

atted
~~Book No. 17~~

A. P. Johnson Deputy Surveyor.

T. *21 N.* R. *21 E.*

Gila and Salt River Meridian.

No-400
FIELD NOTES

OF **BOOK 400**

THE SUBDIVISION LINES OF

Township *21 N.* Range *21 E.*

Gila and Salt River Meridian.

BY

A. P. Johnson Deputy Surveyor.

Under his Contract of *Aug. 5th* 1882.

Survey Commenced *March 29* 1883.

Survey Completed *March 31* 1883.

No-400
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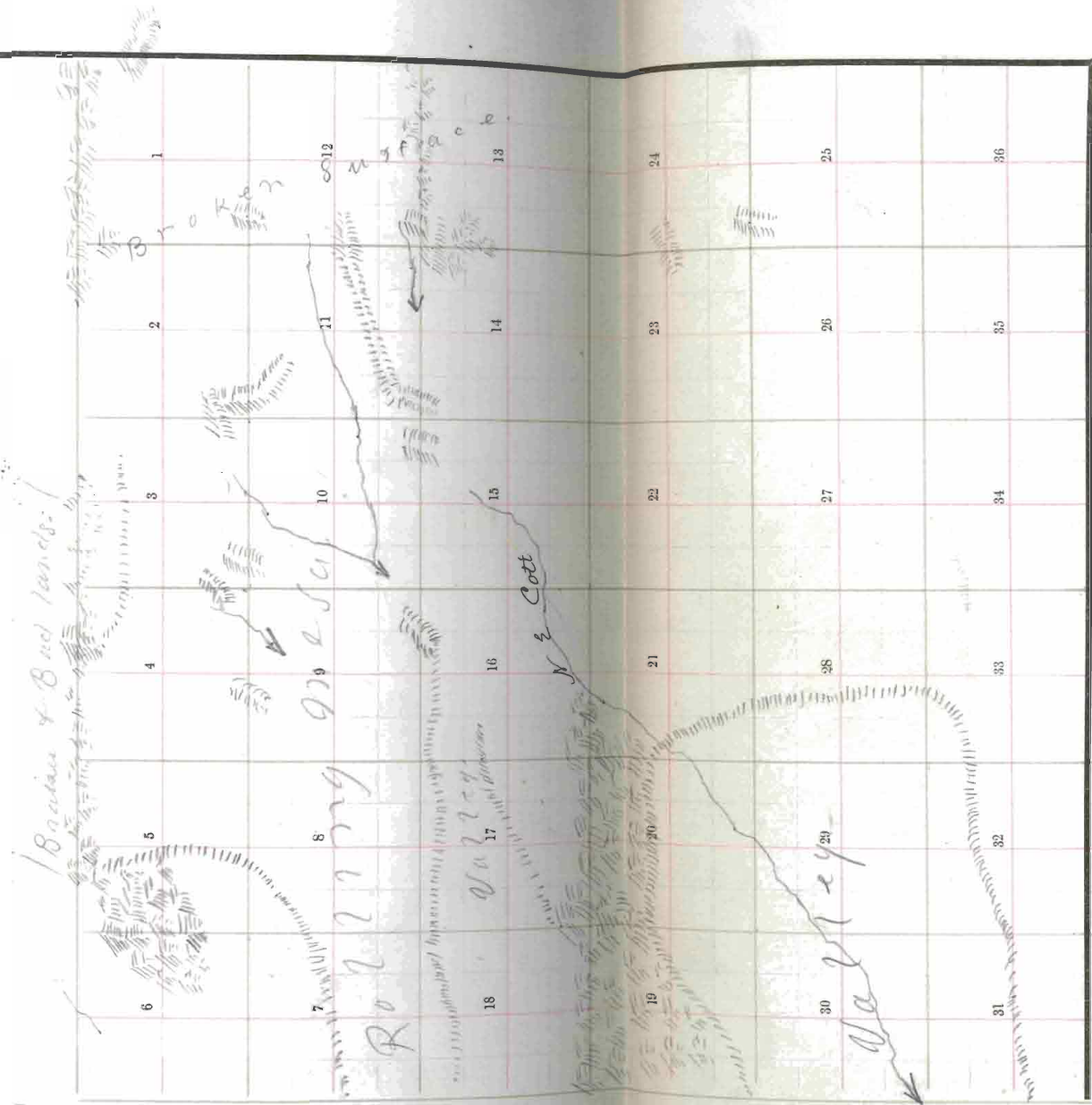
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400

Township No. 21 N. Range No. 21 E. *Section 3* *Standard Meridian.*

BOOK 400



Standard Meridian

BOOK 400

- TOWNSHIP PLOT
- Meridian Line,
- Base Line,
- Standard Line,
- Township Lines,
- Section Lines,
- Meander Lines,
- Office Work.

BOOK 400

1A

A. P. Johnson Deputy Surveyor.

T. *21 N.* R. *21 E.*

Gila and Salt River Meridian.

No-400
FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *21 N.* Range *21 E.*

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18

BOOK 400

Township 21 North, Range 21 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
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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Township _____ Range _____

Meridian.

For Preliminary Oaths
and description of instrument
see Book No. 1-

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

by *Otto Fennel* of *Cassel*

Germany in *1881*

1 ✓ Township
(See previous page.)

