

Book No. 12

Deputy Surveyor.

T. 22

R. 21

Gila and Salt River Meridian.

BOOK 435

FIELD NOTES

OF

No. 435

THE SUBDIVISION LINES OF

Township 22

Range 21

Gila and Salt River Meridian.

BY

Deputy Surveyor.

Under his Contract of

Aug 5th 1882

Survey Commenced

March 5th 1883

Survey Completed

March 7th 1883

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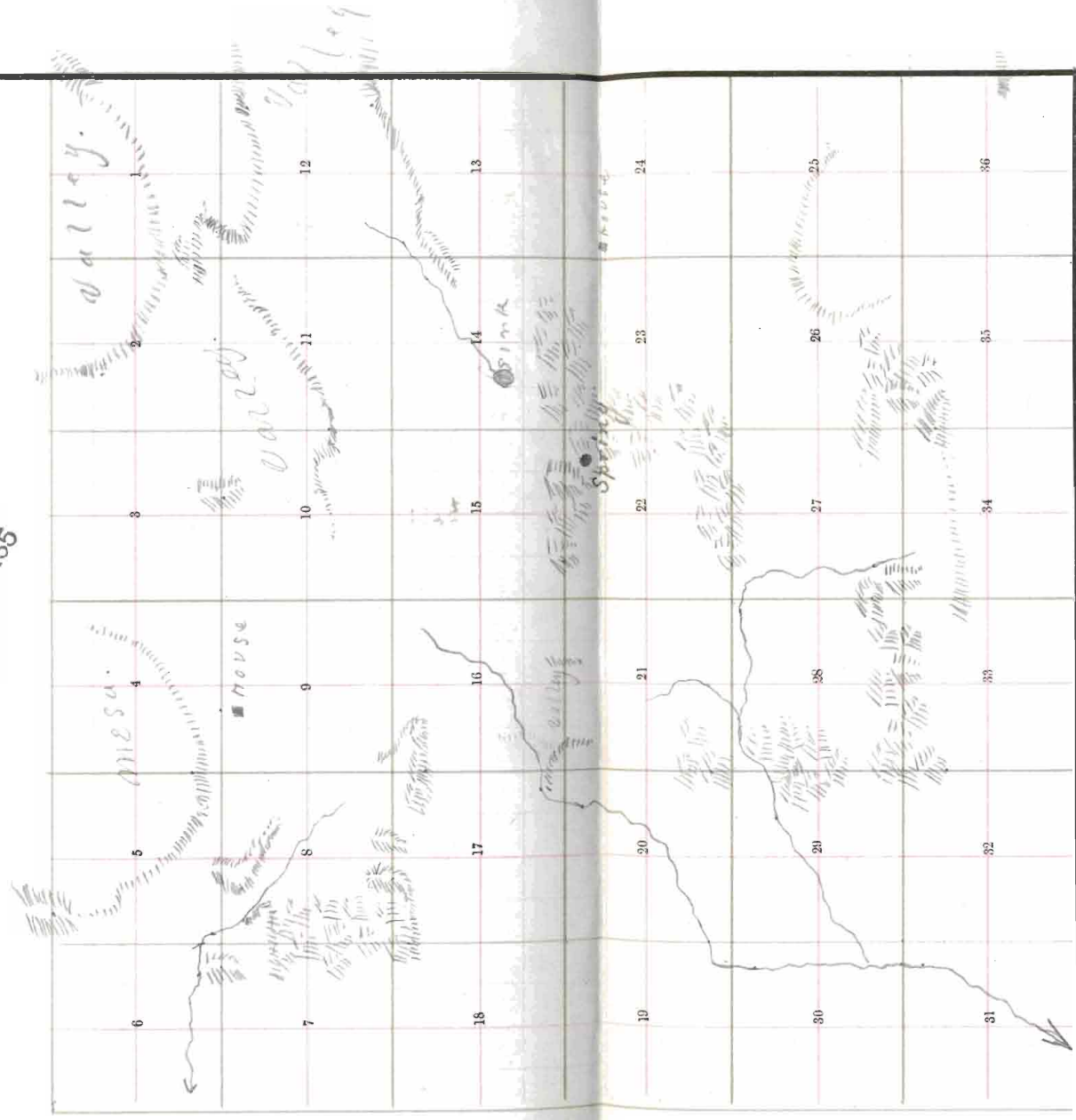
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Township No. 22 N. Range No. 21 E. *E. G. My Last Round Meridian.*

BOOK 435



BOOK 435

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

No. 435

BOOK

435

A. P. Johnson Deputy Surveyor.

T. *22* R. *21*

Gila and Salt River Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *22* Range *21*

Gila and Salt River Meridian.

BY

A. P. Johnson Deputy Surveyor.

Under his Contract of *Aug 5th* 188*2*

Survey Commenced *March 5th* 188*3*

Survey Completed *March 7th* 188*3*

*Platted,
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1A

BOOK 435

Township 22 North, Range 21 East,
Gila and Salt River Base and Meridian.

