

Henry Meyrick Jr. Deputy Surveyor.

T. *16 N.* R. *21 E.*

Gila and Salt River Meridian.

No - 247

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *16 N.* Range *21 E.*

Gila and Salt River Meridian.

BY

Henry Meyrick Jr. Deputy Surveyor.

Under his Contract of *July 28th* 1882

Survey Commenced *May 9th* 1883

Survey Completed *May 4th* 1883

*Platted,
Copied for Washington,
Copied for Register,*

Township 16 North, Range 21 East,
Gilman 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
50		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	20	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.....

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Meridian.

No-247

For preliminary
notes see book No. 17

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

110
Township

Range

21 E

Gila and Salt River Meridian.

Chains

From the corner to Sections 35, 36, 1 and 2 on the South boundary ^{previously set by me.} $\frac{1}{4}$ I run,
 $1^{\circ} 10' W.$
 North, between Sections 35 and 36

Variation $13^{\circ} 54'$ East.

Ascend.

40.00

Set a Sand stone $15 \times 10 \times 8$ 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 $16 \times 14 \times 4$ ins. 10 ins.
 in the ground for Cor. to Secs. 25, 26, 35 & 36 marked
 with | notch on S. and | notch on E. edges,
 dug pits $18 \times 18 \times 12$ 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 & sage.

Township 16 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 57' East.

Ascend.

27.00 Top of Hill bears N. W. & S. E. and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.18 Intersect E. B. of Tp. 21 1/2 m. N. of cor. to secs.25, 30, 31 & 36 ^{previously described by me} from which corner, I runN. 89° 57' W. on a true line, between sections 25 & 36Variation 13° 57' East.40.69 Set a Sand stone 15 x 12 x 9 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits 18 x 18 x 12 ins., 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 25, 29, 35 & 36Land hilly.Soil 3rd rateVegetation grass & sage.

Township

16 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation

13° 57'

East.

Ascend gradually.

18.00

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

40.00

Set a Sand stone 15 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.

90.00

Set a Flint stone 18 x 8 x 4 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, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base alongside.

Land rolling.

Soil 3rd rate

Vegetation Grass & sage.

Township 10 N. Range 21 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 24 and 25.
 Variation $13^{\circ} 57'$ East.

Over rolling land.

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

80.43 Intersect E. B. of Tp. 12 Ws. S. of cor. to secs.
 19. 21. 25 & 30 ^{previously described by me} from which corner, P run

89. 55 W. on a true line, between sections 24 & 25
 Variation $13^{\circ} 57'$ East.

40.21 Set a Sand stone $10 \times 10 \times 6$ ins., 6 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ ins., E and W. of stone $5\frac{1}{2}$
 ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
 ft. base alongside.

80.43 The corner to sections 23. 24. 25 & 20

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township

16 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

^{1° 10' W.}
 North, between Sections 23 and 24.

Variation 13° 57' East.

Over rolling land.

40.00

Set a Sand stone 10 x 10 x 0 ins., 0 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 18 x 16 x 4 ins. 12 ins.
 in the ground for Cor. to Secs. 13, 14, 23 & 24 marked
 with 3 notches on S. and 1 notch on E. edges,
 dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township 10 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.

Descend. gradually.

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

45.00 Cross low Sag and ascend.

80.08 Intersect E. B. of Tp. 33 lks. S. of cor. to sec.

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

S $89^{\circ} 46'$ N on a true line, between sections 13 & 24Variation $13^{\circ} 57'$ East.

40.04 Set a Sand stone $18 \times 15 \times 14$ 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.

80.08 The corner to sections 13, 14, 23 & 24

Land rolling.

Soil 3^{50} rate

Vegetation Grass & sage.

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains

1st 10' W.
North between Sections 13 and 14.Variation 13° 57' East.*Ascend gradually.*21.00 Top of Spur, bears S. 70° E. & N. 70° W. and descend.40.00 Set a Sand stone 10 x 14 x 1/2 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.80.00 Set a Sand stone 14 x 5 x 3 ins. 10 ins. in the ground for Cor. to Secs. 11, 12, 13 & 14 marked with 1/4 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base alongside.

Land rolling.

Soil 3rd rateVegetation grass & sage.

Township 10 N. Range 21 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 12 and 13.
Variation $13^{\circ} 57'$ East.*Ascend gradually.*25.00 Top of Spur, bears $N 20^{\circ} E$ S. 20' and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.86 Intersect E. B. of Tp. 14 lks. N. of cor. to secs.

