

~~Book No. 78~~

BOOK 322

Franks Follman, Deputy Surveyor.

T. *19 North*, R. *17 East*

Gila and Salt River Meridian.

No-322

FIELD NOTES

OF

BOOK 322

THE SUBDIVISION LINES OF

Township *19 North*, Range *17 East*

Gila and Salt River Meridian.

BY

Frank Follman, Deputy Surveyor.

Under his Contract of *July 29th* 18*82*.

Survey Commenced *December 13th* 18*82*.

Survey Completed *December 21st* 18*82*.

No-322

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322

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Township 19 North, Range 17 E, G. and S. R. 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

O.K.

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Township

Range

Meridian.

No-322

For preliminary oaths
and description of
instrument on book
of retracing.

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

Township 19 N. Range 17 E.

John Lee, Comptroller. Gila and Salt River Meridian.

Chains

From the corner to Sections 35, 36, 1 and 2 on the South boundary, I run,
North, between Sections 35 and 36Variation $130^{\circ} 36'$ East.

Over rolling land.

40.00 Set a sand stone $12 \times 8 \times 2$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W face, dug pits $18 \times 18 \times 12$ ins., 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

71.50 Top of Spur, bears N. E. $\frac{1}{2}$ S. W. and descend.

80.00 Set a lava stone $20 \times 12 \times 4$ ins. 15 ins. in the ground for Cor. to Secs. 25, 26, 35 & 36, marked with / notch on S. and / notch on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township 19 N, Range 17 E,

Gila and Salt River Meridian.

Chains

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

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

- 4.50 Top of Hill bears N. and S. and descend.
- 33.00 Enter Valley, bears N. and S.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.60 Intersect E. B. of Tp. 38 Nks. North of cor. to secs. 25, 30, 31 and 36, which is a sandstone, $18 \times 12 \times 10$ ins., set firmly in the ground, with 1 notch on S. and 5 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. $89^{\circ} 44' W.$ on a true line, between sections 25 and 36. Variation $13^{\circ} 45'$ East.
- 40.30 Set a sand stone $14 \times 10 \times 3$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.
- 80.60 The corner to sections 25, 26, 35 and 36, Land rolling.
Soil 3rd rate
Vegetation, bunchy grass.

Township

19 N.,

Range

17 E.,

Gila and Salt River Meridia

Chains

North, between Sections 25 and 26.

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

Over rolling land.

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

55.00 Leave Valley, bears N. 20° E. ^{Bottomwood} $2\frac{1}{2}$ S. 20° W.

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

80.00 Set a sandstone $15 \times 10 \times 4$ 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 $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base alongside.

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township 19 N. Range 17 E.

Gila and Salt River Meridian.

Chains

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

Variation $140^{\circ} 14'$ East.

Over level land

36.00 ^{Cottonwood} Cross Wash, 200 lks. wide, Course S. W.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
71.00 Cross Cottonwood creek 200 lks wide course N. W.
80.17 Intersect E. B. of Tp. 12 lks. North of cor. to secs.

19, 24, 25 ^{and} 30, which is a sandstone, $13 \times 13 \times 8$ ins., set firmly in the ground, marked with 2 notches on S. ^{and} 4 notches on N. sides, 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. $89^{\circ} 55'$ W. on a true line, between sections 24 ^{and} 25.Variation $130^{\circ} 45'$ East.

40.08 Set a sandstone $14 \times 10 \times 3$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

80.17 The corner to sections 23, 24, 25 ^{and} 26.

Land level.

Soil ^{3 m} rate

Vegetation, sagebrush.

Township

19 N

BOOK 322

Range

17 E

Gila and Salt River Meridian

Chains

North, between Sections 23 and 24.

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

- 40.00 Set a Sand stone $13 \times 9 \times 4$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins., N and S of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.
- 80.00 Set a Sand stone $14 \times 10 \times 3$ ins. 9 ins. in the ground for Cor. to Secs. 13, 14, 23 & 24, marked with 3 notches on S. and 1 notch on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.
- Land rolling.
- Soil 3rd rate
- Vegetation, bunchgrass and sagebrush.

Township 19 N., Range 17 E.

Gila and Salt River Meridian.

Chains

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

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

Over rolling land.

5.00 Cross low Sag and ascend.

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

80.34 Intersect E. B. of Tp. 18 Ns. South of cor. to secs.

13, 18, 19 and 24, which is a sandstone, $20 \times 12 \times 8$ ins, set firmly in the ground, marked with 3 notches on N. and S. 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 along side;

from which corner, I run

S. $89^{\circ} 52' W$. on a true line, between sections 13 and 24.Variation $13^{\circ} 45'$ East.

40.17 Set a sand stone $13 \times 8 \times 2$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base

80.34 The corner to sections 13, 14, 23 and 24.

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township 19 N Range 17 E
Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

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

- 40.00 Set a Sand stone $13 \times 8 \times 2$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.
- 80.00 Set a Sand stone $15 \times 6 \times 3$ 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 3rd rate
- Vegetation, bunchgrass and sagebrush.
- December 13th 1882.