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

Standard
From the corner to Sections 35, 36, on the South boundary,

which is a post 4 ft. long
4 ins. square 12 ins. in the
ground marked S. C. T. 21 N.
R. 21 E. on N. S. 36 on E. and
S. 36 on W. faces, with 1 notch
on E. and 5 notches on W. faces, with
pits 18, 18 x 12 ins. N. E. & W. of post 5 1/2 ft.
dist. and a mound of earth 2 ft. high, 4 1/2 ft.
base ground. Post
North between sections 35 & 36

Variation 14° 18' East.

Over rolling land.

40.00

Set a sand stone 16 x 12 x 10 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 18 x 10 x 6 ins. 10 ins.
in the ground for Cor. to Secs. 25, 26, 35, 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 & Sagebrush.

Township 21 Range 8

Gila and Salt River Meridian.

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

Variation $14^{\circ} 18'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.84 Intersect C. B. of Tp. 10 Ws. N. of cor. to secs.

25. 30. 31. 36

which is a lava stone

21 x 13 x 7 ins. 15 ins. in the
ground marked with
1 notches on S. and 5
notches on N. edge with pits
18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft.

Dist. and a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
alongside. from which corner, I run

N. $89^{\circ} 53' W.$ on a true line, between sections 25 & 36Variation $14^{\circ} 15'$ East.

89.92 Set a Sand stone 13 x 12 x 10 ins., 8 ins.

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

79.84 The corner to sections 25. 26. 35. 36

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation

14° 45' East.

Over rolling land.

40.00

Set a Sand stone 16 x 12 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.

80.00

Set a Sand stone 15 x 13 x 12 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 3rd rate

Vegetation Grass & Sagebrush

Township

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Ascend.

11.30 Top of Ridge, bears $N. 60^{\circ} E. 0.60$ and descend.

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

79.90 Intersect E. B. of Tp. 19 lks. N. of cor. to secs.

19. 24. 25. 30
 which is a sand stone
 $26 \times 114 \times 7$ ins. 15 ins. in
 the ground marked with
 2 notches on S. and 4 notches on
 N. edges, with pile $18 \times 18 \times 12$ ins.
 in each sec. $5\frac{1}{2}$ ft. dist. and
 a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
 alongside from which corner, I run

$N. 89^{\circ} 42' W.$ on a true line, between sections 24 & 25
 Variation $14^{\circ} 18'$ East.

39.90 Set a sand stone $13 \times 12 \times 6$ 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.

79.80 The corner to sections 23, 24, 25, 26

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

21 N

Range

2 E

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation $14^{\circ} 48'$ East.*Descend.*

- 46.60 Cross low Sag and ascend.
- 38.00 Top of Ridge, bears $N. 70^{\circ} E. 6 S. 75'$ and descend.
- 46.00 Set a Sand stone $18 \times 13 \times 6$ ins., 12 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.
- 58.80 Cross low Sag and ascend.
- 80.00 Set a Sand stone $10 \times 12 \times 4$ ins. 10 ins. in the ground for Cor. to Secs. 13, 14, 23. 2 marked with 3 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 mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Descend.

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

86.20 Intersect E. B. of Tp. 18' Wks. S. of cor. to secs.

13. 18. 19. 24

which is a lava stone
 $18 \times 17 \times 9$ ins. 12 ins. in the
 ground marked with 3 notches
 on S. and 3 notches on N. edges,
 with pits $18 \times 18 \times 12$ in each sec.,
 $5\frac{1}{2}$ ft. dist. and a mound of
 earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside
 from which corner, I run

S. $89^{\circ} 52'$ W on a true line, between sections 13 & 24Variation $14^{\circ} 18'$ East.

40.10 Set a Sand stone $13 \times 12 \times 8$ 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.

82.20 The corner to sections 13. 14. 28. 24

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township 21 N Range 21 E

Gila and Salt River Meridian.

Chains North, between Sections 13 and 14.

Variation 14° 45' East.*Ascend.*

44.00 Set a Sand stone $18 \times 11 \times 7$ 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 $1\frac{1}{8}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

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

57.20 Cross low Sag and ascend.

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

80.00 Set a Sand stone $18 \times 13 \times 11$ ins. 18 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, $4\frac{1}{8}$ ft. base. alongside.

*Land mountainous.*Soil 3rd rateVegetation Grass & Sagebrush.

Township 21 N Range 31 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Ascend.

5.30 Top of Ridge, bears $N. 10^{\circ} W. 21.10'$ and descend.

39.40 Cross low Sag and ascend.

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

80.02 Intersect E.B. of Tp. 34 Tks. S. of cor. to secs.

7. 12. 13. 18

which is a sand stone
 $15 \times 11 \times 7$ ins. 10 ins. in the
 ground marked with 4 notches
 on S. and 2 notch on N.
 edges, with 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 from which corner, I run

S. $89^{\circ} 45' W$ on a true line, between sections

12 & 13

Variation $14^{\circ} 15'$ East.40.01 Set a Sand stone $11 \times 10 \times 9$ 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.

80.02 The corner to sections 11. 12. 13. 14

Land rolling.

Soil 3° rate

Vegetation Grass & Sagebrush.

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

Chains North, between Sections 11 and 12.

Variation 140 21-8' East.