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

 $N 89^{\circ} 54' W.$ on a true line, between sections 12 & 13Variation $13^{\circ} 57'$ East.39.93 Set a Sand stone $18 \times 16 \times 4$ ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, alongside.

79.86 The corner to sections 11. 12. 13 & 14

Land rolling.

Soil 3^{rd} rate

Vegetation grass & sage.

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains

170. W.
North, between Sections 11 and 12.

Variation 13° 57' East.

Over rolling land.

2.00 Enter Timber, bears N. 70° E. & S. 70° W. & descend

29.00 Cross Canon, 60 lks. wide. Course E. W. and ascend

40.00 Set a Sand stone 20 x 10 x 2 ins., 15 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.

47.00 Leave Timber, bears S. 7° E.

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

58.00 Cross low Sag and ascend.

73.00 Top of Spur, bears S. 45° E. & N. 45° W. and descend.

80.00 Set a Sand stone 15 x 14 x 4 ins., 10 ins. in the ground for Cor. to Secs. 1, 2, 11 & 12 marked with 5 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 3^m rate

Vegetation grass & sage.

Timber of juniper.

Township 10 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation

 $13^{\circ} 57'$

East.

*Descend. gradually.*18.00 Enter Timber, *beak S. 20° E & N. 20° W.*36.00 Cross Canon, *60* lks. wide. Course *N.* and ascend40.00 Set temporary $\frac{1}{2}$ Sec. Cor.44.50 *Due North of this point is is situated
Crowns Ranch 28.00 chains. dist.*80.40 Intersect E. B. of Tp. *48* lks. *N.* of cor. to secs.*1.6. 7 & 12, ^{misrausly described by me} from which corner, I run**N. 89° 39' W. on a true line, between sections 1 & 12*

Variation

 $13^{\circ} 57'$

East.

40.20 Set a Sand stone *16 x 8 x 3* ins., 10ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on *N.*

face, and raised a mound of stone alongside. Pits

*impracticable.*80.40 The corner to sections *1, 2, 11 & 12**Land rolling.**Soil ^{g^{ro}} rate**Timber of Juniper.**Vegetation. grass & sage.**I carefully examined the adjustments of my solar
compass to-day, particularly the latitude and revers-
ing apparatus, and found them correct.*

Township 10 N Range 21 EFrom the corner to sections, Gila and Salt River Meridian.
2, 3, 34, 35, previously set by me.Chains 1.10 W Iron North, between Sections 34 and 35.Variation 13° 54' East.Over high open prairie sloping East.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone
12 ins. in the ground, for Cor. to Secs, 26, 27, 34 & 35
marked T, 16 N, S, 20, on N, E, R, 21 E, S, 35
on S, E, S, 34 on S, W, and S, 27 on N, W, face
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
around post.

Land rolling.

Soil 3rd rateVegetation grass & sage.

Township

10 N.

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation

 $13^{\circ} 57'$

East.

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

57.00 Foot. of hill bears N.E. & S.W. & ascend.

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

79.92 Intersect N. & S. line, 31 lks. S. of cor. to secs.

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

S. $89^{\circ} 47'$ W. on a true line between sections 26 & 35

Variation

 $13^{\circ} 57'$

East

39.90

Set a Sand stone $18 \times 8 \times 0$ ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

79.92

The corner to sections 26, 27, 34 & 35

*Land rolling.*Soil 3rd rate

Vegetation grass & sage.

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains

North, ^{1° 10' W.} between Sections 26 and 27.Variation 13° 57' East.*Over rolling land.*

46.00

Set a Sand stone $14 \times 10 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ 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 $14 \times 10 \times 4$ ins. 10 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 rolling.*Soil 3rd rateVegetation grass & sage.

Township 16 N. Range 21 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 23 and 26.
Variation $13^{\circ} 57'$ East.

Over rolling land.

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

79.70 Intersect N. & S. line, 5 lks. N. of cor. to secs.
23, 24, 25, 26 from which corner, I run

N. $89^{\circ} 58' W.$ on a true line between sections 23 & 20
Variation $13^{\circ} 57'$ East

39.85 Set a sand stone $12 \times 12 \times 6$ ins., 8 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face,
dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside.

79.70 The corner to sections 22, 23, 20, & 27

Land rolling.

Soil 3° rate

Vegetation grass & sage.