Township

19 *W*

Range

17 *E*,

Gila and Salt River Meridian.

Chains

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

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

- 7.00 Enter low sag, cross *N. and S.*
- 29.00 Leave low sag and ascend.
- 40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
- 45.00 Top of hill, cross *N. and S.* and along same.
- 79.92 Intersect *E. B.* of Tp. 7 lks. South of cor. to secs. 7, 12, 13 and 18, which is a sandstone, $20 \times 12 \times 8$ ins., set firmly in the ground, marked with 4 notches on *S.* and 2 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 along side;

from which corner, I run

S. $89^{\circ} 57' N.$ on a true line, between sections 12 and 13.Variation $13^{\circ} 45'$ East.

- 39.96 Set a sand stone $12 \times 8 \times 8$ ins., 8 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on *N.* face, dug pits $18 \times 18 \times 12$ ins., *E.* and *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.

- 79.92 The corner to sections 11, 12, 13 and 14.
- Land rolling.

Soil *3 m* rate

Vegetation, bunchy grass and oak brush.

9 Township 19 N., Range 17 E.:

Gila and Salt River Meridian

Chains

North, between Sections 11 and 12.

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

40.00 Set a Sand stone $13 \times 9 \times 2$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

80.00 Set a Sand stone $15 \times 10 \times 3$ ins. 10 ins. in the ground for Cor. to Secs. 1, 2, 11 & 12, marked with σ notch on S. and ρ notch on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base alongside.

*Land rolling.**Soil 3rd rate**Vegetation, bunchgrass and sagebrush.*

Township 19 N Range 17 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.Over high tableland, bearing $N. 30^{\circ} E.$

13.00 Leave tableland and descend

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

53.00 Cross low Sag and ascend.

65.50 Top of hill bears $N. 90^{\circ} W.$

80.22 Intersect E. B. of Twp. 46 lks. South of cor. to secs.

1, 6, 7 and 12, which is a sandstone, $20 \times 12 \times 11$ ins., set firmly in the ground marked with 1 notch on $N. 90^{\circ}$ and 5 notches on $S.$ 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 along side;

from which corner, I run

 $S. 89^{\circ} 40' W.$ on a true line, between sections 1 and 12,Variation $17^{\circ} 45'$ East.

40.11 Set a sand stone $13 \times 8 \times 2$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on $N.$ face, dug pits $18 \times 18 \times 12$ ins., $E.$ and $W.$ of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

80.22 The corner to sections 1, 2, 11 and 12.

Land rolling.

Soil, 2nd rate

Vegetation, bunchy grass and sagebrush.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

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

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

Ascend.

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

80.30 Intersect N. B. of Tp. 40 lks. East of cor. to secs.
 recently established by me
 1, 2, 35 & 36 from which corner I run
 S. $17^{\circ} 6'$ on a true line, between sections 1 and 2.

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

40.30 Set a sandstone $18 \times 10 \times 6$ 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., N. and S. of stone $5\frac{1}{2}$
 ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
 ft. base

80.30 The corner to sections 1, 2, 11 and 12,

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains $\frac{1}{2}$ mile North, between Sections 34 and 35.
 From the cor. to secs. 2, 3, 34 and 35, on S. boundary of township, ~~from~~ recently reestablished by me

Variation $130^{\circ} 36'$ East.

Over rolling land.

40.00 Set a granite stone $12 \times 7 \times 2$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins., 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. X

70.00 Top of Spur, bears E. 40° W. and descend.

80.00 Set a cural stone $20 \times 7 \times 3$ ins. 15 ins. in the ground for Cor. to Secs. 26, 27, 34, marked with 1 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. X

Land rolling.

Soil 30% rate

Vegetation, sagebrush and bunchgrass.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.*Ascend.*5.00 Top of Spur, bears $N. 62^{\circ} W. \frac{1}{4}$, $S 62^{\circ} E$, and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

25, 26, 34 & 35, from which corner, I run

S. $89^{\circ} 51' W.$ on a true line between sections 26 and 35.Variation $14^{\circ} 14'$ East

140.08 Set a lava stone $14 \times 8 \times 3$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside

80.16 The corner to sections 26, 27, 34 and 35.

Land mountainous.

Soil 3rd rate

Vegetation, sagebrush and bunch grass.

Township 19 N. Range 17 E.

Gila and Salt River Meridian.

Chains	North, between Sections 26 and 27.
	Variation $14^{\circ} 14'$ East.
35.00	Enter Valley. bears E. and W.
40.00	Set a sand stone $14 \times 10 \times 4$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside
80.00	Set a flint stone $12 \times 8 \times 2$ ins. 8 ins. in the ground for Cor. to Secs. 22, 23, 26 & 27 marked with 2 notches on S. and 2 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside
	Land level.
	Soil <i>pr</i> rate
	Vegetation, bunchgrass and sagebrush.