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

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Township

Range

Meridian.

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

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

Before proceeding to subdivide this Tp., I made a
change of 5 minutes in the latitude arc of my
solar compass by subtracting same from
the reading previously given, and at noon verified
and corrected same by observation on the sun. I also
further tested instrument by reversing.

1C

Township

Range

(See previous page.)

Gila and Salt River Meridian.

Chains

previously set by me.

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

Variation *N. 51'* East.

Over rolling land.

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

Cross low Sag and ascend.

Set a Sand stone 7 x 10 x 9 ins. 12 ins. in the ground for Cor. to Secs. 25, 26, 35, 36 marked with 1 notch on S. and 1 notch on E. edges, 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 rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush

Township 22 N. Range 21 E.

Gila and Salt River Meridian.

Chains

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

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

Over rolling land.

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

80.12 Intersect E. B. of Tp. 12 Ns. S. of cor. to secs.

25. 30. 31. 36

which is a sand stone
 $30 \times 20 \times 8$ ins. 21 ins. in. the
 ground marked with 1 notch
 on S. and 5 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

S 89. 55' W on a true line, between sections 25 & 36

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

40.06 Set a Sand stone $13 \times 10 \times 8$ ins., 8
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
 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.

80.12 The corner to sections 25. 26. 35, 36

Land rolling.

Soil 2^{nd} rate

Vegetation Grass & Sagebrush.

Township 22 N.

Range 21 E.

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

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

30.00 Enter Valley, bears E. & W.
 40.00 Set a Sand stone $15 \times 12 \times 11$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

50.00 Edge of Mesa bears E. & W. and ascend

70.00 Top of Mesa bears E. & W. and descend

80.00 Set a Sand stone $18 \times 17 \times 16$ ins. 12 ins. in the ground for Cor. to Secs. 23, 24, 25, 26 marked with 2 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous. & level.

Soil 3% rats

Vegetation Grass & Sagebrush.

Township 22 N. Range 21 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 24 and 25.
 Variation $14^{\circ} 51'$ East.

Descend.

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

80.15 Intersect C. B. of Tp. 15 lks. N. of cor. to secs.

19. 24. 26. 30

which is a sand stone $20 \times 11 \times 9$ ins. 15 ins. in the ground marked with 2 notches on S. and 4 notches 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 24 & 25

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

40.07 Set a sand stone $15 \times 10 \times 9$ ins., 10

ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits

impracticable.

80.15 The corner to sections 23. 24. 26. 26

Land rolling.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush.

Township

22 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

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

40.00 Set a sand stone $12 \times 8 \times 7$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

60.00 A House bears H. 15 chs. east of line

80.00 Set a sand stone $16 \times 10 \times 5$ ins. 10 ins. in the ground for Cor. to Secs. 13. 14. 23. 24 marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

*Land rolling.*Soil 3rd rate

Vegetation Grass & Sagebrush.

Township 22 N. Range 21 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 57'$ East.

Descend.

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

79.86 Intersect E. B. of Tn. 10 lks. N. of cor. to secs.

13. 18. 19. 24

which is a lava stone
 $12 \times 10 \times 8$ ins. 8 ins. in the
 ground marked with 3 notches
 on S. and 3 notches on N. edges,
 with pits $18 \times 18 \times 12$ 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. $89^{\circ} 56' W$ on a true line, between sections 13 & 24Variation $14^{\circ} 51'$ East.

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

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

N. face, dug pits, $18 \times 18 \times 12$ ins., E. and W. of
 post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
 high, $3\frac{1}{2}$ ft. base around post.

79.86 The corner to sections 13, 14, 23, 24

Land rolling.

Soil 3° rate

Vegetation Grass & Sagebrush.

Township 22 N,

BOOK 435

Range 21 E

Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

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

Descend.

- 40.00 Set a Sand stone $14 \times 10 \times 8$ 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.
- 57.00 Leave Valley, bears E. & W. and ascend.
- 70.00 Cross Wash, 40 lks. wide, Course S. W.
- 80.00 Set a Sand stone $14 \times 12 \times 8$ ins. 10 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 3° rate
- Vegetation Grass & Sagebrush.

Township

22 N.

Range

21 E.

8

Gila and Salt River Meridian.

Chains

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

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

Ascend.

- 2.00 Cross Wash, 40 lks. wide, Course S. W.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 70.00 Enter Valley, bears N. 60° W.
- 79.75 Intersect E. B. of Tp. 21 lks. N. of cor. to secs.
7. 12. 13. 18
which is a lava stone
20 x 12 x 6 ins. 15 ins. in the
ground marked with 4 inches
on S. and 2 inches on N. edges
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. $89^{\circ} 51'$ W. on a true line, between sections 12 & 13
Variation $14^{\circ} 51'$ East.
- 39.87 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.
- 79.75 The corner to sections 11. 12. 13. 14
Land rolling.
Soil 2nd rate
Vegetation Grass & Sagebrush.