Township 16 N Range 21 E

Gila and Salt River Meridian.

Chains

^{1° 10' W}
North, between Sections 22 and 23.Variation 13° 57' East.*Over rolling land.*

40.00

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 *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 $10 \times 14 \times 4$ ins. 10 ins. in the ground for Cor. to Secs. *14, 15, 22 & 23* marked with *3* notches on *S.* and *2* notches on *E.* edges, dug pits $18 \times 18 \times 12$ 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 & sage.*

17

Township

16 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation

13° 57'

East.

Ascend.

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

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

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

14, 23 & 24 from which corner, I run

N. 89° 53' W. on a true line between sections 14 & 23

Variation

13° 57'

East

39.91

Set a sand stone 10 x 10 x 14 ins., 0 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits 18 x 18 x 12 ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

79.83

The corner to sections 14, 15, 22 & 23

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township 10 N Range 21 E

Gila and Salt River Meridian.

Chains

North, ^{1.10' W} between Sections 14 and 15.Variation $13^{\circ} 57'$ East.

Descend.

40.00

Set a Sand stone $18 \times 5 \times 4$ 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.

42.00

Cross low Sag and ascend.

72.00

Top of Spur, bears $S. 70^{\circ} W.$ & $N. 70^{\circ} E.$ and descend.

80.00

Set a Sand stone $14 \times 8 \times 4$ 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 3rd rate

Vegetation grass & sage.

Township

16

N

Range

21

E

Gila and Salt River Meridian.

Chains

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

Variation

13° 57'

East.

Descend gradually.

8.00

Enter Timber, bears N. & S.

8.50

Cross Canon, 56 lks. wide, Course N. and ascend

40.00

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

43.50

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

60.00

Cross low Sag and ascend.

70.00

Leave Timber, bears N. E. & S. W.

80.04

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

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

S 89° 57' W. on a true line between sections 11 & 14.

Variation

13° 57'

East

40.02

Set a sand stone 24 x 7 x 2 ins., 18 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.

80.04

The corner to sections 10, 11, 14 & 15

Land rolling.

Soil 3rd

rate

Vegetation

grass & sage.

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains ^{1° 10' W.} North, _A between Sections 10 and 11.
Variation ^{13° 57'} East.

Ascend gradually.

6.00 Enter Timber, bear N. 30° W. & S. 30° E.

40.00 Set a Sand stone 14 x 5 x 4 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.

43.00 Leave Timber, bear S. E. & N. W.

80.00 Set a Sand stone 14 x 10 x 0 ins. 10 ins. in the ground for Cor. to Secs. 2, 3, 10 & 11 marked with 5 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil ^{3rd} rate

Vegetation grass & sage.

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

Township

16 N.

Range

21 E.

Gila and Salt River Meridian

Chains

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

Variation

13° 57'

East.

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

53.00 Cross low Sag and ascend.

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

1.2.11 & 12 from which corner, I run

N. 89° 54' W. on a true line between sections 2 & 11

Variation 13° 57' East

40.00 Set a Sand stone 20 x 12 x 3 ins., 15 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.

80.12 The corner to sections 2, 3, 10 & 11

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains

North, on a ^{1° 10' W. line} random line between Sections 2 and 3.

Variation 13° 57' East.

Ascend. gradually.

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

40.00 Set a Sand stone 10 x 14 x 3 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.

79.27 Intersect the 14th Standard Parallel North at a point 0.10 chs. East of the Standard ^{1/4} Cor. to on S. P. of Secs. 34 and T. 17th N. R. 21 E. - which is a post-3 ft. long, 3 ins. diam. 12 ins. in the ground, marked S. C. 1/4 on N. face, with pits, 18 x 18 x 12 ins. E and W. of post-5 $\frac{1}{2}$ ft. dist. and a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base around post.

A. W. H. Mason. Completion. May 1. 1883

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{closing} Cor. to Secs. 2 and 3 marked C. C T. 16 N. R. 21 E., on S. S. 2 on E. and S. 3 on W. faces, with 2 notches on E. and 4 notches on W. faces, dug pits 18 x 18 x 12 ins. S. E. W. of post, 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base around post.

Land rolling.
Soil fine

rate

Vegetation Grass & A. W. H. Mason. Completion. May 1. 1883

Township 16 N Range 21 E

Gila and Salt River Meridian.

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

Chains

North, between Sections 33 and 34.

Variation $13^{\circ} 54'$ East.