Township 19 N.

Range 17 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.38.50 ^{Cottonwood} Cross Creek 100 lks. wide, Course $N. 30^{\circ} W.$ 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.69.90 ^{Cottonwood} Cross Creek 100 lks. wide, Course $S. 40^{\circ} W.$ 78.75 ^{Cottonwood} Cross Creek 100 lks. wide, Course $N.$

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

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

 $N. 89^{\circ} 48' W.$ on a true line between sections 23 and 26.Variation $14^{\circ} 14'$ East

40.26 Set a sand stone $16 \times 9 \times 4$ ins., 11 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

80.53 The corner to sections 22, 23, 26 and 27.

Land rolling.

Soil 3rd rate

Vegetation, sugarman.

Township

19 M

BOOK

322

Range

17 E.

16

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Over level land

Variation

14° 14'

East.

14.20

Cross Creek

^{colluvium}

200 lks. wide, Course S. W.

40.00

Set a

Sand stone 12 x 10 x 4 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.

77.00

Leave Valley, bears E. and W.

80.00

Set a

Quartz stone 20 x 8 x 8 ins. 14 ins.

in the ground for Cor. to Secs. 14, 15, 22 & 23, marked
with 3 notches on S. and 2 notches on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base.

Land level.

Soil

3rd

rate

Vegetation, bunchgrass and sagebrush.

December 14th 1882.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

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

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

- 2.00 Foot of hill, bears N. 5 E. and ascend
- 4.00 Top of Hill bears N. and S. and descend.
- 10.00 Foot of Hill, bears N. 20 E. across prairie.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 72.25 Enter low sag, bears N. E.
- 80.21 Intersect N. & S. line, 8 lks. South of cor. to secs.
13, 14, 23 & 24 from which corner, I run
 $S. 89^{\circ} 51' W.$ on a true line between sections 14 and 23.
Variation $14^{\circ} 14'$ East
- 40.10 Set a sand stone $15 \times 9 \times 4$ 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
- 80.21 The corner to sections 14, 15, 22 and 23.
Land hilly. ^{2d} rolling.
Soil 3rd rate
Vegetation, bunch grass and sagebrush.

Township 19 N. Range 17 E.

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

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

40.00 Set a sandstone $15 \times 10 \times 6$ 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

80.00 Set a sandstone $14 \times 10 \times 3$ ins., 9 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.

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township 19 N. Range 17 E.

Gila and Salt River Meridian.

Chains

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

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

Sd. 40 Intersect N. & S. line, 42 lks. South of cor. to secs.

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

S. $89^{\circ} 42' W.$ on a true line between sections 11 and 14.Variation $14^{\circ} 14'$ East

40.20 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

Sd. 40 The corner to sections 10, 11, 14 and 15.

*Land level.*Soil 3rd rate

Vegetation, bunchgrass and sagelush.

Township 19 *M* Range 17 *E*,

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation $14^{\circ} 14'$ East.*Ascend.*37.50 Top of Ridge, bears *N. E. 75° E. W.* and descend.

40.00 Set a sand stone $13 \times 11 \times 2$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *W.* face, dug pits $18 \times 18 \times 12$ ins., *M.* 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 Sandstone $10 \times 10 \times 4$ ins. 10 ins. in the ground for Cor. to Secs. 2, 3, 10 *and* 11, marked with *S* notch 60 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 mountainous.

Soil 3rd rateVegetation, bunchgrass *and* sagebrush

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

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

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

Over level land

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

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

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

S. $89^{\circ} 50'$ W. on a true line between sections 2 and 11.Variation $14^{\circ} 14'$ East

40.18 Set a sand stone $18 \times 11 \times 3$ 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

80.37 The corner to sections 2, 3, 10 and 11.

Land level.

Soil 3rd rate

Vegetation, bunch grass and sagebrush.

Township

19 N

Range

17 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.57.00 Top of Spur, bears *N. E.* ^{and *N.*} and descend.

80.62 Intersect *M. B.* of *Tn.* 16 lks. East of cor. to secs.
 2, 3, 74 ^{recently established by me} East from which corner, I run

S. 7' E. on a true line, between sections 2 and 3.

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

140.62 Set a sandstone $15 \times 8 \times 2$ ins., 10 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N. W.* face,
 dug pits $18 \times 18 \times 12$ ins., *M.* 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

80.62 The corner to sections 2, 3, 10 and 11.

Land mountainous.

Soil *3rd* rate

Vegetation, bunch grass and sagebrush.

Township

19 M.

Range

17 E.

Gila and Salt River Meridian.

Chains

From the cor. to secs. 34, 33 and 34, on S. boundary
of 1/4 sec. recently re-established by me.
North, between Sections 33 and 34

Variation $130^{\circ} 36'$ East.

Ascend.