Township

22 N.

BOOK 435

Range

21 E.

Gila and Salt River Meridian.

Chains

North, between Sections 11 and 12.

Variation $14^{\circ} 51'$ East.*Over rolling land.*

40.00

Set a *Sand* stone $14 \times 10 \times 8$ 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.

80.00

Set a *Sand* stone $18 \times 14 \times 10$ ins. 12 ins. in the ground for Cor. to Secs. 1. 2. 11. 12 marked with 5 notches on *S*. and 1 notch on *E*. edges, dug pits $18 \times 18 \times 12$ 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 2^{nd} rateVegetation *Grass & Sagebrush.*

Township

22 N

Range

21 E

Meridian.

Chains

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

Variation $14^{\circ} 51'$ East.*Over rolling land.*12.00 Leave Valley, bears $N 20^{\circ} E$ $1 S 20^{\circ} W$ and ascend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.63 Intersect E. B. of Tp. 46 lks. S. of cor. to secs.

1. 6. 7. 12

which is a sand stone
 $14 \times 10 \times 3$ 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 a mound of earth
 2 ft. high, $4\frac{1}{2}$ ft. base, alongside
 from which corner, I run

 $S 89^{\circ} 43' W$ on a true line, between sections 1 & 12Variation $14^{\circ} 51'$ East.

39.81 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 alongside.

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

Land rolling.

Soil 2^{nd} rate

Vegetation Grass & Sagebrush.

Township 22 N Range 21 E

Gila and Salt River Meridian.

- Chains North, on a random line between Sections 1 and 2.
- Variation $14^{\circ} 51'$ East.
- 10.00 Leave Valley, bears N.W. and ascend.
- 19.00 Top of Spur, bears W. & E. and descend.
- 22.00 Enter Valley, bears S.W.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.17 Intersect N. B. of Tp. 15- lks. E. of cor. to secs. previously set by me.
1. 2. 35. 36 N from which corner, I run
S. 6' E on a true line, between sections 1 & 2
Variation $14^{\circ} 51'$ East.
- 40.17 Set a sand stone $14 \times 12 \times 9$ 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 1. 2. 11. 12
Land mountainous.
Soil 2nd 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, 5, 1883

Township *22 N*Range *21 E*

Gila and Salt River Meridian.

*From the corner to sections, 2, 3, 34 & 35 previously set by me.*Chains *Iron* North, between Sections 34 and 35.Variation *41° 51'*

East.

Ascend.

40.00

Set a post 3 ft. long, 3 ins. diam. with marked stone
12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on
N. face, dug pits, 18 x 18 x 12 ins., N. and S. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around post.

*65.75*Top of *mesquite* and descend.*80.00*

Set a *limestone* stone 10 x 8 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., $5\frac{1}{2}$ 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

29 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

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

0.00 Enter Bad Lands, base of 25' O. influence.

32.00 Leave " " " " N.W. & S.O.

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

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

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

N. $47^{\circ} W.$ on a true line between sections 26 & 35Variation $14^{\circ} 51'$ East59.90 Set a Sand stone $4 \times 12 \times 6$ 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., O. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$

ft. base. alongside.

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

Land rolling.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush.

Township 22 S

Range 21 E

Gila and Salt River Meridian.

Chains North, between Sections 26 and 27.

Variation $40^{\circ} 51'$ East.

Ascend.

18.76 Top of Ridge, bears $Q. 2^{\circ} W.$ and descend.

40.00 Set a Sand stone $18 \times 16 \times 11$ 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., $\frac{1}{4}$ and $\frac{3}{4}$ 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 $16 \times 12 \times 11$ ins. 10 ins. in the ground for Cor. to Secs. 22, 23, 26. marked with 2 notch on S. and 2 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 3° rate

Vegetation Grass & Sagebrush.

Township 22 N

Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation $11^{\circ} 51'$ East.*Ascend.*

- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 79.58 Intersect C. B. of Tp. 23 lks. N. of cor. to secs. 23, 24, 25, 26 from which corner, I run $N. 89^{\circ} 50' W.$ on a true line, between sections 23 & 24
Variation $14^{\circ} 51'$ East.
- 39.77 Set a Sand stone $10 \times 11 \times 8$ 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 alongside.
- 79.58 The corner to sections 22, 23, 26, 27
Land rolling.
Soil 3^{rd} rate
Vegetation Grass & Sagebrush.

Township

Range

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation

11° 51'

East.

*Descend.*28.40 *Leave Murray & Enter Valley, bears NE x SW.*40.00 *Set a Sand stone 16 x 11 x 10 ins. 10 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. face and raised a mound of stone. alongside.**Pits impracticable.*80.00 *Set a Sand stone 14 x 12 x 11 ins. 10 ins. in the ground for Cor. to Secs. 16, 22, 23 marked with 3 notches on S. and 2 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.**Land rolling.**Soil 3rd rate**Vegetation Grass & Sagebrush.*

Township

22 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 51'

East.