Over rolling land.

40.00

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

80.00

Set a Sand stone $12 \times 10 \times 9$ 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, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township 16 N Range 21 E

Gila and Salt River Meridian.

Chains	East, on a random line between Sections 27 and 34.
	Variation $13^{\circ} 57'$ East.
25.00	Over high Prairie descending gradually. Cross Road, old Stage to Fort. Apache beane N. 30° W. & S. 30° E.
40.00	Set temporary $\frac{1}{4}$ Sec. Cor.
79.73	Intersect N. & S. line, 9 lks. S. of cor. to secs. 26.27.34 & 30 from which corner, I run S. $89^{\circ} 56'$ W. on a true line between sections 27 & 34
	Variation $13^{\circ} 57'$ East
39.80	Set a sand stone $12 \times 12 \times 4$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside.
79.73	The corner to sections 27. 28. 33 & 34 Land rolling. Soil 3^{rd} rate Vegetation grass & sage.

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains

^{1° 10' W.}
North, between Sections 27 and 28.Variation 13° 57' East.*Over rolling land.*

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

80.00 Set a *Sand* stone $12 \times 12 \times 8$ ins. 8 ins. in the ground for Cor. to Secs. 21. 22. 27 & 28 marked with 2 notches on *S.* and 3 notches on *E.* edges, dug pits $18 \times 18 \times 12$ 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 & sage.

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 22 and 27.
Variation 13° 57' East.

10.00 Over rolling land.
Cross road N. & S.
40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.85 Intersect N. & S. line, 21 lks. S. of cor. to secs.
22, 23, 26 & 27 from which corner, I run
S. 89° 57' W. on a true line between sections 22 & 27
Variation 13° 57' East

39.92 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.

79.85 - The corner to sections 21, 22, 27 & 28
Land rolling.

Soil 3rd rateVegetation grass & sage.

Township

16 N

Range

21 E

Gila and Salt River Meridian.

Chains

North, ^{1° 10' W.} between Sections 21 and 22.

Variation

13° 57'

East.

Over rolling land.

29.00

Cross Road, bears, N. 25° W. & S. 25° E.

40.00

Set a Sand stone $12 \times 12 \times 6$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

80.00

Set a Sand stone $20 \times 15 \times 10$ ins., 10 ins. in the ground for Cor. to Secs. 15, 16, 21 & 22 marked with 3 notches on S. and 3 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

*Land rolling.*Soil 3rd rate

Vegetation grass & sage.

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

Henny Meyrick May 2 1883

Township 10 N. Range 21 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.*Ascend gradually.*25.00 Top of Spur, bears *N. & S.* and descend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

54.00 Cross low Sag and ascend.

79.97 Intersect N. & S. line, 34 lks. *N.* of cor. to secs.*14. 15. 22 & 23 from which corner, I run**N. $89^{\circ} 45' W.$ on a true line between sections 15 & 22*Variation $13^{\circ} 57'$ East

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

79.97 The corner to sections 15. 16. 21 & 22

Land rolling.

Soil 3° rateVegetation *grass & sage.*

Township

16 N

Range

21 E

Gila and Salt River Meridian.

Chains

1° 10' W.
North, between Sections 15 and 16.

Variation

13° 57'

East.

Ascend gradually.

39.00

Top of Spur, bears N. E. 45° S. W. and descend.

40.00

Set a Sand stone 14 x 10 x 4 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.

55.00

Cross low Sag and ascend.

80.00

Set a Sand stone 12 x 8 x 4 ins. 8 ins.
in the ground for Cor. to Secs. 9, 10, 15 & 10 marked
with 4 notches on S. and 3 notches on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township 10 N Range 21 E

Gila and Salt River Meridian.

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

Variation $13^{\circ} 57'$ East.

Descend. gradually.

21.00 Cross low Sag and ascend.

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

55.00 Top of Hill bears NE and S. N. and descend.

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

10.11.14.15 from which corner, I run

N. $89^{\circ} 51' W.$ on a true line between sections 10 & 15Variation $13^{\circ} 57'$ East

39.89 Set a sand stone $30 \times 8 \times 4$ ins., 21 i. s. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. E., 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.

79.79 The corner to sections 9, 10, 15 & 16

Land rolling.

Soil 3^{rd} rate

Vegetation grass & sage.