Descend.

7.75 Cross Wash, 40 lks. wide, Course W and ascend.

36.70 Top of Ridge, bears N. 70° E. & S. 70° W and descend.

40.00 Set a Sand stone 12 x 11 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.

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

80.00 Set a Sand stone 10 x 12 x 9 ins. 10 ins. in the ground for Cor. to Secs. 1. 2. 11. 12 marked with 6 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation Chae & Sagebrush

Township 21 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Ascend.

13.50 Top of Ridge, bears $N 10^{\circ} E. 25.10'' W$ and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

59.96 Intersect E. B. of Tp. 13 lks. N. of cor. to secs.

1. 6. 7. 12

which is a lava stone
 $14 \times 10 \times 6$ ins. 10 ins. in
 the ground marked with
 5 notches on S. and 1 notch
 on N. edges, with 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 from which corner, I run

$N 89^{\circ} 54' W$ on a true line, between sections 1 & 12

Variation $14^{\circ} 18'$ East.

39.98 Set a Sand stone $17 \times 15 \times 13$ ins., 12 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ ins., 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 1. 2. 11. 12

Land mountainous.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush

Township 21 N Range 10 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Over broken land.

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

80.23 Intersect N. B. of Tp. 26 lks. E. of cor. to secs. previously set by me.

1. 2. 25. 30 from which corner, I run

S. 11. E. on a true line, between sections 1 & 2

Variation $14^{\circ} 48'$ East.

40.28 Set a Sand stone $18 \times 12 \times 10$ 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.

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

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

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

A. P. Johnson
March 29, 1883

Township

21 N Range 21 E

Gila and Salt River Meridian.

Chains

Standard
From the corner to sections, 34 & 36 on S. By of 57-
which is a sand stone
14 x 7 x 1 ins. 10 ins. in the ground
marked S. C. with 2 notches
on E. and 4 notches on W.
edges, with pits 18 x 18 x 12 ins.
N., E., and W. of stone, 5 1/2 ft. dist.
and mound of earth 2 ft. high
4 1/2 ft. base, alongside. This is the same I run
North between sections 34 & 36

Variation 14° 18' East.

Over broken land.

4000 Set a Sand stone 18 x 10 x 6 ins., 12 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 Lava stone 20 x 10 x 6 ins., 16 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 mountainous.

Soil 2nd rats

Vegetation Grass & Sagebrush

Township

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Over rolling land.

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

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

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

$89^{\circ} 46'$ W. on a true line between sections 26 & 30

Variation $14^{\circ} 48'$ East

40.19 Set a Sand stone $20 \times 10 \times 9$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on S 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.

80.38 The corner to sections 26, 27, 34, 30

Land rolling.

Soil 3^d rate

Vegetation Grass & Sagebrush.

Township 21 N Range 21 E

Gila and Salt River Meridian.

Chains North, between Sections 26 and 27.

Variation 118' 26.8" East.*Over rolling land.*

46.00 Set a Lava stone $18 \times 10 \times 5$ 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.

80.00 Set a Lava stone $20 \times 10 \times 4$ ins. 16 ins. in the ground for Cor. to Secs. 22, 28, 36, 2 marked with 2 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 & Sagebrush

Township 21 N Range 21 E

Gila and Salt River Meridian.

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

Variation 14° 45' East.

Ascend.

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

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

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

$S 89^{\circ} 57' W.$ on a true line between sections 23 & 26

Variation 14° 45' East

79.98 Set a sand stone $14 \times 13 \times 9$ 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.

79.97 The corner to sections 23, 24, 26, 27

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush

Township 21 N. Range 21 E.

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation $14^{\circ} 48'$ East.

Over rolling land.

40.00

Set a Sand stone $20 \times 10 \times 6$ ins., $1\frac{1}{2}$ 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 Lava stone $15 \times 10 \times 6$ ins. 10 ins. in the ground for Cor. to Secs. 14. 15. 22. 23 marked with 2 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 3° rate

Vegetation Grass & Sagebrush.

Township 21 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Descend.

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

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

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

N. $89^{\circ} 48'$ W. on a true line between sections 14 & 23

Variation $14^{\circ} 48'$ East.

39.84 Set a Sand stone $12 \times 14 \times 9$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on E.W. 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 14. 15. 22. 23

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

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

Chains North, between Sections 14 and 15.
Variation 11° 45' East.

Over rolling land.

40.00 Set a Sand stone $12 \times 10 \times 5$ 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 and descend.

78.40

Cross low Sag and ascend.

80.00

Set a Sand stone $16 \times 13 \times 12$ ins. 10 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 $18 \times 18 \times 12$ 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 g^{oo} rate

Vegetation Grass & Sagebrush.

19 Township 21 N. Range 21 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 11 and 14.
Variation 14° 48' East.

Ascend.

8.40 Top of Ridge, bears N. 15° E. 5.15 W and descend.

40.00 Set temporary 1/2 sec. cor.

79.82 Intersect N. & S. line, 16⁻ lks. N. of cor. to secs.

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

N. 89° 54' W. on a true line between sections 11 & 14
Variation 14° 48' East.

39.91 Set a Sand stone 13 x 11 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

79.82 The corner to sections 10, 11, 14, 15

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township 21 N. Range 21 E.