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

60.00 Leave mesa base N. & S.

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

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

87° 54' W. on a true line between sections 14 & 23

Variation 14° 51' - East

39.92 Set a Sand stone 14 x 10 x 9 ins. 10

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

face and raised a mound of stone alongside.

Pits impracticable.

79.84 The corner to sections 14, 10, 22, 23

*Land rolling.*Soil 3rd rate

Vegetation Grass & Sagebrush.

Township 22 SRange 11 E

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation 14° 01' East.

Descend.

40.00 Set a Sand stone $16 \times 8 \times 6$ 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., 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 $16 \times 12 \times 9$ 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 2nd rateVegetation Grass & Sagebrush

Township

22

Range

21

Gila and Salt River Meridian.

Chains

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

Variation

14° 51'

East.

Over rolling land.

40.00

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

79.92

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

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

S 89° 48' W. on a true line between sections 11 & 14

Variation

14° 51'

East

39.96

Set a *Sund* stone 18 x 9 x 7 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits 18 x 18 x 12 ins., 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.

79.92

The corner to sections 10, 11, 14, 15

Land rolling.

Soil

2nd

rate

Vegetation

Grass & Sagebrush

Township

Range

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation

11° 51'

East.

30.00

Enter Valley, bears N. 21°

40.00

Set a Sand stone $24 \times 12 \times 8$ 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., 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 $24 \times 12 \times 10$ ins. 18 ins. in the ground for Cor. to Secs. 2, 3, 10, 11 marked with 5 notches on S. and 2 notches on E. edges and raised a mound of stone, alongside. Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township 22 N. Range 21 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 2 and 11.
Variation 11° 51' East.

*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.24 Intersect N. & S. line, 13 lks. 11 of cor. to secs.1, 2, 11, 12 from which corner, I runN. 10° 24' W. on a true line between sections 2 & 11.Variation 11° 51' East

Set a land stone 11 x 12 x 8 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.

80.24 The corner to sections 2, 3, 10, 11.

Land level.

Soil 2nd rateVegetation Grass & Sagebrush

Township _____ Range _____

Gila and Salt River Meridian.

Chains North, on a random line between Sections 2 and 3.
Variation $14^{\circ} 51'$ East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
79.90 Intersect S. B. of Tp. 31 lks. W. of cor. to secs.
previously set by me.
28. 34. 36 ^ from which corner, I run
S. 13. 0. on a true line, between sections 2 & 3
Variation $14^{\circ} 51'$ East.

39.90 Set a Sand stone $14 \times 12 \times 10$ ins. 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.
face and raised a mound of stone alongside.

79.90 The corner to sections 2, 3, 10, 11

Land rolling.

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. 5. 1883

Township

22 N

BOOK 435
Range

21 E

Gila and Salt River Meridian.

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

Chains ^{Survey} North, between Sections 33 and 34.Variation $14^{\circ} 51'$ East.

Descend.

44.00 Set a Sand stone $14 \times 8 \times 6$ ins. 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on face and raised a mound of stone alongside.

Pits impracticable.

47.00 Top of ~~Mountain~~ ^{Top of} land ascend.

80.00 Set a Sand stone $12 \times 10 \times 10$ ins. 8 ins. in the ground for Cor. to Secs. 27, 28, 33, 34, marked with 1 notch on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 2nd & 3rd rate

Vegetation Grass & Sagebrush

Township

22

Range

21

Gila and Salt River Meridian.

Chains

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

Variation

11° 51'

East.

Ascend.

6.80 Top of Hill bears N. 15° W. and descend.

10.00 Foot of hill bears N. 15° W. and ascend

11.00 Cross Wash, 60 lks. wide, Course N. W.

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

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

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

129° 54' W. on a true line between sections 27 & 34

Variation

11° 51'

East

39.78 Set a Sand stone 16 x 12 x 8 ins. 10

ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face and raised a mound of stone alongside.*Pits impracticable.*

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

*Land hilly.**Soil 2nd & 3rd rate**Vegetation**Grass & Sagebrush.*

Township

Range

Gila and Salt River Meridian.

Chains North, between Sections 27 and 28.

Variation 14 51' East.

*Ascend.*17.70 Top of Ridge, bears *C. & W.* and descend.20.00 Set a Sand stone 18 x 17 x 11 ins. 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *W* face and raised a mound of stone. alongside.*Pits impracticable.*72.70 Cross Wash, 60 yds. wide, Course *W.*80.00 Set a Sand stone 16 x 12 x 10 ins. 10 ins. in the ground for Cor. to Secs. 21, 22, 27, 28 marked with 2 notches on S. and 3 notches on E. edges and raised a mound of stone. alongside. *Pits impracticable.**Land mountainous.*Soil 3rd rate

Vegetation Grass & Sagebrush

Township 22 S

21 E

Gila and Salt River Meridian.