40.00 Set a sand stone $24 \times 10 \times 8$ ins., 16
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.

72.50 Top of Spur, bears E. 40° W. and descend.

80.00 Set a sand stone $24 \times 12 \times 3$ ins. 18 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 mountainous.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township

19 *W.*

Range

17 *E.*

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.*Descend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.62.00 Top of Spur, bears *N. and S.* and descend.

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

26, 27, 34 *and* 35, from which corner, I run*N. 89^{\circ} 57' W.* on a true line between sections 27 *and* 34,Variation $14^{\circ} 14'$ East40.21 Set a sand stone $24 \times 10 \times 5$ ins., 18.ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *20*

face, and raised a mound of stone alongside. Pits

impracticable.

80.42 The corner to sections 27, 28, 33 *and* 34.

Land mountainous.

Soil *3rd* rateVegetation, bunchgrass *and* sagebrush.

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

December 15th 1882.

Township

19 *W.*

Range

17 *E.*

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

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

- 8.00 Enter Pine timber ^{and} petrified wood.
- 40.00 Set a Sand stone $24 \times 10 \times 3$ ins., 18 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.
- 42.00 Enter Valley, bears *E. and W.*
- 80.00 Set a Sandstone $16 \times 8 \times 2$ ins. 11 ins. in the ground for Cor. to Secs. 21, 22, 27, 28, marked with 2 notch ∞ on S. and 3 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. X
- Land level. ^{and} rolling.
- Soil ^{good} ~~poor~~ _{rich}
- Vegetation, bunchgrass ^{and} sagebrush.

Township

19 *W.*

Range

17 *E.*

Gila and Salt River Meridian.

Chains

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

Variation $140^{\circ} 14'$ East.*Over level land*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

S.D. 08 Intersect N. & S. line, 21 lks. North of cor. to secs.

22, 23, 26 & 27 from which corner, I run*N. 89° 51' W.* on a true line between sections 22 ^{and} 27.Variation $140^{\circ} 14'$ East

40.04 Set a sand stone $10 \times 9 \times 2$ 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

S.D. 08 The corner to sections 21, 22, 27 ^{and} 28.*Land level.**Soil 3rd rate**Vegetation, bunchgrass and sagebrush.*

Chains

North, between Sections 21 and 22.

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

- 4.00 Mr. Hawks house, bears *E.*, 20.00 chs. dist.
- 31.00 Cross Cottonwood Creek, 100 lks. wide, course *W.*
- 40.00 Set a sand stone $14 \times 10 \times 2$ 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
- 41.00 Leave Valley, bears *E.* and *W.* and ascend.
- 54.00 Top of Hill bears *E.* and *W.* and over tableland.
- 80.00 Set a sand stone $18 \times 12 \times 8$ ins. 12 ins. in the ground for Cor. to Secs. 15, 16, 21 & 22, marked with 3 notch *so* 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, and level.*
- Soil good rate*
- Vegetation, bunchgrasses and sagebrush.*

Township

19 N

Range

17 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.*Over Tableland.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.74.42 Cross Wash, 20 lks. wide, Course $S. 10^{\circ} W.$ 79.85 Intersect N. & S. line, 33 lks. North of cor. to secs.
14, 15, 22, 23, from which corner, I runN. $89^{\circ} 46' W.$ on a true line between sections 15 and 22.Variation $14^{\circ} 14'$ East39.92 Set a sand stone $14 \times 9 \times 2$ ins., 9 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N face,
dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside

79.85 The corner to sections 15, 16, 21 and 22,

Land rolling.

Soil *3rd* rate

Vegetation, bunchgrass and sagebrush.

Township 19 N. Range 17 E.

Gila and Salt River Meridian.

Chains

North, between Sections 15 and 16.

Variation 14° 14' East.*Over rolling land.*

40.00 Set a sand stone $20 \times 10 \times 5$ ins., 15 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 $14 \times 12 \times 4$ ins. 9 ins. in the ground for Cor. to Secs. 9, 10, 15th 16, marked with 4 notches on S. and 3 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside

*Land rolling.*Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township 19 N. Range 17 E.
Gila and Salt River Meridian.

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

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

Over rolling land.

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

50.00 Top of Ridge, bears $N. \text{ and } S.$ and descend.

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

10, 11, 14 & N. from which corner, I run

$N. 59^{\circ} 54' W.$ on a true line between sections 10 and 15.

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

40.03 Set a sand stone $14 \times 8 \times 3$ ins., 9 ins.

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

dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$

ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$

ft. base alongside

80.06 The corner to sections 9, 10, 15 and 16.

Land rolling, and mountainous.