Gila and Salt River Meridian.

Chains North, between Sections 10 and 11.

Variation 14° 48' East.

Descend.

22.50 Cross Wash, 100 fms. wide, Course W. and ascend42.00 Set a Sand stone 12 x 10 x 9 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. alongside80.00 Set a Sand stone 13 x 10 x 8 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 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 2 $\frac{1}{2}$ & 3 $\frac{1}{2}$ rateVegetation Grass & Sagebrush.

Township

21 N

Range

21 E

Gila and Salt River

Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Ascend.

8.40

Top of Ridge, bears $N. 4^{\circ} W. 54^{\circ} E$ and descend.

40.00

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

80.14

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

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

$N. 89^{\circ} 47'$ W. on a true line between sections 2 & 11

Variation $14^{\circ} 48'$ East.

40.07

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 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.

80.14

The corner to sections 2. 3. 10. 11

Land mountainous.

Soil 3° rate

Vegetation Grass & Sagebrush.

Township 21 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 51'$ East.

Ascend.

13.20 Top of Ridge, bears $N. 62^{\circ} E. 2 S. 62^{\circ} W.$ and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.17 Intersect N. B. of Tp. 19 W. of cor. to secs.
previously set by me.

2. 3. 34. 35 from which corner, I run

S. 8. W. on a true line, between sections 2 & 3

Variation $14^{\circ} 48'$ East.40.17 Set a Sand stone $16 \times 13 \times 10$ 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.

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

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

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

G. M. Carson

Compassman

March 29 1883

Township 21 N Range 21 E

Gila and Salt River Meridian.

Chains

Standard
 From the corner to sections, 33 & 34 on S. By of *Sp*
 which is a sand stone
 12 x 10 x 2 ins. 8 ins. in the
 ground marked S. C. with
 3 notches on E. and 3 notches
 on W. edges, with pits 18 x 18 x 12 ins.
 N. E. and W. of stone, 5 1/2 ft.
 dist., and a mound of earth 2 ft.
 high 4 1/2 ft. base. alongside I run.
 North between sections 33 & 34

Variation 41° 15' East.

Over rolling land.

40.00

Set a Sand stone 12 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 16 x 12 x 8 ins. 10 ins.
 in the ground for Cor. to Secs. 27, 28, 33, 34 marked
 with 1 notch on S. and 3 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 3 R rate

Vegetation Grass & Sagebrush.

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

Chains

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

Variation $14^{\circ} 48'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

26, 27, 28, 34 from which corner, I run

80.17 $129^{\circ} 54'$ W. on a true line between sections 27 & 34Variation $14^{\circ} 48'$ East

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

80.17 The corner to sections 27, 28, 33, 34

*Land rolling.*Soil 3^d rats

Vegetation Grass & Sagelush.

Township 21 N. Range 31 E.

Gila and Salt River Meridian.

Chains North, between Sections 27 and 28.

Variation 14° 48' East.

Over rolling land.

40.00 Set a Sand stone 16 x 10 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 alongside.

80.00 Set a Sand stone 14 x 10 x 8 ins. 12 ins. in the ground for Cor. to Secs. 21, 22, 27, marked with 2 notches on S. and 3 notches on E. : 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 & Sagebrush.

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

Chains East, on a random line between Sections 22 and 27.
Variation 14° 48' East.

Over rolling land.

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

79.80 Intersect N. & S. line, 28 lks. N. of cor. to secs.
22. 23. 26. 27 from which corner, I run

11.89. 50. W. on a true line between sections 22 & 27
Variation 14° 48' East.

39.95 Set a Sand stone 16 x 12 x 7 ins., 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone
5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high,
3 $\frac{1}{2}$ ft. base. alongside

79.80 The corner to sections 21. 22. 27. 28
Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush

Township

21 N

Range

21 E

Gila and Salt River

Meridian.

Chains

North, between Sections 21 and 22.

Variation 14° 45' East.

Over rolling land.

46.00 Set a Sand stone 20 x 10 x 5 ins., 16 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 Lava stone 12 x 10 x 6 ins. 8 ins. in the ground for Cor. to Secs. 10. 16. 21. 22 marked with 3 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 & Sagebrush.

Township 21 N. Range 21 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 48' East.

Over rolling land.

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

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

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

S. 89° 54' W. on a true line between sections 15 & 22

Variation 14° 48' East.

89.89 Set a Sand stone 10 x 10 x 6 ins., 0 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

79.78 The corner to sections 15, 16, 21, 22

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

21 N

Range

21 E

Gila and Salt River

Meridian.

Chains

North, between Sections 15 and 16.

Variation

14° 45' East.

Over level land

21.50 Cross N. E. fork of Cottonwood
Creek, 80 yds. wide, Course W.40.00 Set a Lava stone 16 x 9 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 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high,
3 $\frac{1}{2}$ ft. base. alongside80.00 Set a Sand stone 20 x 16 x 8 ins. 16 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 level.

Soil 3.00 rate

Vegetation Grass & Sagebrush.

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

Chains East, on a random line between Sections 10 and 15.
 Variation $111^{\circ} 48'$ East.

Ascend. Over rolling land.

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

61.30 Top of Ridge, bears $N. 10^{\circ} E$ & $S. 10^{\circ} W$ and descend.

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

10. 11. 14. 16 from which corner, I run

$S. 89^{\circ} 48'$ W. on a true line between sections 10 & 15

Variation $111^{\circ} 48'$ East.