Chains

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

Variation $44^{\circ} 51'$ East.

Descend.

19.90 Foot of hills and ascend abruptly.

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

79.96 Intersect N. & S. line, 43 lks. S. of cor. to secs.

22, 25, 26, from which corner, I run

129.42' W. on a true line between sections 22 & 27

Variation $44^{\circ} 51'$ East

79.98 Set a sand stone $2 \times 10 \times 8$ ins. 8
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
face and raised a mound of stone alongside.

Pits impracticable.

79.96 The corner to sections 22, 25, 27, 28

Land rolling.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush.

Township

Range

Gila and Salt River Meridian.

Chains

North, between Sections 21 and 22.

Variation $4^{\circ} 51'$ East.

Descend.

42.00 Set a Sand stone $16 \times 13 \times 8$ ins. 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on face and raised a mound of stone alongside.

Pits impracticable.

80.00

Emier braker base
Set a Sand stone $16 \times 14 \times 8$ ins. 10 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 $18 \times 18 \times 12$ 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

Range

Gila and Salt River Meridian.

Chains

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

Variation

14° 51'

East.

Descend.

9.00 Foot of hills and ascend
40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

60.00 Top of Hill bears N. E. + S. W. and descend.

64.00 A Spring, bears 9.50 chs. S. of ~~line~~ dist.

70.17 Intersect N. & S. line, 24 lks. S. of cor. to secs.

14. 16. 22. 23 from which corner, I run

S. 89° 50' W. on a true line between sections 15 & 22

Variation

14° 51'

East

40.25 Set a Sand stone 20 x 16 x 10 ins. 16 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face and raised a mound of stone. alongside.

Pits impracticable.

80.17 The corner to sections 16. 16. 21. 22

Land hilly.

Soil 3rd rate

Vegetation - Grass & Sagebrush.

Township 22 NRange 21 E

Gila and Salt River Meridian.

Chains North, between Sections 15 and 16.

Variation 141° 51' East.*Over rolling land.*

Set a Sand stone $18 \times 12 \times 9$ 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 $16 \times 14 \times 8$ ins. 10 ins. in the ground for Cor. to Secs. 9, 10, 10, 10 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 rolling.*Soil 3rd rateVegetation Grass & Sagebrush

Township

Range

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 51'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

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

 $N. 29^{\circ} 02' W.$ on a true line between sections 10 & 15Variation $14^{\circ} 51'$ East

Set a Sand stone $16 \times 14 \times 10$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, alongside.

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

Land rolling.

Soil *gn^o* rate

Vegetation Grass & Sagebrush.

Township

23 N

BOOK 435
Range

21 E

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation

11° 51'

East.

Over rolling land.

40.00

Set a Sand stone 15 x 12 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. alongside.

80.00

Set a Sand stone 14 x 12 x 10 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 and raised a mound of stone. alongside. Pits impracticable.

*Land rolling.*Soil 2nd rate

Vegetation

Grass & Sagebrush

Township

22 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 51'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.50.00 Rocky Point - bears N. 40° W. & descend.

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

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

N. $29^{\circ} 00'$ W. on a true line between sections 3 & 10Variation $14^{\circ} 51'$ East

40.00 Set a Sand stone $4 \times 10 \times 8$ 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 alongside.

80.12 The corner to sections 3, 4, 9, 10

*Land rolling.*Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

22 N

BOOK 435

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation 111° 51' East.

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

72.55

Intersect N. B. of Tp. 12 lks. W. of cor. to secs.
previously set by me.
3. 4. 33. 34 ^ from which corner, I run

S. 5. W. on a true line, between sections 3 & 4

Variation 111° 51' East.

39.88

Set a Sand stone 24 x 12 x 4 ins. 18
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
face and raised a mound of stone. alongside.*Pits impracticable.*

79.88

The corner to sections 3. 4. 9. 20

*Land rolling.*Soil 3rd rate

Vegetation Grass & Sagebrush.

A. P. Johnson.

March 6. 1883

Township

22 N

Range

21 E

Gila and Salt River Meridian.

From the corner to sections, 4, 5, 6, 24, 8, 3, previously set by me.

Chains ^{Iron} North, between Sections 32 and 33.

Variation

2' 51"

East.

Ascend.

40.00

Set a Sand stone $17 \times 14 \times 10$ ins.. 12
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on $\frac{1}{2}$ W.
face and raised a mound of stone alongside.

Pits impracticable.

60.00

Enter tracks, bears E. & W.

80.00

Set a Sand stone $10 \times 12 \times 10$ ins. 8 ins.
in the ground for Cor. to Secs. 28, 29, 32, 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

22 N.

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 51'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

68.00 Leave brakes & enter Valley

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

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

N. $89^{\circ} 56'$ W. on a true line between sections 28 & 33Variation $14^{\circ} 51'$ East40.11 Set a Sand stone $12 \times 10 \times 8$ ins. $\times 2 \times 8$ ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face and raised a mound of stone. alongside.*Pits impracticable.*

80.22 The corner to sections 28, 29, 33, 34

Land rolling.