Soil good rate

Vegetation, bunchgrass and sagelinet.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

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

40.00

Set a sand stone $13 \times 12 \times 6$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins., N and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside

80.00

Set a sand stone $16 \times 8 \times 5$ ins. 11 ins. in the ground for Cor. to Secs. 3, 4, 9 & 10, marked with 5 notches on S. and 3 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside

*Land level.**Soil 3rd rate**Vegetation, bunchgrass and sagebrush.*

Township

19 *W.*

Range

17 *E.*

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.*Over level land*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.78 Intersect N. & S. line, 20 lks. North of cor. to secs.
2, 3, 10 & 11, from which corner, I run*N. $89^{\circ} 51'$ W. on a true line between sections 3 and 10.*Variation $14^{\circ} 14'$ East39.89 Set a sand stone $14 \times 6 \times 3$ ins., 9 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *W.* face,
dug pits $18 \times 18 \times 12$ ins., *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 3, 4, 9 and 10

*Land level.**Soil 3rd rate**Vegetation, bunchgrass and sagebrush.*

Township 19 N. Range 17 E.
Gila and Salt River Meridian.

Chains

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

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

Ascend.

23.00 Top of Spur, bears $N 45^{\circ} E$. $2\frac{1}{2}$ S. W. and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

St. 37 Intersect N. B. of Tp. 23 lks. East of cor. to secs.
3, 4, ~~33~~ ^{recently established by} ~~34~~ from which corner, I run

N. $10' E$, on a true line, between sections 3 and 4.Variation $14^{\circ} 10'$ East.

40.37 Set a sandstone $10 \times 9 \times 6$ 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

St. 37 The corner to sections 3, 4, 9 and 10.

Land mountainous.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

December 16th 1882.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

From the cor. to secs. 4, 5, 32 and 33 on N. boundary
of ~~20th Sec.~~ ~~2000~~ recently re-established by ~~me~~

North, between Sections 32 and 33.

Variation 130 45'

East.

Over level valley.

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

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

63.30 Top of Hill bears E. and W. and descend.

80.00 Set a sand stone 16 x 14 x 4 ins., 11 ins.
in the ground for Cor. to Secs. 28, 29, 32 & 33, marked
with 1 notch on S. and 4 notch 80 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. and hilly.

Soil good rate

Vegetation, bunchgrass and sagebrush.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

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

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

37.10 Cross Wash, 20 lks. wide, Course N.

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

80.60 Intersect N. & S. line, 52 lks. South of cor. to secs.

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

S. $89^{\circ} 38' W.$ on a true line between sections 28 and 33.Variation $14^{\circ} 14'$ East

40.32 Set a sand stone $12 \times 11 \times 4$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside

80.65 The corner to sections 28, 29, 32 and 33.

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation $140^{\circ} 14'$ East.

Descend.

27.00 Enter Cottonwood Valley, bear E. 45° W.40.00 Set a sand stone $14 \times 8 \times 3$ ins., 9 ins.

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

70.90 Cross Wash, 20 lks. wide, Course W.

80.00 Set a sand stone $10 \times 9 \times 3$ ins., 10 ins.
 in the ground for Cor. to Secs. 20, 21, 28 & 29 marked
 with 2 notches on S. and 4 notches on E. edges,
 dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base alongside

Land rolling.

Soil good rate

Vegetation, bunchgrass and sagebrush.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

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

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

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

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

S. $89^{\circ} 46'$ W. on a true line between sections 21 and 28.Variation $14^{\circ} 14'$ East

40.39 Set a sand stone $14 \times 8 \times 3$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside

80.79 The corner to sections 20, 21, 28 and 29.

Land level.

Soil *3rd* rate

Vegetation, bunchgrass and sagebrush.

Township

19 *M.*

Range

17 *E.*

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

14° 14'

East.

Over level land

40.00

Set a Sand stone 13 x 8 x 4 ins., 9 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., *M.* and *o*. of stone 5 $\frac{1}{2}$
ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$
ft. base alongside

42.00

Cottonwood
Cross Creek 100 yds. wide, Course *W.*

50.00

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

70.00

Top of Hill bears *E.* and *W.* and descend.

80.00

Set a Sand stone 16 x 8 x 3 ins. 11 ins.
in the ground for Cor. to Secs. 16, 17, 20 & 21, marked
with 3 notch *o* on *S.* and 4 notch *o* 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 level. and hilly.

Soil 3000 rate

Vegetation, bunchgrass and sagebrush.
December 18th 1882.

Township 19 N. Range 17 E.

Gila and Salt River Meridian.

Chains

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

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

80.46 Intersect N. & S. line, 15 lks. North 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 and 21.**Variation $14^{\circ} 14'$ East*40.23 Set a sand stone $17 \times 13 \times 8$ ins., 11 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*

80.46 The corner to sections 16, 17, 21 and 22.

*Land rolling.**Soil 3rd rate**Vegetation, bunchgrass and sagebrush.*

Township

19 N

Range

17 E

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

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

30.00 Top of Hill bears E. and W. and descend.

40.00 Set a Sand stone $15 \times 12 \times 4$ 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 $16 \times 12 \times 5$ ins. 11 ins. in the ground for Cor. to Secs. 8, 9, 16 and 17, marked with 4 notch 90 on S. and 4 notch 90 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 and hilly.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

41

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

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

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

St. 17 Intersect N. & S. line, 25 lks. North of cor. to secs.