39.50 Set a Sand stone $14 \times 16 \times 11$ 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

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

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

21 N

Range

21 E

Gila and Salt River

Meridian.

Chains

North, between Sections 9 and 10.

Variation

11° 45'

East.

Ascend. Over broken land.

40.00

Set a Sand stone 10 x 14 x 11 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., 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 13 x 7 ins., 10 ins. in the ground for Cor. to Secs. 3, 4, 9, 10, marked with 5 notches on S. and 3 notches on E. edges, 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 & Sagebrush.

Township 21 N Range 21 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 3 and 10. Variation 14° 48' East.

Ascend.

10.00 Top of Ridge, bears N. 10° E & S. 10° W. and descend.
40.00 Set temporary 1/2 sec. cor.
42.00 Cross Wash, 70 lks. wide, Course S. W. and ascend.
79.91 Intersect N. & S. line, 19 lks. S. of cor. to secs. 3, 4, 9, 10 from which corner, I run S. 89° 52' W. on a true line between sections 3 & 10

Variation 14° 48' East.

39.90 Set a Sand stone 12 x 11 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

79.91 The corner to sections 3, 4, 9, 10 Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

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

Chains

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

Variation 14° 51' East.

Ascend.

10.30

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

40.00

Set temporary 1/4 sec. cor.

79.88

Intersect N. B. of Tp. 30 lks. W. of cor. to secs. previously set by me.

S. 4. 38. 34 ^ from which corner, I run

S. 13' W. on a true line between sections 3 & 4.

Variation 14° 45' East.

39.88

Set Sand stone 10 x 10 x 10 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

79.88

The corner to sections 3. 4. 9. 10

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

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

A. P. Johnson
March. 30. 1883

Township 21 N Range 31 E

• Gila and Salt River Meridian.

Chains

Standard
From the corner to sections, 32 & 33 on S. Ry of ~~ST~~
Which is a lava stone $12 \times 8 \times 2$
ins. 8 ins. in the ground
marked S. C. with 4 notches
on E. and 2 notches on W. edges,
with pits $18 \times 18 \times 12$ ins. N. E. and
W. of stone, $5\frac{1}{2}$ ft. dist., and
a mound of earth 2 ft. high,
 $4\frac{1}{2}$ ft. base, alongside I run,
North between sections 32 & 33

Variation $14^{\circ} 18'$ East.

Descend. Over rolling land.

40.00 Set a Sand stone $18 \times 10 \times 6$ 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.

60.00

Enter Valley, bears N. $80\frac{1}{2}^{\circ}$ E.

80.00

Set a Sand stone $16 \times 10 \times 5$ 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 $18 \times 18 \times 12$ 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 & Sagebrush

Township

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.*Over level land*28.00 Leave Valley, bears $N. 21^{\circ} E$ and ascend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.40 Intersect N. & S. line, 6 lks. S. of cor. to secs.

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

S. 89.57' W. on a true line between sections 28 & 33

Variation $14^{\circ} 48'$ East100.20 Set a sand stone $21 \times 12 \times 6$ ins., 16 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.

100.40 The corner to sections 28, 29, 32, 33

Land level rolling.

Soil 3^d rate

Vegetation Grass & Sagebrush.

Township 191 N Range 21 E
Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation 11' 45' East.

Over level land

40.00 Set a Sand stone 20 x 12 x 6 ins., 15 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 26 x 12 x 5 ins. 19 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. alongside.

Land level.

Soil 3rd - rateVegetation Grass & Sagebrush

Township

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Over level land

36.00 Leave Valley, bears $N 2^{\circ} S$ and ascend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

11, 22, 27, 28 from which corner, I run

 $S. 89^{\circ} 58' W.$ on a true line between sections 21 & 28Variation $14^{\circ} 48'$ East

40.12 Set a sand stone $21 \times 11 \times 6$ 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.

80.24 The corner to sections 20, 21, 28, 29

Land rolling.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush

Township

21 N

Range

21 E

Gila and Salt River

Meridian.

Chains

North, between Sections 20 and 21.

Variation

14° 45'

East.

Over level land

30.00

Cross Wash, 70 lks. wide, Course S. W.

42.00

Set a Sand stone 10 x 10 x 6 ins., 6 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, 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

Leave Valley, bears E. & W. and ascend.

80.00

Set a Sand stone 17 x 12 x 5 ins. 12 ins. in the ground for Cor. to Secs. 16. 17. 20. 21 marked with 3 notches on S. and 4 notches on E. edges, 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 & Sagebrush.

Township 21 N

Range 21 E

Gila and Salt River

Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Over broken land.

30.00 Leave bad lands.

38.00 Cross N. E. fork of Cottonwood Creek, 70 lks. wide, Course S. W. and ascend.

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

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

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

N. $49^{\circ} 48'$ W. on a true line between sections 16 & 21

Variation $14^{\circ} 48'$ East.

40.06

Set a Flint stone $10 \times 10 \times 7$ 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

30.13

The corner to sections 16. 17. 20. 21

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

21 N.

Range

21 E.

Gila and Salt River

Meridian.

Chains

North, between Sections 16 and 17.

