'

East.

Descend.

40.00

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

80.19

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

20. 21. 29. 29

from which corner, I run

S. 29. 119.

W. on a true line between sections 20 & 29

Variation 14° 35' East.

40.09

Set a Sand stone 20 x 10 x 3 ins., 16 $\frac{1}{2}$ ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base. alongside

80.19

The corner to sections 19. 20. 29. 30

Land rolling.

Soil \leftarrow 3 $\frac{1}{2}$ rate

Vegetation Grass & Sage.

Township 21 N Range 30 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 35' East.

Over broken land.

17.00 Foot of bad lands, visis S. E. & S. W.

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

45.00 Divide between Rio Grijalva and Rio Guasco
Rivers bears N. 60° E. & S. 60° W. and descend.

62.50 Foot of steep bluffs bears N. E. & S. W.

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

19, 24, 25 & 30, which is a
Sand stone 12 x 12 x 8 ins. set firmly
in the ground & marked
with 2 notch ∞ on S. and 4 notch ∞ on N. edges,
with pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and
with a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base, along side,
from which corner, I run

N. 99° 54' 6" on a true line, between sections 19 & 30

Variation 14° 35' East.

39.51 Set a Sand stone 12 x 12 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

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

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

26 E

Gila and Salt River

Meridian.

Chains

North, between Sections 19 and 20.

Variation

14° 30'

East.

Over broken land.

11.50

Foot of steep bad land bluffs bears N. E. & S. W.

34.00

Cross divide between Se Coa and Rio

Turco rivers bears N. E. & S. W. and descend.

40.00

Set a Sand stone $14 \times 12 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{2}$ 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

42.00

Foot of high land bears N. E. & S. W.

80.00

Set a Sand stone $20 \times 12 \times 6$ ins., 10 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 $18 \times 18 \times 12$ 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 mountainous.

Soil 300 rate

Vegetation Grass & Sage.

Township

Range

Gila and Salt River Meridian.

Chains

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

Variation

14° 30'

East.

Over broken land.

30.00

Foot of bad land bluffs bears N. 60° E. and ascend.

40.00

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

48.50

Cross divide between the Le Croy and Rio
Pinto Rivers bears N. 60° E. and descend.

59.80

Intersect N. & S. line, 16⁰⁰ lks. S. of cor. to secs.

16.17. 20. 21 from which corner, I run

S. 89° 53' W. on a true line between sections 17 & 20

Variation 14° 30' East.

39.92

Set a Sand stone 20 x 12 x 8 ins., 16
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

52.80

The corner to sections 17, 18, 19, 20

Land Broken.

Soil 3⁰⁰ rate

Vegetation Grass & Sage.

Township

21 N

Range

26 E

Gila and Salt River

Meridian.

Chains

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

Variation

14° 30'

East.

Descend.

- 19.00 Cross Wash, 50 lks. wide, Course S 80° W.
- 27.62 Cross Wash, 50 lks. wide, Course N 80° W.
- 40.00 Set temporary $\frac{1}{2}$ sec. cor.
- 59.70 Intersect W. B. of Tp. 20 lks. N. of cor. to secs. 3, 18, 19 & 24, which is a
sand stone 14 x 12 x 10 ins. set firmly
in the ground for $\frac{1}{2}$ Sec. Cor., marked
with 3 notches on S. and 3 notches on N. edges,
with pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and
with a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, along side
from which corner, I run
N. 89° 51' E. on a true line, between sections 18 & 19
Variation 14° 35' East.
- 89.70 Set a Sand stone 21 x 12 x 5 ins., 16 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
- 79.70 The corner to sections 17, 18, 19, 20
Land rolling.
Soil 3rd rate
Vegetation Grass & Sage.

Township

Range

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation

14° 30'

East.

Over broken land.

9.60

Cross Wash, 100 yds. wide, Course W. and ascend.

40.00

Set a Sand stone 13 x 10 x 7 ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside

80.00

Set a Sand stone 12 x 12 x 8 ins. 8 ins. in the ground for Cor. to Secs. 7, 8, 17, 18 marked with 4 notches on S. and 5 notches on E. edges, 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

Grass & Sage

Feb. 15, 1883

Township

21 N

Range

25 E

Gila and Salt River

Meridian.

Chains

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

Variation

14° 35'

East.

Over rolling land.

40.00

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

80.07

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

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

N 89. 02' W. on a true line between sections 8 & 17
Variation 14° 35' East.