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

N. $89^{\circ} 45' W.$ on a true line between sections 9 & 16,Variation $14^{\circ} 14'$ East

40.08 Set a sand stone $16 \times 8 \times 2$ ins., 11 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

St. 17 The corner to sections 8, 9, 16 & 17.

*Land level.**Soil 3rd rate**Vegetation, bunchgrass & sagebrush.*

Township 19 N. Range 17 E.
Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

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

40.00 Set a sand stone $16 \times 12 \times 3$ ins., 11 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on E. 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 $10 \times 10 \times 6$ ins. 10 ins.
in the ground for Cor. to Secs. 4, 5, 8 and 9, marked
with 5 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 level.*Soil *3rd* rate

Vegetation, bunchgrass and sagebrush.

Township

19 N.

BOOK

322

Range

17 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.50.00 Top of Spur, bears $N. 6^{\circ} E.$ and descend.

80.56 Intersect N. & S. line, 52 lks. North of cor. to secs.

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

 $N. 89^{\circ} 08' W.$ on a true line between sections 4 and 9,Variation $14^{\circ} 14'$ East

40.28 Set a sand stone $14 \times 11 \times 5$ ins., 9 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside

80.56 The corner to sections 4, 5, & 9.

*Land mountainous.*Soil 3rd rate

Vegetation, bunchgrass and vegetation.

Township

19 W

Range 17 E

Gila and Salt River Meridian.

Chains

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

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

Over level land

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

80.03 Intersect $\frac{1}{4}$ B. of Tp. 11 lks. West of cor. to secs.
~~recently established by me~~
 H, 5, 72th and 33rd from which corner, I run

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

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

40.03 Set a sandstone $13 \times 12 \times 5$ ins., 9 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face,
 dug pits $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$
 ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
 ft. base alongside

80.03 The corner to sections 4, 5, 8 and 9.

Land level.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township

19 *M*

Range

17 *E*

Gila and Salt River Meridian.

Chains

From the cor. = sec. 5, 6, 31^{or} 32, on E. boundary of tp.,
~~from the cor. = sec. 5, 6, 31^{or} 32, on E. boundary of tp.,~~
 1/4 mi North, between Sections 31 and 32.

Variation 130 45' East.

*On level valley.*30.00 Leave Valley, bears *E. and N.* and ascend.

40.00 Set a sand stone 13 x 10 x 3 ins., 9 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.

40.50 Top of Ridge, bears *E. and N.* and descend.

80.00 Set a sand stone 12 x 10 x 3 ins. 8 ins.
 in the ground for Cor. to Secs. 29, 30, 31^{or} 32, marked
 with 1 notch on *S.* and 5 notch *Es* 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 level. ^{and} mountainous.**Soil 3rd rate**Vegetation, bunchgrasses ^{and} sagebrush.*

Township 19 N Range 17 E,
Gila and Salt River Meridian.

Chains East, on a random line between Sections 29 and 32.
Variation $14^{\circ} 14'$ East.

Over level land

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

St. 38 Intersect N. & S. line, 26 lks. South of cor. to secs.

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

S. $89^{\circ} 49'$ W. on a true line between sections 29 and 32,

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

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

St. 38 The corner to sections 29, 30, 31 and 32,

Land level.

Soil good rate

Vegetation, bunchgrass and sagelmohr.

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

December 17th 1882.

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

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

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

Descend.

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

56.50 Enter Valley, bears N. E. and S. W.

81.92 Intersect W. B. of Tp. 24 lks. North of cor. to secs.
 recently re-established by me -
 25, 30, 31 & 36 from which corner, I run
 N. $89^{\circ} 50'$ E. on a true line, between sections 30 and 31.

Variation $14^{\circ} 17'$ East.

41.92 Set a sandstone $30 \times 6 \times 4$ ins., 22 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

81.92 The corner to sections 29, 30, 31 and 32.

Land level. and rolling.

Soil good rats

Vegetation, bunchgrass and sagebrush

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

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

Descend.

- 17.00 Enter Valley, bears E. and N.
- 31.41 Cross Wash, 50 lks. wide, Course N.
- 40.00 Set a sand stone $14 \times 9 \times 2$ ins., 9 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, dug pits $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.
- 80.00 Set a sand stone $14 \times 10 \times 1$ ins. 9 ins. in the ground for Cor. to Secs. 19, 20, 29 & 30, marked with 2 notches on S. and 5 notches on E. edges, dug pits $18 \times 18 \times 12$ 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 and rolling.

Soil 300 rate

Vegetation bunchgrass & sagebrush.

Township 19 N., Range 17 E.
Gila and Salt River Meridian.

Chains

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

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

Over rolling land.

34.00 Cross Wash, 100 yds. wide, Course S.W.

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

50.10 Intersect N. & S. line, 11 yds. North of cor. to secs.

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

 $N. 87^{\circ} 55' W.$ on a true line between sections 20 and 29.Variation $14^{\circ} 14'$ East

40.00 Set a sandstone $13 \times 10 \times 4$ ins., 9 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face,
dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside.