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains

^{1° 10' W.}
North, between Sections 9 and 10.Variation 13° 57' East.*Over rolling land.*

40.00 Set a Sand stone 16 x 14 x 4 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 16 x 15 x 3 ins. 10 ins.
in the ground for Cor. to Secs. 3. 4. 9 & 10 marked
with 6 notches on S. and 3 notches on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base. alongside.

*Land rolling.*Soil 3⁰⁰ rateVegetation grass & sage.

Township 16 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.*Ascend.*11.00 Top of Spur, bears *N. E. & S. W.* and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.68 Intersect N. & S. line, 4 lks. S. of cor. to secs.

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

 $S. 89^{\circ} 58' W.$ on a true line between sections 3 & 10Variation $13^{\circ} 57'$ East

39.84 Set a sand stone $14 \times 13 \times 4$ 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.

79.08 The corner to sections 3, 4, 9 & 10

*Land rolling.*Soil 3^{rd} rateVegetation *grass & sage.*

Township

16 N

Range

21 E

Gila and Salt River Meridian.

Chains

7° 10' W. true.
North, on a ~~random~~ line between Sections 3 and 4.

Variation 13° 57' East.

Ascend. gradually.

23.00 Top of Spur, bears N. 50° W. S. 50° E and descend.

37.00 Cross low Sag and ascend.

40.00 Set a sand stone 16 x 12 x 4 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base alongside.

79.50 Intersect the 4th Standard Parallel North at a point 0.18 chs. East of the Standard ^{1/4} Cor. to end B. of Secs. 33 and T. 17 N. R. 21 E. which is a mound of earth 1 1/2 ft. high, 3 1/2 ft. base with pits 18 x 18 x 12 ins. 5 1/2 ft. dist. E. & W. of cor. In E pit a stake 2 ft. long, 2 ins. square, 12 ins. in the ground marked 1/4 S. on N. face.

Set a sand stone 16 x 14 x 4 ins. 10 ins. in the ground for Closing Cor. to Secs. 3 and 4 marked C. C. with 3 notches on E. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base alongside.

Vegetation grass & sage.
Wind Maguech May 3, 1883

rate

Land rolling.

Soil

Township

10 N

Range

21 E

Gila and Salt River Meridian.

From the corner to sections, 4, 5, 32 & 33, ^{1 1/2} previously set by me.

Chains

Dunn North, between Sections 32 and 33.

Variation 13° 54' East.

Over high Prairie on W. slope of rise.

110.00

Set a Sand stone 15 x 10 x 8 ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base, alongside.

80.00

Set a Sand stone 12 x 12 x 5 ins. 8 ins. in the ground for Cor. to Secs. 28, 29, 32 & 33 marked with 1 notch on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, alongside.

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township

16 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.*Ascend gradually.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

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

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

 $N. 89^{\circ} 42' W.$ on a true line between sections 28 & 33Variation $13^{\circ} 57'$ East

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

80.38 The corner to sections 28, 29, 32 & 33

Land mountainous.

Soil 3^{rd} rate

Vegetation grass & sage.

Township 10 N Range 21 E

Gila and Salt River Meridian.

Chains

North ^{1° 10' W.} between Sections 28 and 29.Variation 13° 57' East.

Over rolling land.

40.00

Set a Sand stone $14 \times 8 \times 4$ 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.

41.00

Gentle Sag. Course N. E.

60.00

Leave Sag. Course N. E.

80.00

Set a Sand stone $14 \times 8 \times 6$ 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 3rd rateVegetation grass & sage

Township

16 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 57'

East.

Over rolling land.

7.00 Descend into sag.

15.00 Cross low Sag and ascend.

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

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

*21. 22. 27 & 28 from which corner, I run**N. 89° 52' W. on a true line between sections 21 & 28*

Variation

13° 57'

East

40.07 Set a sand stone 16 x 8 x 4 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits 18 x 18 x 12 ins., E. and W. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.

80.15 The corner to sections 20. 21. 28 & 29

*Land rolling.*Soil 3rd rate

Vegetation grass & sage.

Township

10 N.

Range

21 E

Gila and Salt River Meridian.

Chains

^{1.10.20.}
 North, between Sections 20 and 21.

Variation

13° 57'

East.

Over high open Prairie

40.00

Set a Sand stone $22 \times 6 \times 4$ 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 $16 \times 12 \times 3$ ins. 16 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 3rd rate

Vegetation grass & sage.