Variation

14° 48'

East.

Descend. Over broken land.

40.00 Set a Lava stone 17 x 12 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

67.00 Enter Valley, bears, N. $61\frac{1}{2}^{\circ}$ E. & S. $61\frac{1}{2}^{\circ}$ W.

78.00 Leave Valley, bears N. 60° E. & S. 60° W. and ascend.

80.00 Set a Sand stone 24 x 12 x 10 ins. 78 ins. in the ground for Cor. to Secs. 8. 9. 16. 17 marked with $\frac{1}{4}$ notch on S. and $\frac{1}{4}$ 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 level. \mathcal{F} mountainous.

Soil 3:0 rate

Vegetation Grass & Sagebrush.

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

Chains

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

Variation 14° 48' East.

Ascend.

40.00

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

64.00

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

72.00

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

79.84

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

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

N. 89° 53' W. on a true line between sections 9 & 16

Variation 14° 48' East.

79.84

Set a Sava stone 24 x 10 x 4 ins., 18 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., 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 8. 9. 16. 17

Land mountainous. level.

Soil 2nd rate

Vegetation Grass & Sagebrush.

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

Chains

North, between Sections 8 and 9.

Variation 11° 45' East.*Ascend.*40.00

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

80.00

Set a Sand stone $17 \times 10 \times 7$ ins. 12 ins. in the ground for Cor. to Secs. 4, 5, 8, 9 marked with 8 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 rateVegetation Grass & Sagebrush.

Township

21 N

Range

21 E

Gila and Salt River

Meridian.

Chains

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

Variation

14° 11' 5"

East.

Ascend. Over broken land.

36.00

Top of Ridge, bears N. 16° E. & S. 16° W. and descend.

40.00

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

68.00

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

79.78

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

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

S. 89° 46' W. on a true line between sections 4 & 9

Variation 14° 48' East.

39.89

Set a Sand stone 13 x 12 x 9 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

72.75

The corner to sections 4. 5. 8. 9

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

71 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 51'$ East.

Ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.12 Intersect N. B. of Tp. 12 Ns. E. of cor. to secs.
previously set by me.
H. 5. 32. 33 from which corner, I run

S. 5. 8 on a true line, between sections H. 5

Variation $14^{\circ} 45'$ East.80.17 Set a Sand stone $12 \times 9 \times 7$ 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.

80.18 The corner to sections H. 5. 8. 9

Land mountainous.

Soil $3\frac{1}{7}$ rate

Vegetation Grass & Sagebrush.

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

G. M. Carson.

Compassman

March 30, 1883

Township 21 N Range 31 E

Gila and Salt River Meridian.

Chains *Standard*
 From the corner to sections, 31 & 32 on S. B. of ~~of~~
 which is a lava stone
 16 x 3 x 2 ins. 10 ins. in the
 the ground marked S. C., with
 5 notches on E. and 1 notch
 on W. edges with pits 18 x 18 x 12
 ins. N. E. and W. of stone, 5 1/2 ft.
 dist., and a mound of earth
 2 ft. high, 4 1/2 ft. base, alongside I run,
 North between sections 31 & 32

Variation 14° 18' East.

Descend. Over rolling land.

40.00 Set a "Sand" stone 18 x 12 x 6 ins., 12 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

43.00 Enter Valley, bears E. & W.

80.00 Set a "Sand" stone 21 x 14 x 9 ins. 16 ins.
 in the ground for Cor. to Secs. 29, 30, 31, 32 marked
 with 1 notch on S. and 6 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. level.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township 21 N Range 31 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 48' East.

Over level land

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

77.70 Intersect N. & S. line, 46 lks. N of cor. to secs. 29. 29. 32. 33 from which corner, I run

1.29° 40' W. on a true line between sections 29 & 32

Variation 14° 48' East

39.50 Set a sand stone 18 x 10 x 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face, dug pits 8 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 29. 30. 31. 32

Land level.

Soil 3rd rate

Vegetation Grass & Sagebrush

A. P. Johnson
March 31, 1883

Chains

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

Variation 14° 48' East.

Over level land

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

79.00 Intersect W. B. of Tp. 26 lks. S. of cor. to secs. previously set by me.

20. 30. 31. 34 from which corner, I run

S. 89° 19' E on a true line, between sections 30 & 31

Variation 14° 50' East.

89.00 Set a sand stone 18 x 10 x 9 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.

79.00 The corner to sections 29. 30. 31. 32

Land level.

Soil 3rd rate

Vegetation Grass & Sagebrush.

G. M. Carson

Compassman

March 31, 1883

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

Chains

North, between Sections 29 and 30.

Variation 14° 48' East.

Over level land

40.00 Set a Sand stone 20 x 10 x 7 ins., 1 1/2 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, along side.

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

80.00 Set a Sand stone 12 x 6 x 8 ins. 8 ins.
in the ground for Cor. to Secs. 19, 20, 29, 30 marked
with 2 notches on S. and 6 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.

Land level.

Soil gr rotiVegetation Grass & Sagebrush

Township 21 N Range 21 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 20 and 29.
Variation $140^{\circ} 218'$ East.