50.10 The corner to sections 19, 20, 29 and 30.

Land rolling.

Soil 3rd rate

Vegetation, bunchgrasses and sagebrush.

Township 19 *N* Range 17 *E*
Gila and Salt River Meridian.

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

Over level land

5.00 Leave Valley, bears *N. E.* ~~and~~ *S. W.* and ascend.

37.00 Top of Hill bears *N.* ~~and~~ *S.* and descend.

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

82.81 Intersect *N. B.* of Tp. 8 *N.*s. *N. 1/4* of cor. to secs.
~~recently re-established by me -~~
19, 24, 25 ~~and~~ 30 from which corner, I run
 $N. 89^{\circ} 57' E.$ on a true line, between sections 19 ~~and~~ 30.
Variation $14^{\circ} 19'$ East.

42.81 Set a sand stone $10 \times 9 \times 4$ 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 *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.

82.81 The corner to sections 19, 20, 29 ~~and~~ 30.
Land level.

Soil *3rd* rate

Vegetation, bunchgrass ~~and~~ sagebrush.

Township

19 N

Range

17 E

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation $14^{\circ} 14'$ East.*Over rolling land.*4.50 Leave Valley, bears N. E. 2° S. W. and ascend.

40.00 Set a Sand stone $16 \times 10 \times 2$ ins., 11 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 $13 \times 8 \times 8$ ins. 9 ins. in the ground for Cor. to Secs. 17, 18, 19 & 20 marked with 3 notch 20 on S. and 5 notches 20 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, bunchgrass 2^{d} sagebrush,

Township 19 N Range 17 E

Gila and Salt River Meridian.

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

Ascend.

11.50 Top of Ridge, bears N. and S. and descend.18.70 Cross Wash, 25 lks. wide, Course S. and ascend.38.50 Top of Hill bears N. and S. and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.93 Intersect N. & S. line. 24 lks. North of cor. to secs.
16, 17, 20 and 21, from which corner, I runN. $89^{\circ} 50'$ W. on a true line between sections 17 and 20.
Variation $14^{\circ} 14'$ East39.76 Set a sand stone $15 \times 9 \times 7$ 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.79.93 The corner to sections 17, 18, 19 and 20.

Land mountainous.

Soil poor rateVegetation, bunchgrass and sagebrush.

Township 19 N. Range 17 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.*Descend.*30.00 Enter low sag, bears N. 45° E.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

47.50 Leave sag, bears N. and S. and ascend.

84.08 Intersect W. B. of Tp. 19 $\frac{1}{2}$ m. South of cor. to secs.
recently re-established by me
13, 18, 19 $\frac{1}{2}$ m. from which corner, I ranS. $89^{\circ} 52' E$ on a true line, between sections 18 and 19.Variation $14^{\circ} 17'$ East.44.08 Set a sand stone $16 \times 10 \times 3$ ins., 11 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.

84.08 The corner to sections 17, 18, 19 and 20.

Land rolling.

Soil 3rd rateVegetation, bunchgrass and sagebrush.
December 20th 1882.

Township

19 N.

Range

17 E

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation $140^{\circ} 14'$ East.*Ascend.*23.00 Top of Hill bears N. W. 24° S. E. and descend.

40.00 Set a sand stone $16 \times 12 \times 5$ ins., 11 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 $19 \times 10 \times 3$ ins. 14 ins. in the ground for Cor. to Secs. 7 & 17, marked with 4 notches on S. and 5 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base alongside.

*Land rolling.*Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

Township

19 N,

Range

17 E

Gila and Salt River Meridian.

Chains

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

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

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

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

S. $89^{\circ} 54'$ W. on a true line between sections 8 and 17.Variation $14^{\circ} 14'$ East

39.89 Set a sand stone $15 \times 10 \times 5$ 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.

79.79 The corner to sections 7, 8, 17 and 18.

*Land level.**Soil ~~is~~ rate**Vegetation, bunchgrass and sagebrush.*

Township 19 N, Range 17 E,

Gila and Salt River Meridian.

Chains West, on a random line between Sections 7 and 18.
Variation $140^{\circ} 14'$ East.

Over level land

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

P.S. 26 Intersect N. B. of Tp. 21 Ns. Mont. of cor. to secs.
~~recently re-established by me~~
7, 12, 18 $\frac{1}{4}$ from which corner, I ran

$N. 89^{\circ} 52' E.$ on a true line, between sections 7 and 18.

Variation $140^{\circ} 17'$ East.

45.26 Set a sand stone $16 \times 12 \times 4$ ins., 11 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.S. 26 The corner to sections 7, 8, 17 and 18

Land level.