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

G. W. Pearson, Compassman, May 2, 1883

Township

16 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.*Over high Prairie descending.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

55.70 Cross Road, bears, N. & S.

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

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

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

 $S 89^{\circ} 55' W.$ on a true line between sections 16 & 21Variation $13^{\circ} 57'$ East

40.21 Set a Sand stone $20 \times 6 \times 6$ ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

80.42 The corner to sections 16, 17, 20, 21

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township

10 N

Range

21 E

40

Gila and Salt River Meridian.

Chains

^{1° 10' W.}
 North, between Sections 16 and 17.

Variation

13° 57'

East.

Over rolling land.

40.00

Set a Sand stone 12 x 10 x 2 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 14 x 8 x 4 ins. 10 ins. in the ground for Cor. to Secs. 8, 9, 16 & 17 marked with \int notch ∞ on S. and \int notch ∞ on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base alongside.

Land rolling.

Soil 3rd rate

Vegetation Grass & sage.

Township 10 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.

Over rolling land.

34.10 Cross Road, bears $S. 20^{\circ} E.$ & $N. 20^{\circ} W.$ 37.00 Top of Spur, bears $S. 30^{\circ} E.$ & $N. 30^{\circ} W.$ and descend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

53.00 Cross low Sag and ascend.

60.00 Top of Spur, bears $S. 30^{\circ} E.$ & $N. 30^{\circ} W.$ and descend.

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

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

N. $89^{\circ} 56' W.$ on a true line between sections 9 & 16Variation $13^{\circ} 57'$ East

39.97 Set a Sand stone $18 \times 14 \times 4$ 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.

79.94 The corner to sections 8, 9, 10 & 17

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township 10 N. Range 21 E.

Gila and Salt River Meridian.

Chains ^{1° 10' W.} North, between Sections 8 and 9.
Variation 13° 57' East.

Over rolling land.

40.00 Set a *Sand* stone 10 x 14 x 10 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 10 x 10 x 8 ins. 10 ins.
in the ground for Cor. to Secs. 4. 5. 8 & 9 marked
with 5 notches on *S.* and 4 notches on *E.* edges,
dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base alongside.

*Land rolling.*Soil 3rd rateVegetation grass & sage.

Township 10 N. Range 21 E.
Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.

Ascend gradually.

10.70 Cross Road, bears, N. 45° W. & S. 45° E.

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

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

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

34.9 & 10 from which corner, I run

$89^{\circ} 46'$ W. on a true line between sections 4 & 9

Variation $13^{\circ} 57'$ East

89.92 Set a sand stone $17 \times 16 \times 4$ 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.

185 The corner to sections 4, 5, 8 & 9

Land rolling.

Soil 3^{rd} rate

Vegetation grass & sage.

Township: 10 N Range: 21 E

Gila and Salt River Meridian.

Chains

^{110° W. True}
North, on a random line between Sections 4 and 5.

Variation 13° 57' East.

Over rolling land.

35.60 Cross Road, bears, N. 70° W. & S. 70° E.

40.00 Set a Sand stone 15 x 6 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base alongside.

80.10 Intersect the 41st Standard Parallel North at a point 0.11 chs. East of the Standard Cor. to on S.P. of Secs. 32 and T. 17 N. R. 21 E.

Which is a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, with pits 18 x 18 x 12 ins. S. & W. of Cor. 5 1/2 ft. dist. In E. pit a stake 2 ft. long, 2 in. square 12 ins. in the ground, marked 1/4 S. on N. face.

Set a Sand stone 12 x 10 x 6 ins. 8 ins. in the ground for Closing Cor. to Secs. 4 and 5 marked C. C. with 1 notch on E. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base alongside.

Land rolling.
Soil 3rd
Vegetation grass & sage.
W. H. Mason, Comptroller, Nov. 3, 1893

Township 10 N Range 21 E

Gila and Salt River Meridian.

~~From the corner to sections, 5, 6, 31 & 32, previously set by me.~~Chains ^{10.10 W.} ~~From~~ North, between Sections 31 and 32.Variation 13° 51' East.

Over rolling land.

40.00

Set a Sand stone $30 \times 10 \times 3$ ins., 22 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.

53.00

Leave Timber, beave: S. E. & N. W.

76.00

Cross low Sag and ascend.

80.00

Set a Sand stone $36 \times 24 \times 3$ ins. 27 ins. in the ground for Cor. to Secs. 29, 30, 31 & 32 marked with 1 notch on S. and 5 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 3rd rateTimber of JuniperVegetation. Grass & Sage.