Over level land

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

46.00 Cross Wash, 40 lks. wide, Course S. W. and ascend.

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

20, 21, 28. From which corner, I run

W. on a true line between sections 20 & 29

Variation $140^{\circ} 218'$ East

3993 Set a Sand stone $16 \times 10 \times 7$ 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.

49.86 The corner to sections 20, 21, 29, 30

Land level.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush.

A. P. Johnson

March 31st 1883

Township 21 N. Range 21 E.

Gila and Salt River Meridian.

Chains West, on a random line between Sections 19 and 30.
Variation 14° 48' East.

Over level land

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

49.28 Intersect W. B. of Tp. 15 Nks. N. of cor. to secs. previously set by me.
19.24. 26. 30 from which corner, I run

N. 19. 54. On a true line, between sections 19 & 30
Variation 14° 30' East.

39.28 Set a Sand 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.

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

Land level.

Soil 3rd rate

Vegetation Grass & Sagebrush.

G. M. Carson
Compassman
March 31st 1883

Township 21 N Range 1 E

Gila and Salt River Meridian.

Chains North, between Sections 19 and 20.

Variation 14° 48' East.

Over level land

40.00 Set a Sand stone $16 \times 14 \times 8$ 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.

50.00 Leave Valley, bears E. & N. and ascend.

80.00 Set a Sand stone $14 \times 10 \times 6$ ins. 10 ins. in the ground for Cor. to Secs. 17, 18, 19, marked with 8 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 level. rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township 21 N

Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation 11° 48' East.

Ascend.

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

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

16.17.20.2 from which corner, I run

1.89.52 W. on a true line between sections 17 & 20.

Variation 11° 48' East

27.97

Set a Sand stone $20 \times 12 \times 6$ 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.

72.92

The corner to sections 17 18 19 20

Land mountainous.

Soil 2nd rate

Vegetation Grass & Sagebrush

A. P. Johnson

March 31st 1883

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

Chains West, on a random line between Sections 18 and 19.
 Variation $14^{\circ} 48'$ East.

Over broken land.

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

79.04 intersect W. B. of Tp. 27 lks. N. of cor. to secs.
 previously set by me.
 13. 18. 19. 24 from which corner, I run
 $N. 89^{\circ} 44'$ on a true line, between sections 18 & 19
 Variation $14^{\circ} 30'$ East.

89.04 Set a sand stone $12 \times 10 \times 6$ 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.

79.04 The corner to sections 17, 18, 19, 20

Land rolling.

Soil 3° rate

Vegetation Grass & Sagebrush.

D. M. Carson.

Compassman

March 31st 1883

Township 21 S. 11 E. Range 7 E.

Gila and Salt River Meridian.

Chains North, between Sections 17 and 18.
Variation $14^{\circ} 45'$ East.

Descend. Over broken land.

17.00 Leave bad lands. Enter Valley, bears
40.00 Set a Sand stone $18 \times 12 \times 8$ 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.

78.00 Leave Valley, bears E to N and ascend.

80.00 Set a Lava stone $20 \times 10 \times 3$ ins. 10 ins.
in the ground for Cor. to Secs. 7, 8, 17, 18 marked
with 4 notches on S. and 6 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.

Land rolling.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush

Township

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Over level land

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

P.C. 16 Intersect N. & S. line, 40 lks. S. of cor. to secs.

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

S. 89. 43 W. on a true line between sections 8 & 17

Variation $14^{\circ} 48'$ East

40.08 Set a Sand stone $20 \times 12 \times 5$ ins., $\frac{1}{16}$ 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.

P.C. 16 The corner to sections 17, 8, 16, 18

Land level.

Soil 3° rate

Vegetation

Grass & Sagebrush.

A. P. Johnson

March 31st 1883

Township 21 S

Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 45' East.

Over level land

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

72.50 Intersect W. B. of Tp. 19 lks. S. of cor. to secs. previously set by me.

7. 2. 13. 18 from which corner, I run

S. 89° 52' on a true line, between sections 7 & 18

Variation 14° 00' East.

38.50 Set a Sand stone 16 x 12 x 9 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., 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.

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

Land level.

Soil 3rd rate

Vegetation Grass & Sagebrush

Township 21 N. Range 21 E.

Gila and Salt River Meridian.

Chains North, between Sections 7 and 8.

Variation 14° 45' East.

Over rolling land.

45.00 Set a Lava stone 18 x 12 x 10 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, 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.

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

80.00 Set a Lava stone 24 x 12 x 7 ins., 18 ins. in the ground for Cor. to Secs. 5, 6, 7, 8 marked with 5 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 3^d rate

Vegetation

Grass & Sagebrush

G. M. Carson

Compassman

March 31st 1883

Township

Range

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 48'$ East.

Over level land

38.00 Leave Valley, bears $N. 62\frac{1}{2}^{\circ} E.$ and ascend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

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

45.89 from which corner, I run

 $N. 29^{\circ} 00' W.$ on a true line between sections 5 & 8Variation $14^{\circ} 48'$ East

40.17 Set a sand stone $17 \times 13 \times 3$ ins., 12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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.

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

Land level and rolling.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush.

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

A. P. Johnson
March 31st 1883

Township

21 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 45'$ East.*Over level land*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

7797

Intersect W. B. of Tp. 8 lks. N of cor. to secs.
previously set by me.1. 6. 7. 12 \wedge from which corner, I run

N. 89° 57' E. on a true line, between sections 6 & 7

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

8797

Set a lava stone $14 \times 10 \times 6$ 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.