Soil 3^{rd} rate

Vegetation bunchgrass and sagebrush

Township

19 N.

Range

17 E.

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

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

40.00

Set a sand stone $15 \times 12 \times 4$ 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., 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 $17 \times 8 \times 4$ ins. 11 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 $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

*Land level.**Soil 3rd rate**Vegetation, bunchgrass and sagebrush*

Township 19 N. Range 17 E.
Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 14'$ East.*Over level land*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

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

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

S $89^{\circ} 57'$ W. on a true line between sections 5 and 8.Variation $14^{\circ} 14'$ East

40.20 Set a Sand stone $17 \times 10 \times 3$ ins., 11 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face,
dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside

80.40 The corner to sections 5, 6, 7 and 8.

Land level.

Soil 3rd rate

Vegetation bunchgrass and sagebrush.

Township 19 N. Range 17 E.
S. 4th S. R. Meridian.

Chains

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

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

32.54 Cross Wash, 20 lks. wide, Course S. W. and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.49.00 Top of Hill bears N. E. ^{and} S. W. and descend.

86.19 Intersect W.B. of Tp. 34 lks. North of cor. to secs.
~~recently re-established by~~
 1, 6, 7 ^{and} 12, from which corner, I run
 $N. 89^{\circ} 46' E.$ on a true line, between sections 6 ^{and} 7.

Variation $14^{\circ} 17'$ East.

46.19 Set a sand stone $18 \times 9 \times 5$ 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

86.19 The corner to sections 5, 6, 7 ^{and} 8.*Land rolling.**Soil 3^m rate**Vegetation, bunch grass and sagebrush.*

Township

19 N

Range

17 E

Gila and Salt River Meridian.

Chains

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

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

Over level land

40.00

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

79.86

Intersect N. B. of Tp. 37 lks. West of cor. to secs.
~~usually established by me~~
 5, 6, 31 and 32 from which corner, I run
 S. $16^{\circ} 20'$ on a true line, between sections 5 and 6.

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

89.86

Set a sand stone $15 \times 9 \times 6$ ins., 10 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on 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

79.86

The corner to sections 5, 6, 7 and 8.

Land level.

Soil 3rd rate

Vegetation, bunchgrass and sagebrush.

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

December 21st 1882.

John Sloc, Compassman.

GENERAL DESCRIPTION.

The general surface of this township is rolling, with the exception of a level valley in the southern part and several ridges that cross various portions of it.

The soil is 3rd rate and of a sandstone formation, producing sagebrush and bunchgrass, the latter rendering the township valuable for grazing purposes.

The township is watered by Cottonwood Creek which flows through it from East to West. Mr. Harris has a residence in the S. W. part of sec. 22.

Final Oaths for Surveys.

LIST OF NAMES.

A list of the names of the individuals employed by _____

Frank Tollman, 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 subdivision and a*

portion of the retracings of Exterior lines of T. 19 N. R. 17 E. S. 1. S. R. M

showing the respective capacities in which they acted.

A. John Sleo, Compassman.

A. N. Schreter, Chainman.

A. W. Parker, Chainman.

See
Stamp, Chainman.

, Chainman.

James Dalton, Axeman.

, Axeman.

, Flagman.



Final Oaths of Assistants.

We hereby certify that we assisted

Frank Tollman

~~_____~~, United States Deputy Surveyor,
 in surveying all those parts or portions of the *subdivision*
and a portion of the retracings of Stenois
lines of T. 19 N. R. 17 E. & 4 S. R. 3 W

of the _____ 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*

John Spee, Compassman.

A. A. Schreter, Chainman.

H. W. Parker, Chainman.

James Dalton, Axeman.

_____, Axeman.

_____, Flagman.

Subscribed and sworn to before me this *26th*
 day of *December*, 188*2*

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

Final Oath of United States Deputy Surveyor.

I, Frank Tollman,

United States Deputy Surveyor, do solemnly swear that in pursuance of instructions received from John Mason

Arizona, United States Surveyor-General for

29th day of July, 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 subdivision

and a portion of the retracings of Exterior lines of T19 R17 E1 & D R. M

of the _____ 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

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.

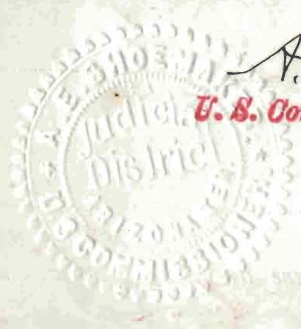
Frank Follman,

United States Deputy Surveyor.

Subscribed and sworn to before me this 26th
day of December, 1882.

A. E. Shoemaker

**U. S. Commissioner, 3d Judicial District,
Arizona Territory.**



Blank lined page with a red border and faint handwriting.

U. S. Surveyor General's Office,

TUCSON, ARIZONA,

April 19, 1883,

The foregoing Field Notes of the Survey of the

Subdivision lines of Twp.
19 North, Range 17 East,

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by Frank Fallman

Deputy Surveyor, under his contract of the 29th
day of July, 1882, having been

critically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe
are hereby approved.

J. W. Robinson
Surveyor General.