Township 10 N. Range 21 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 57' East.

Ascend gradually.

25.00 Top of Spur, bears N 30° E. & S 30° W. and descend.

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

55.00 Cross low Sag and ascend.

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

29, 30, 31 & 32 from which corner, I run

N. 89° 52' W. on a true line between sections 29 & 32

Variation 13° 57' East

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

79.89 The corner to sections 29, 30, 31 & 32

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Henry Meyrick May 4. 1883

47 Township 16 N Range 21 E
 Gila and Salt River Meridian.

Chains West, on a random line between Sections 30 and 31.
 Variation 13° 57' East.

Over rolling land.

15.00 Cross low Sag and ascend.

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

63.80 Intersect W. B. of Tp. 24 lks. N. of cor. to secs.
 previously set by me.
25.30.31 & 36 from which corner, I run

N. 89° 47' E. on a true line, between sections 30 & 31
 Variation 13° 57' East.

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

63.80 The corner to sections 29. 30. 31 & 32

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

G. W. Carson Compassman May 4. 1883

Township 10 N Range 21 E

Gila and Salt River Meridian.

Chains North, ^{1° 10' W.} between Sections 29 and 30.Variation 13° 57' East.

Ascend.

40.00 Set a Sand stone 12 x 12 x 8 ins., 8 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on 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.

50.00 Top of Spur, bears N. 70° E. & S. of land descend.

60.00 Cross low Sag and ascend.

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

Land rolling.

Soil 3rd rateVegetation grass & sage

Township 10 N. Range 21 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.*Descend. gradually.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor. and ascend

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

80.22 Intersect N. & S. line, 9 lks. N. of cor. to secs.

20.21 28 & 29 from which corner, I run

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

Variation $13^{\circ} 57'$ East

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

80.22 The corner to sections 19. 20. 29 & 30

Land rolling.

Soil ^{3rd} rate

Vegetation grass & sage.

Henry Meyrick May 4. 1883

Township 16 N. Range 21 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 57' East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.67.33 Intersect *W.B. of Tp. 30* lks. *S.* of cor. to secs.
previously set by me.
19. 24. 25 & 30 from which corner, I run*89° 43' E. on a true line, between sections 19 & 30*Variation 13° 57' East.11.33 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 *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.61.33 The corner to sections *19. 20. 29 & 30*Land *rolling.*Soil *3rd* rateVegetation *grass & sage.**G. W. Peterson Comptroller May 4, 1883*

Township

16 N

Range

21 E

Gila and Salt River Meridian.

Chains

1st 10th.
North, between Sections 19 and 20.

Variation 13° 57' East.

Ascend over rolling Prairie.

8.00 Top of Spur, bears N 60° E. S. 60° W. and descend.

21.00 Cross low Sag and ascend.

40.00 Set a Sand stone 13 x 11 x 7 ins., 8 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face,
dug pits 18 x 18 x 12 ins., N. and S. of stone 5 $\frac{1}{2}$
ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$
ft. base alongside.80.00 Set a Sand stone 15 x 10 x 8 ins. 10 ins.
in the ground for Cor. to Secs. 17, 18, 19 & 20 marked
with 3 notches on S. and 5 notches on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township, 10 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 57' East.*Ascend. gradually.*10.00 Top of Ridge, bears N. & S. and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.07 Intersect N. & S. line, 21 lks. S. of cor. to secs.10.17.20 from which corner, I run189.51' W. on a true line between sections 17 & 20Variation 13° 57' East

110.03 Set a Sand stone 15 x 10 x 6 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
ft. dist., and raised a mound of earth 1 ft. high, 3
ft. base longside.

80.07 The corner to sections 17. 18. 19 & 20Land mountainous.Soil 3rd rateVegetation grass & sage.Henry Meyrick May 4. 1883

Township

16 N.

Range

21 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 57'

East.

*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.59.58 Intersect W. B. of Tp. 9 lks. S. of cor. to secs.
previously set by me.
13. 18. 19 & 24 from which corner, I run

S 89° 55' E. on a true line, between sections 18 & 19

Variation 13° 57' East.

19.58 Set a sand stone 15 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.

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

Land rolling.

Soil 3rd rate

Vegetation grass & sage,

G. W. Pearson Compass man. May 4. 1883

Township 16 N Range 21 E

Gila and Salt River Meridian.

Chains

1° 10' W.
North, between Sections 17 and 18.

Variation 13° 57' East

Over rolling land.