Soil good rate

Vegetation Grass & Sagebrush.

Township 22 N

Range 21 E

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation

142° 51'

East.

Descend.

bears N. 8° W.

7.00

Cross low Sag and ascend.

27.80

Order stakes, bears E. 2 W.

40.00

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 and raised a mound of stone. alongside.

Pits impracticable.

44.90

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

66.00

Cross Wash, 100 lks. wide, Course W.

80.00

Set a Sand stone 13 x 12 x 9 ins. 8 ins. in the ground for Cor. to Secs. 20, 21, 28, 29 marked with 2 notch on S. and 4 notch on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land mountainous.

Soil 3rd rate

Vegetation Grass & Sagebrush

Township 22 N.

Range 21 E.

Gila and Salt River Meridian.

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

Variation 14° 51' East.

Descend.

37.00 Cross Wash, 140 lks. wide, Course S. W.

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

50.00 Intersect N. & S. line, 50 lks. S. of cor. to secs.

21.22 27.28 from which corner, I run

N. 89° 39' W. on a true line between sections 21 & 28

Variation 14° 51' East

Set a ~~land~~ stone 4 x 10 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.

80.00 The corner to sections 20, 21, 25, 29

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

22 N

Range

21 E

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

40° 51'

East.

Descend.

13.50

Leave tables & enter Valley.

40.00

Set a Sand stone $16 \times 10 \times 8$ 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.

80.00

Set a Sand stone $16 \times 14 \times 6$ 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 $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base alongside.

Land rolling.

Soil 2nd rate

Vegetation Grass & Sagebrush.

Township

22

BOOK 435

Range

21

Gila and Salt River Meridian.

Chains

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

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

10.00 Enter Valley, bears S. W.

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

47.00 Leave Valley, bears S. E.

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

15. 16. 21. 22 from which corner, I run

N. $89^{\circ} 54'$ W. on a true line between sections 16 & 21Variation $14^{\circ} 51'$ East

11.01 Set a Sand stone $24 \times 10 \times 6$ ins., 18 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., O and N. 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.

12.02 The corner to sections 16, 17, 21, 22

Land level.

Soil g^{nd} rate

Vegetation Grass & Sagebrush.

Township

Range

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation $11^{\circ} 51'$ East.*Descend.*

17.40 Cross Wash, 60 lks. wide, Course *W.* and ascend.

40.00 Set a Sand stone $16 \times 12 \times 8$ 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.

64.70 Enter breaks. bears *C. & V.* & ascend. abruptly.

80.00 Set a Sand stone $16 \times 10 \times 10$ ins. 10 ins. in the ground for Cor. to Secs. 5. 9. 16. 17 marked with 1 notch on *S.* and 11 notches on *E.* edges and raised a mound of stone. alongside. Pits impracticable.

Land hilly.

Soil *good* rateVegetation *Grass & brush.*

Township

Range

Gila and Salt River Meridian.

Chains

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

Variation

14° 51'

East.

Descend.

2.00

Enter Valley, bears N 75° E & descend gradually.

40.00

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

79.77

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

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

S 89° 46' W. on a true line between sections 9 & 16

Variation

14° 51'

East

79.88

Set a Sand stone 20 x 7 x 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 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.

79.77

The corner to sections 8, 9, 16, 17

Land rolling.

Soil 2nd rate

Vegetation Grass & Sagebrush.

Township

Range

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

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

40.00

Set a Sand stone $15 \times 10 \times 8$ ins. \times 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face and raised a mound of stone. alongside.

Pits impracticable.

80.00

Set a Sand stone $18 \times 11 \times 10$ ins. 2 ins. in the ground for Cor. to Secs. 4, 5, 8, 9 marked with 5 notches on S. and 4 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

*Land rolling.*Soil 2nd rate

Vegetation Grass & Sagebrush.

Township 22 N

Range 21 E

Gila and Salt River Meridian.

Chains

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

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

37.20 A House, bears 13.00 chs. S of line

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

79.88 Intersect N. & S. line. 12 lks. S. of cor. to secs.

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

S $89^{\circ} 55'$ W. on a true line between sections 4 & 9Variation $14^{\circ} 51'$ East

39.94 Set a Sand stone 16 x 16 x 13 ins. 10

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

face and raised a mound of stone alongside.

Pits impracticable.

79.88 The corner to sections 4. 5. 8. 9

*Land rolling.*Soil 2nd rate

Vegetation Grass & Sagebrush.

Township 27 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.

28.60 Top of *Neobean* E. W. and descend.

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

49.86 Intersect N.B. of Tp. 18 Ns. \odot of cor. to secs. previously set by me.

45.82 33 from which corner, I run

15.0 on a true line between sections 4 & 5

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

39.86 Set a sand stone $13 \times 12 \times 8$ ins. 5 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face and raised a mound of stone. alongside. Pits impracticable.