7795

The corner to sections 6 6. 7. 8

*Land level.*Soil 3rd rate

Vegetation Grass & Sagebrush

Township 21 N Range 31 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 51'$ East.

Over level land

20.00 Over level land

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

72.00 Over level land

79.94 Intersect N.B. of Tp. 19 lks. E. of cor. to secs. previously set by me.

5. 6. 31. 32 from which corner, I run

S. 8' E. on a true line, between sections 5 & 6

Variation $14^{\circ} 48'$ East.

39.94 Set a Sand stone $12 \times 7 \times 3$ 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

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

Land rolling.

Soil $\frac{3}{4}$ rate

Vegetation Grass & Sagebrush.

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

G. M. Barton
Compassman.

March 31, 1883

BOOK 400
GENERAL DESCRIPTION.

This township contains mountains
and plain.

The soil is a sandy loam,
in the plains gravel and loam in
the mountains.

It is covered with an abundant
growth of nutritious grasses affording
good grazing. It can be classed as
second rate and will produce in
fescue without irrigation.

Final Oaths for Surveys.

LIST OF NAMES.

A list of the names of the individuals employed by
A. P. Johnson, United States
 Deputy Surveyor, to assist in running, measuring, and marking
 the lines and corners described in the foregoing field-notes of the
 survey of the 6th Standard line North
 along S. B. Tps 25 & R. 18, 19, 20 & 21
 E. The Auxiliary Guide Meridian
 along N. B. Tps 21, 22, 23, & 24 & R.
 21 E, and the Exterior and Subdivision
 lines of Tps 21, 22, 23, & 24 & R.
 18, 19, 20 & 21 E G. & A. R. M

showing the respective capacities in which they acted.

G. M. Carson, Compassman.

M. M. Harlaw, Chainman.

Henry Kerold, Chainman.

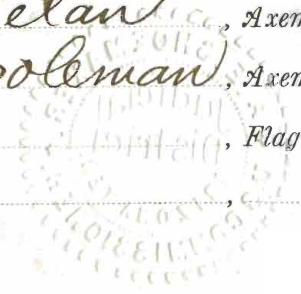
Thomas Donohue, Chainman.

John J. Mahan, Chainman.

John Phelan, Axeman.

Geo. B. Coleman, Axeman.

_____, Flagman.



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Final Oaths of Assistants.

We hereby certify that we assisted A. P. Johnson

....., United States Deputy Surveyor,
in surveying all those parts or portions of the 6th Standard
line north along S. 19 Tps 25 N R 18.
19. 20 + 21 E. The Auxiliary Guide Meridian
along N. 21. 22. 23 + 24 N. R 21 E and
the Exterior and Subdivision lines of Tps 21
22. 23 + 24 N. R 18. 19. 20 + 21 E
of the Gila and Salt River base and

Meridian, Territory of Arizona as are
represented in the foregoing field-notes as having been surveyed by
him and under his direction; and that said survey has been in all
respects, to the best of our knowledge and belief, well and faith-
fully surveyed, and the corner monuments established according
to the instructions furnished by the United States Surveyor-Gen-
eral for Arizona

G. W. Carson, Compassman.

M. M. Harlan, Chainman.

Henry H. Ertle, Chainman.

Thomas Donohue, Chainman.

John J. Mahan, Chainman.

John Phelan, Axeman.

Geo. B. Coleman, Axeman.

....., Flagman.

Subscribed and sworn to before me this 4th
day of April, 1883

A. E. Shoemaker
U. S. Commissioner, 3d Judicial District.

Arizona Territory.

Final Oath of United States Deputy Surveyor.

I, A. P. Johnson,United States Deputy Surveyor, do solemnly swear that in pursuance of instructions received from John H. Watson, United States Surveyor-General for Arizona,bearing date of the 5th day of August, 1882,I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor-General for Arizona,the surveying manual, and the laws of the United States, surveyed all those parts or portions of the 6th Standardline North along T. 19. Tps 25 N. Rs 18. 19. 20 + 21 E. The Auxiliary Guide Meridian along N. B. Tps 21. 22. 23 + 24 N. R 21 E and the Exterior and Subdivision lines of Tps 21. 22. 23 + 24 N. R. 18. 19. 20 + 21 Eof the Gila and Salt River base and Meridian in the Territory of Arizona,

as represented in the foregoing field-notes as having been surveyed by me and under my directions; and I do further solemnly swear

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 that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field-notes, and that the foregoing are the true field-notes of such survey; and, should any fraud be detected, I will suffer the penalty of perjury, under the provisions of an Act of Congress, approved August 8, 1846.

A. P. Johnson,
 United States Deputy Surveyor.

Subscribed and sworn to before me this 14th
 day of April, 1883

A. E. Shoemaker
 U. S. Commissioner, 3d Judicial District,
 Arizona Territory.

U. S. Surveyor General's Office,
Tucson, Arizona, July 26, 1883

The foregoing Field Notes of the survey of the
Subdivision lines of Township
21 North, Range 21 East

of the Gila and Salt River Base and Meridian, Arizona,
executed by A. P. Johnson,
D. S., under his contract of the 5th day of
August, 1852, 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. M. Robbins

Surveyor General.