40.00 Set a Sand stone 16 x 6 x 4 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.

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

80.00 Set a Flint stone 16 x 16 x 6 ins. 10 ins. in the ground for Cor. to Secs. 7, 8, 17 & 18 marked with 4 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

Township

16 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.90 Intersect N. & S. line, 41 lks. S. of cor. to secs.

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

S $89^{\circ} 42'$ W. on a true line between sections 8 & 17Variation $13^{\circ} 57'$ East

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

79.90 The corner to sections 7. 8. 17 & 18

*Land rolling.*Soil 3^m rate

Vegetation grass & sage.

Henry Meyrick May 4. 1883

Township 10 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 57' East.

Over rolling land.

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

56.98 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° 57' E on a true line, between sections 7 & 18

Variation 13° 57' East.

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

56.98 The corner to sections 7. 8. 17 & 18

Land rolling.

Soil 3rd rate

Vegetation grass & sage.

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

G. W. Dawson Compassman May 4. 1853

Township, 10 N Range 21 E

Gila and Salt River Meridian.

Chains

North, ^{1° 10' W.} between Sections 7 and 8.Variation 13° 57' East.Ascend gradually.

40.00

Set a Sand stone 18 x 10 x 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on 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.

54.00

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

80.00

Set a Sand stone 18 x 15 x 3 ins. 12 ins. in the ground for Cor. to Secs. 5, 6, 7 & 8 marked with 5 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base. alongside.

Land rolling.

Soil 3rd rateVegetation grasses & sage,

Township 10 N Range 21 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.

Descend.

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

80.19 Intersect N. & S. line. 174 lks. S. of cor. to secs.

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

S. 89. 54' W. on a true line between sections 5 & 8

Variation $13^{\circ} 57'$ East

40.09

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

80.19

The corner to sections 5. 6. 7 & 8

Land rolling.

Soil 3rd rate

Vegetation Grass & sage.

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

Henry Meyrick May. 4. 1883

Township

16 N

Range

21 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.*Ascend. gradually.*32.00 Top of Spur, bears *N. & S.* and descend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.55.13 Intersect *W. B. of Tp. 23* *1/2* m. *N.* of cor. to secs.
*previously set by me.**1/2* m. *7* & *12* from which corner, I run*N. 89^{\circ} 46' E.* on a true line, between sections *6* & *7*
Variation $13^{\circ} 57'$ East.15.13 Set a *Sand* stone $15 \times 13 \times 9$ ins., 10 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on *N.* face,
dug pits $18 \times 18 \times 12$ ins., *E.* and *W.* of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base, alongside.55.13 The corner to sections *5. 6. 7 & 8**Land rolling.**Soil 3rd rate**Vegetation grass & sage.*

Township: 16 N. Range: 21 E.

Gila and Salt River Meridian.

Chains North, on a ^{10' W. true.} ~~random~~ line between Sections 5 and 6.

Variation 13° 57' East.

Descend gradually.

116.00 Set a Sand stone 15 x 10 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base alongside.

79.62 Intersect the 4th Standard Parallel North at a point 0.05 chs. East of the Standard Cor. to on S. P. of Secs. 31 and T. 77 N. R. 21 E. which is

a mound of earth 1 1/2 ft. high, 3 1/2 ft. base with pits 18 x 18 x 12 ins. 5 1/2 ft. dist. S. & W. of Cor. In E. pit a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked 1/4 S. on N. face.

Set a Sand stone 12 x 10 x 8 ins. 8 ins. in the ground for Closing Cor. to Secs. 5 and 6 marked C. C. with 5 notches on E. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base alongside.

Vegetation grass & sage
Soil 3rd
Land rolling.
W. March Comp. 1882 May 4 1882

rate

GENERAL DESCRIPTION.

The land in this Tp. is
generally rolling.

Soil 3rd rate.

The vegetation consists of grass.
There is some scattering timber
of juniper in the Tp.

For final notes see
Book ~~247~~ 19.

U. S. Surveyor General's Office,

Tucson, Arizona, Feby, 5, 1884

The foregoing Field Notes of the Survey of the

Subdivision Line of
Township 15 North
Range 17 East

Of the Gila and Salt River Base and Meridian, Arizona, executed by

Deputy Surveyor, *Henry Meyrick Jr.* under his contract of the *28th*day of *July*, 1884, having been

critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe

are hereby approved

Royal Johnson
Surveyor General.