79.86 The corner to sections 4, 5, 8, 9

Land rolling.

Soil 2nd & 3rd rate

Vegetation Grass & Sagebrush

G. M. Carson
Compassman
March 6, 1883

Township

22 N.

Range

21 E

Gila and Salt River Meridian.

From the corner to sections, S. 6. 37 32, ^{precipitously} set by me.

Chains

Run North, between Sections 31 and 32.

Variation

14° 51'

East.

Over rolling land.

40.00

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

80.00

Set a Sand stone 16 x 14 x 10 ins. 10 ins. in the ground for Cor. to Secs. 29, 30, 31, 32 marked with 1 notch on S. and 5 notches on E. edges, 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 23 N.

Range 21 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 51' East.

Over level land

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

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

28, 29, 32, 3 from which corner, I run

189° 51' W. on a true line between sections 29 & 32

Variation 14° 51' East

399.7 Set a Sand stone $14 \times 10 \times 4$ 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.

79.94 The corner to sections 29, 30, 31, 32

Land level.

Soil 3rd rate

Vegetation Grass & Sagebrush.

A. P. Johnson.
March 7, 1883

Township

22 N

BOOK 435
Range

31 E

Gila and Salt River Meridian.

Chains

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

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

Over level land

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

40.00 - Set temporary $\frac{1}{4}$ Sec. Cor.47.95 Intersect W. B. of Tp. 34 lks. N. of cor. to secs.
previously set by me.

30. 31. 32 from which corner, I run

N $89^{\circ} 46'$ E. on a true line, between sections 30 & 31Variation $14^{\circ} 51'$ East.37.95 Set a Sand stone $18 \times 14 \times 8$ 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.

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

Land level.

Soil 3rd rate

Vegetation Grass & Sagebrush.

G. M. Carson.

Compassman.

March 7. 1883

Township

22 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation

14° 51'

East.

*Over level land*20.00 *Cross Wash, 20 fms. wide, Course S. W.*

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.*

80.00 *Set a Sand stone 24 x 12 x 8 ins. 18 ins. in the ground for Cor. to Secs. 19. 20. 29. 30 marked with 2 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base, alongside.*

*Land level.**Soil 2nd rate**Vegetation Grass & Sagebrush.*

Township 22 N. Range 21 E.

Meridian.

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

Variation $14^{\circ} 51'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

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

N. $89^{\circ} 54'$ W. on a true line between sections 20 & 29Variation $14^{\circ} 51'$ East

40.04 Set a Sand stone $14 \times 12 \times 5$ 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.

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

*Land rolling.*Soil 2^{nd} rate

Vegetation Sagebrush.

A. P. Johnson,

March 7. 1883

Township 22 N. Range 21 E.

Gila and Salt River Meridian.

Chains West, on a random line between Sections 19 and 30.
Variation $14^{\circ} 51'$ East.

Over level land

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

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.77.48 Intersect W. B. of Tp. 51 lks. N. of cor. to secs.
previously set by me.
19. 24. 25. 30 from which corner, I runN. $89^{\circ} 38' E.$ on a true line, between sections 19 & 30Variation $14^{\circ} 51'$ East.37.48 Set a Sand stone $14 \times 12 \times 6$ 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.

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

Land level.

Soil 2nd rate

Vegetation Grass & Sagebrush.

G. M. Carson.

Compassman.

March 7. 1883

Township

22 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

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

Descend.

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

40.00 Set a sand stone $15 \times 13 \times 8$ 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.

80.00 Set a sand stone $18 \times 15 \times 12$ ins. 12 ins. in the ground for Cor. to Secs. 17. 18. 19. 20 marked with 9 notches on S. and 5 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush

Township 22 N Range 21 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 17 and 20.
Variation $14^{\circ} 51'$ East.

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

75.50 Cross Wash, 16 lks. wide, Course S.

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

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

N. $89^{\circ} 49' W.$ on a true line between sections 17 & 20Variation $14^{\circ} 51'$ East39.94 Set a sand stone $16 \times 14 \times 10$ ins., 10 ins.in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face,dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound, of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$

ft. base, alongside.

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

Land rolling.

Soil 2^{nd} rate

Vegetation Grass & Sagebrush.

A. P. Johnson.

March 7. 1883

Township

22 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

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

Over level land

40.00

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

77.14

Intersect W. B. of Tp. 8 lks. N. of cor. to secs.
13. 18. 19. ^{previously set by me.} 24 from which corner, I runN. $89^{\circ} 57'$ E. on a true line, between sections 18 & 19Variation $14^{\circ} 51'$ East.

37.14

Set a sand stone $15 \times 12 \times 8$ 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.

77.14

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

Land level.

Soil 3° rate

Vegetation Graze & Sagebush.

G. M. Carlson

Compassman

March 7. 1883.

Township

22 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation $14^{\circ} 51'$ East.*Over rolling land.*

40.00

Set a sand stone $14 \times 10 \times 8$ 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 $3\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, alongside.

