

Book No. 10

Unplatted & Indexed

Deputy Surveyor.

T. 23 N.

R. 20 E.

Gila and Salt River Meridian.

BOOK 470

FIELD NOTES

OF

No. 470

THE SUBDIVISION LINES OF

Township 23 N.

Range 20 E.

Gila and Salt River Meridian.

470

BY

Deputy Surveyor.

Under his Contract of Aug 27 1882

Survey Commenced Feb 26 1883

Survey Completed Feb 28 1888

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No. 470

BOOK 470

1

A. P. Johnson Deputy Surveyor

T. *23 N* **R.** *20 E*

Gila and Salt River Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *23 N* Range *20 E*

Gila and Salt River Meridian.

BY

A. P. Johnson Deputy Surveyor.

Under his Contract of *Aug 27 1882*

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Township 23 North Range 20 East

Gila and Salt River Meridian.

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Township.....Range.....

.....Meridian.

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Township

Range

Meridian.

For Preliminary Notes
and description of
instrument used per
Book No. 1.

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

by Otto Conrad of Cassel

Germany in 1881

Township 23 N Range 21 E
 Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation 13° 29' East.

Ascend.

30.12 Ember Mica beans NE e SW.

40.00 Set a Basalt stone 18 x 10 x 4 ins., 12
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.
face, and raised a mound of stone. alongside Pits
impracticable.

54.25 Descend. from Mica

80.00 Set a Sand stone 16 x 4 x 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 and
raised a mound of stone. alongside Pits impracticable.

Land mountainous.

Soil 3rd rateVegetation GrassTimber of Juniper

Township

23 N

Range

21 E

Gila and Salt River

Meridian.

Chains

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

Variation 13° 30' East.

Descend.

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

70.00 Cross Wash, 29 lks. wide, Course S and ascend.

72.80 Intersect C.B. of Tp. 12 lks. S of cor. to secs. previously set by me.

19. 24. 25 30 from which corner, I run

5. 59° 57' W. on a true line, between sections 24 & 25
Variation 14° 55' East.

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

72.80 The corner to sections 22, 24, 25, 20

Land Broken mountainous.

Soil 4th rate

Vegetation Grass

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation 13° 30' East.

Descend.

30.00

Cross Wash, 20 lks. wide, Course S 8° E and ascend.

46.50

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

74.80

Cross Wash, 35 lks. wide, Course S 34° E

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 13, 14, 23, 24 marked T. 23 N. S. 13, on N. E., R 20 E. S. 24 on S. E., S. 23 on S. W. and S. 14 on N. W. face, 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 around post.

Land rolling.

Soil 3rd rate

Vegetation Grass

Township 23 N Range 20 E
 Gila and Salt River Meridian.

Chains East, on a random line between Sections 13 and 24.
 Variation 13° 30' East.

Ascend.

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

80.00 Intersect ⁶ C. B. of Tp. 16 lks. N of cor. to secs.
 previously set by me.

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

N 89° 54' W on a true line, between sections 13 & 24
 Variation 14° 50' East.

40.00 Set a Basalt stone 12 x 10 x 6 ins., 8
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
 face, and raised a mound of stone. alongside Pits
 impracticable.

50.00 The corner to sections 13, 14, 23, 24.

Land rolling.

Soil 9th rate

Vegetation Grass.

Township 23 N. Range 20 E.
 Gila and Salt River Meridian.

Chains North, between Sections 13 and 14.

Variation 13° 30' East.

Ascend.

20.00

Set a Basalt stone $4 \times 8 \times 4$ ins., 10 ins. in the ground, for $\frac{1}{4}$ 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 Basalt stone $18 \times 10 \times 12$ ins. 12 ins. in the ground for Cor. to Secs. 11, 12, 13, 14 marked with 4 notches on S. and 1 notch on E. edges and raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation Grass

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 12 and 13.
 Variation 13° 30' East.

Ascend.

. 9.00 Ascend. *more abruptly*

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

79.76 Intersect E. B. of Tp. 20 Wks. S. of cor. to secs.
 previously set by me.
 from which corner, I run

7. 12. 13. 18 W on a true line, between sections 12 & 13

Variation 14° 53' East.

39.88 Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. E and W of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In E pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N face.