40.03

Set a sand stone $15 \times 9 \times 6$ 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

80.07

The corner to sections 7, 8, 17, 18

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

Range

Gila and Salt River Meridian.

Chains

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

Variation

14° 35'

East.

Descend.

40.00

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

67.00

Enter Valley, bears, N. & S.

76.00

Enter wash, thence downward along wash

79.62

Intersect W. B. of Tp. 30 lks. N. of cor. to secs.

7, 12, 13 & 18, which is a

1

sand stone 20 x 12 x 10 ins. set firmly

in the ground & marked

with 4 notches on S. and 2 notches on N. edges,

with pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and

with a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside

from which corner, I run

N. 89° 47' E. on a true line, between sections 7 & 18

Variation 14° 35' East.

39.62

Set a sand stone 12 x 12 x 8 ins., 8 ins.

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

dig 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

79.62

The corner to sections 7, 8, 17, 18

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

26 E

Gila and Salt River

Meridian.

Chains

North, between Sections 7 and 8.

Variation

14° 35'

East.

Over rolling land.

40.00

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

46.00

Top of Hill bears E. & W.

80.00

Set a Sand stone 14 x 12 x 10 ins., 10 ins. in the ground for Cor. to Secs. 5, 6, 7, 8 marked with 5 notches on S. and 6 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 3rd rate

Vegetation Grass & Sage.

Township 21 N. Range 25 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 5 and 8.
Variation $14^{\circ} 35'$ East.

Over rolling land.

9.20 Cross Wash, 26' lks. wide, Course N. and ascend.

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

20.10 Intersect N. & S. line, 17 lks. S. of cor. to secs. 4, 5, 8, 9 from which corner, I run

S. 89. 53' W. on a true line between sections 5 & 8
Variation $14^{\circ} 35'$ East

40.05 Set a Sand stone $8 \times 8 \times 8$ ins., 6 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

20.10 The corner to sections 5, 6, 7, 8

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

21 N

Range

25 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 30' East.

Over rolling land.

32.60
40.00
79.75

Top of Hill bears N. & S. and descend.
Set temporary $\frac{1}{4}$ Sec. Cor.
Intersect W. B. of Tp. & lks. S. of cor. to secs.

1, 6, 7 & 12, which is a
sand stone 20 x 20 x 10 ins. set firmly
in the ground for 12 ins. marked
with 5 notches on S. and 1 notch on W. edges,
with pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and
with a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, alongside
from which corner, I run

S. 89° 05' E. on a true line, between sections 6 & 7
Variation 14° 30' East.

39.75

Set a sand stone 10 x 9 x 8 ins., 6 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

79.75

The corner to sections 5, 6, 7, 8

Land rolling.

Soil 3rd rate
Vegetation Grass & Sage.

Township *21 N*

Range *24 E*

Gila and Salt River

Meridian.

Chains

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

Variation *14° 35'*

East.

Over rolling land.

40.00

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

50.00

Enter Valley, bears, *N. E. S. W.*

60.00

Cross Ravine, Course: *N. E.*

80.26

Intersect *N. B.* of Tp. *21* Tks. *W.* of cor. to secs. previously set by me.

6. 6. 31. 32 from which corner, I run

S. 9. W. on a true line, between sections *6 & 6*

Variation *14° 35'* East.

40.26

Set a *Sand* stone *16 x 10 x 8 ins., 10*
*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 $\frac{1}{4}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high,
3 $\frac{1}{2}$ ft. base. alongside

80.26

The corner to sections *6. 6. 7. 8*

Land rolling.

Soil *3rd* rate

Vegetation *Grass & Sage.*

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

Feb. 10. 1883

BOOK 404
GENERAL DESCRIPTION.

The land in this township is rolling and hilly and some portions level. The soil is 2nd and 3rd rate.

The Vegetation consists of grass & sage.

The land in the valley is well adapted to agricultural purposes.

The divide between Rio Puerco River and La Rour wash extends through the township from the N.E. to the S.W. cor. and numerous washes rise on the same, and run in a northerly and southerly direction.

U. S. Surveyor General's Office,
Tucson, Arizona, June 19, 1883

The foregoing Field Notes of the survey of the
Township, Lines of
21 North Range
20 East,

of the Gila and Salt River Base and Meridian, Arizona,
executed by Frank Follmer,
D. S., under his contract of the 31st day of
July, 1882, having been critically ex-
amined and the necessary corrections and explanations
made, the said Field Notes and the surveys they de-
scribe, are hereby approved.

J. W. Robinson
Surveyor General.