76.70

Leave Valley, bears N. E. \vee S. W. and ascend.

80.00

Set a sand stone $18 \times 15 \times 13$ ins. 12 ins. in the ground for Cor. to Secs. 7. 8. 17. 18 marked with 4 notches on S. and 5 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil good rate

Vegetation Grass & Sagebrush.

Township

22 N.

BOOK 435

Range

21 E.

Gila and Salt River Meridian.

Chains

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

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

- 31.60 Top of Ridge, bears N. & S. and descend.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor. low Sag and ascend.
- 41.00 Top of Hill bears N. & S. and descend.
- 80.18 Intersect N. & S. line, 12 lks. N. of cor. to secs.
8. 9. 16. 17 from which corner, I run
- $N. 89^{\circ} 55' W.$ on a true line between sections 8 & 17
- Variation $14^{\circ} 51'$ East
- 40.09 Set a sand stone $17 \times 11 \times 10$ 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.
- 80.18 The corner to sections 7. 8. 17. 18

Land mountainous.

Soil 3% rate

Vegetation Grass & Sagebrush.

A. P. Johnson

March 7. 1883

Township 22 N. Range 21 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 51'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.76.61 Intersect W. B. of Tp. 15 lks. N. of cor. to secs.
previously set by me.

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

N. $89^{\circ} 54'$ E. on a true line, between sections 7 & 18Variation $14^{\circ} 51'$ East.36.61 Set a Sand stone 13 x 12 x 10 ins., 8
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on N.
face, and raised a mound of stone alongside. Pits
impracticable.

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

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

G. M. Carson

Compassman

March 7. 1883

Township 22 N. Range 21 E.

Gila and Salt River Meridian.

Chains North, between Sections 7 and 8.

Variation $14^{\circ} 57'$ East.*Ascend.*

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.

62.00 Top of Mesa bears E. & W. and descend

87.00 Set a Sand stone $20 \times 15 \times 10$ ins. 15 ins. in the ground for Cor. to Secs. 5. 6. 7. 8 marked with 5 notches on S. and 5 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Lana rolling.Soil $2\frac{1}{2}$ or $\frac{3}{4}$ rate

Vegetation Grass & Sagebrush.

Township

29 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

Variation $41^{\circ} 51'$ East.*Descend.*

2.50 Cross Wash, 76' lks. wide, Course N. W. and ascend.

2.10 Top of Mesabank, 70' and descend.

30.50 Leave " and over bridge.

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

79.93 Intersect the S. line 4 lks. N. of cor. to secs.

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

N. $89^{\circ} 00'$ on a true line, between sections 5 & 8Variation $41^{\circ} 51'$ East.

39.96 Set a Sand stone $4 \times 10 \times 8$ ins. 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
face and raised a mound of stone alongside.

Pits impracticable.

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

Land mountainous.

Soil 2^{nd} 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.

A. P. Johnson.

March 7, 1883

Township

22 N

BOOK 435

Range

21 E

Gila and Salt River Meridian.

Chains

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

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

Ascend.

13.65 Top of Spur, bears $S. 20^{\circ} E$ and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.76.46 Intersect ~~W. B. of Tp. 23~~ ^{previous} ~~Set by me.~~ $W. B.$ of Tp. 23 lks. $S.$ of cor. to secs.
1.6. 7. 12 from which corner, I run $S. 89^{\circ} 00' E$ on a true line, between sections 6 & 7
Variation $14^{\circ} 51'$ East.36.46 Set a Sand stone $12 \times 10 \times 9$ ins. 10×8
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on $N.$
face and raised a mound of stone. alongside.

Pits impracticable.

76.46 The corner to sections 6, 7, 8

Land Broken.

Soil 21^{st} rate

Vegetation Grass & Sagebrush.

Township 32

Range 21

Gila and Salt River Meridian.

Chains

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

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

Descend.

8.30 Cross Wash, 20 lks. wide, Course W. and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.82.04 Intersect N.B. of Tp. 36 lks. \odot of cor. to secs.previously set by me.
5.6. 91. 92 from which corner, I runS. 15' \odot on a true line, between sections 5. 6.Variation $14^{\circ} 51'$ East.

40.04 Set a Sand stone 13 x 10 x 8 ins.. 8

ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.
face and raised a mound of stone. alongside.

Pits impracticable.

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

Land Broken.

Soil 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. Carson

Compassman

March 7. 1883.

BOOK 435
GENERAL DESCRIPTION.

The land in this Tp. is generally rolling.

It is every where tolerably sandy with a good coating of grass.

Soil is 2nd & 3rd rate.

Vegetation consists of grass & sagebrush.

The Tp. is well adapted to grazing purposes.

There is a house in Section 9, and another in Section 24

For Final Data see
Book 19.

BOOK 435

62

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

The foregoing Field Notes of the survey of the
Subdivisions of 22 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, 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. Robbins
Surveyor General.