79.70 The corner to sections 11, 12, 13, 14

Land rolling. mountainous.

Soil 3rd rate

Vegetation Grass

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 11 and 12.

Variation 13° 30' East.

Ascend.

12.70 Top of of point of little bear S. W. and descend.

36.80 Cross Wash, 30 lks. wide, Course S. 44° W. and ascend.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.
12 ins. in the ground, for Cor. to Secs. 1. 2. 11. 12
marked T. 23 N. S. 1, on N. E., R. 20 E., S. 12
on S. E., S. 11 on S. W. and S. 2 on N. W. face,
with 5 notches on S. and 1 notch on E. edges;
dug pits, 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.,
and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
around post.

Land mountainous.

Soil 3? rate

Vegetation Grass.

Township

23 N

Range

20 E

No. 470.

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

Cross Wash, 30 lks. wide, Course S 41° W and ascend.

40.00 Set temporary 1/4 sec. cor.

Intersect E. B. of Tp. 10 lks. S of cor. to secs. previously set by me.

1.6. 7 12 from which corner, I run

149° 02' W on a true line, between sections 10 12

Variation 14° 53' East.

39.96 Deposited a marked stone, 12 ins. in the ground, for 1/4 sec. cor., dug pits 18x18x12 ins. E. and W. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked 1/4 s. on N face.

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

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

Township

23

Range

20 E

Gila and Salt River

Meridian.

Chains

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

Variation

13° 29'

East.

Ascend.

26.00

Ascend abruptly and enter into table land

40.00

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

80.40

*Intersect N.B. of Tp. 16 lks. W. of cor. to secs. previously set by me, 1.2. 30. 36 from which corner, I run**S. 7. W. on a true line, between sections 12. 2**Variation 13° 30' East.*

100.40

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

100.40

*The corner to sections 1. 2. 11. 12**Land rolling.**Soil 4" rate**Vegetation Grass**I carefully examined the adjustments of my solar compass to-day. part of the altitude and reversing apparatus, and found them correct.**A. C. Johnson. Feb. 26th 1863*

Township 23 N Range 20 E

Gila and Salt River 1st Meridian.

From the corner to sections, 2, 3, 34, 35, ^{37, 38} previously set by me.

Chains Iron North, between Sections 34 and 35.

Variation 15° 33' East.

Over rolling land.

11.00 Ascend gradually.

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

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

50.00 Top of Ridge, bears N. 38° E. 833 W and descend.

80.00 Set a Basalt stone 18 x 14 x 6 ins. 12 ins. in the ground for Cor. to Secs. 26, 27, 34, 35 marked with 1 notch on S. and 2 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land mountainous.

Soil Lo 5" rate

Vegetation Grass

Township 23 N. Range 20 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

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

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

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

S. 89° 52' W. on a true line between sections 26 & 35

Variation 13° 29' East.

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

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

N. face, dug pits, 18 x 18 x 12 ins., E. and W. of

post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.

high, $3\frac{1}{2}$ ft. base around post.

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

Land mountainous.

Soil S.? rate

Vegetation Grass

Timber of Juniper

Township

Range

Gila and Salt River

Meridian.

Chains

North, between Sections 26 and 27.

Variation $10^{\circ} 30'$ East.

Descend.

9.12

Cross Wash, 12 lks. wide, Course S. W. and ascend.

40.00

Set a Basalt-stone $20 \times 10 \times 4$ ins., 16 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

70.70

Leave mesa base N. 71' W. S. 71' E and descend.

80.00

Set a Basalt-stone $20 \times 10 \times 10$ ins. 16 ins. in the ground for Cor. to Secs. 22 23 26 27 marked with 2 notches on S. and 2 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 3^{rd} rate

Vegetation Grass.

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15

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

40.00 Set temporary $\frac{1}{4}$ sec. cor.
 72.50 Cross Wash, 10 lks. wide, Course N. 10° E and descend.
 70.93 Intersect N. & S. line, 28 lks. S of cor. to secs.

23. 24. 25. 26 from which corner, I run
S. 89° 48' W. on a true line between sections 23 & 26
 Variation 13° 30' East.

3296 Set a Basalt stone 18 x 18 x 10 ins., 12
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
 face, dug pits, 18 x 18 x 12 ins., E. and W. of stone
5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high,
3 $\frac{1}{2}$ ft. base. alongside

70.03 The corner to sections 23. 25. 26. 27

Land mountainous.

Soil 3rd rate

Vegetation Grass

Timber of Juniper

Township 22 N

Range 20 E

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation $16^{\circ} 40'$ East.

Descend.

40.00

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

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 14. 15. 22. 23 marked T₂₃ N. S. 14, on N. E., R. 20 E., S. 23 on S. E., S. 22 on S. W. and S. 15 on N. W. face, 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 around post.

Land rolling.

Soil 3° rate

Vegetation Grass.

Township *24 A*Range *20 E*

Gila and Salt River

Meridian.

Chains

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

Variation *13° 30'* East.*Descend.**40.00* Set temporary $\frac{1}{4}$ sec. cor.*77.40* Cross Wash, *30* lks. wide, Course *S 20° E* and ascend.*79.87* Intersect N. & S. line, - *16* lks. N. of cor. to secs.*13, 14, 23, 24* from which corner, I run*N. 89° 03' W.* on a true line between sections *14 & 23*Variation *13° 30'* East.*39.93* Set a post 3 ft. long, 3 ins. diam. with marked stone.12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on

N. face, dug pits, 18 x 18 x 12 ins., E. and W. of

post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.high, $3\frac{1}{2}$ ft. base around post.*79.87* The corner to sections *14, 19, 22, 23*

Land rolling.

Soil *3rd* rateVegetation *Grass*

Township 22 N. Range 20 E.
 Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation 13° 30' East.

Over rolling land.

40.00

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits $18 \times 18 \times 12$ ins. *N.* and *S.* of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In *N.* pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on *N.* face.

80.00

Deposited a marked stone, 12 ins. in the ground for cor. to secs. 10. 11. 14. 15, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked *T*: $\frac{2}{3}$ *S*: $\frac{11}{1}$ \wedge on *S*: *E*: *S*: $\frac{15}{}$ on *S*: *W*: and *S*: $\frac{10}{}$ on *N*, *W*, faces, with 4 notches on *S*, and 2 notches on *E*, edges,

Land rolling.

Soil ? rate

Vegetation Grass,

Township

23

Range

21

Gila and Salt River

Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.*Descend.*

15.15

Cross Wash, 36 lks. wide, Course $S. 60^{\circ}$ (and ascend.

40.00

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

64.15

Cross Wash, 46 lks. wide, Course $S.$ and ascend.

80.13

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

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

 $N. 89^{\circ} 46'$ W. on a true line between sections 11 & 14Variation $13^{\circ} 30'$ East.

46.66

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

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. onN. face, dug pits, 18 x 18 x 12 ins., E. and W. of post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post.

57.13

The corner to sections 10. 11. 14. 13

*Land rolling.*Soil 4^{th} rateVegetation *Grass.*

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation 13° 30' East.

Ascend.

40.00

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

21.00

Cross Wash, 40 lks. wide, Course S. 40° E.

80.00

Set a Basalt stone 16 x 12 x 8 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 and raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation Grass.

Township

23 N

Range

20

E

Gila and Salt River

Meridian.

Chains

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

Variation $18^{\circ} 30'$ East.

Ascend.

40.00 Set temporary $\frac{1}{2}$ sec. cor.50.00 Top of Spur, bears $N. 40^{\circ} W.$ & $S. 40^{\circ} E.$ and descend.

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

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

 $N. 89^{\circ} 51' W.$ on a true line between sections 2 & 11Variation $18^{\circ} 30'$ East.

40.21 Set a Basalt-stone $16 \times 9 \times 8$ ins., 10
 ins. 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.

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

Land mountainous.

Soil 3rd rate

Vegetation Grass

BOOK 470

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 40' East.

Ascend.

40.00

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

30.15

Intersect N.B. of Tp. 57 lks. W of cor. to secs. previously set by me.
S. 2. 34. 35 from which corner, I run

S. 24 W on a true line, between sections 2 & 3

Variation 13° 30' East.

40.15

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. N and S of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on W face.

30.15

The corner to sections 2, 3, 10, 11

Land rolling.

Soil 3rd rate

Vegetation Grass

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

G. O. Cannon, Comptroller, Feb. 20th 1853

Township 23 N

Range 20 E

Gila and Salt River 1st Meridian.

From the corner to sections, 32, 33, 34 ^{on S. by 1st} previously set by me.

Chains Iron North, between Sections 33 and 34.

Variation 13° 38' East.

Descend.

10.12 10.00 Cross Wash, 20 lks. wide, Course N. W. ascend

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits $18 \times 18 \times 12$ ins. N and S of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on W. face.

10.30 10.00 Cross Wash, 30 lks. wide, Course N. W. and ascend.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 27, 28, 33, 34, 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 23 N. S: 27 ^{N. E.} on S. E.: NR 20 E ^{S. S. E.} on SE W. 333 on S W and S: 25 on N, W, faces, with 1 notch on S, and 3 notches on E, edges.

Land rolling.

Soil 3rd rate

Vegetation Grass

Timber of Juniper

Township

28 N.

Range

20 E.

Gila and Salt River

Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.*Ascend.*

40.00

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

80.00

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

26, 27, 34, 35 from which corner, I run

N. $89^{\circ} 00'$ W. on a true line between sections27 & 34
Variation $13^{\circ} 30'$ East.

40.02

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

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. onN. face, dug pits, 18 x 18 x 12 ins., E. and W. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around post.

80.02

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

Land rolling.

Soil 3rd rate

Vegetation Grass.

BOOK 470

25

Township

23 N

Range

20 E

Gila and Salt River

Meridian.

Chains

North, between Sections 27 and 28.

Variation $13^{\circ} 30'$ East.

Descend.

20.00

Cross Wash, 15 lks. wide, Course N. 75° W. and ascend.

42.00

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

22.00

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

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 21, 22, 27, 28 marked T. 23 N. S. 22, on N. E., R. 20 E., S. 27 on S. E., S. 28 on S. W. and S. 21 on N. W. face, with 2 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 around post.
Land mountainous.

Soil 4th rate

Vegetation Grass.

Timber of Juniper

Township 23 N. Range 20 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 22 and 27.
 Variation 13° 30' East.

Ascend.

37.30 Top of Spur, bears N. 2 S. and descend.

40.00 Set temporary 1/4 sec. cor.

79.81 Intersect N. & S. line, 38 lks. N. of cor. to secs.
 22. 23. 26. 27 from which corner, I run
 N. 89° 44' W. on a true line between sections 22 & 27
 Variation 13° 30' East.

39.91 Set a post 3 ft. long, 3 ins. diam. with marked stone.
 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on
 N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
 post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.
 high, 3 1/2 ft. base around post.

79.81 The corner to sections 21. 22. 27. 28

Land mountainous.

Soil 3:0 rate

Vegetation Grass.

Timber of Juniper.

Township

28

N

Range

20

E

Gila and Salt River

Meridian.

Chains

North, between Sections 21 and 22.

Variation 13° 30' East.

Descend.

25.10

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

40.00

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on W. face.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 16. 16. 21. 22 marked T. 23 N. S. 16 on N. E., R. 20 E., S. 22 on S. E., S. 21 on S. W. and S. 16 on N. W. face, with 3 notches on S. and 3 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 3rd rate

Vegetation Grass.

Township 23 N Range 30 E
 Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.

Descend.

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

28.15 Cross Wash, 40 lks. wide, Course S. and ascend.

60.00 Low divide bears N. 20° W. & S. 30° E. and descend.

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

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

S. $89^{\circ} 55'$ W. on a true line between sections 15 & 22

Variation $13^{\circ} 30'$ East.

40.13 Deposited a marked stone, 12 ins. in the ground, for

$\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. E and W of

post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft.

high, $3\frac{1}{2}$ ft. base over it. In E pit drove a stake 2

ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$

s. on N face.

30.20 The corner to sections 15. 16. 21. 22.

Land mountainous.

Soil 3rd rate

Vegetation Grass

Timber of Juniper

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 15 and 16.

Variation 13° 30' East.

Ascend.

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

67.50 Cross Wash, 40 lks. wide, Course S. E. and ascend.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 9. 10. 16. 16, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins; in the ground, marked T: 23 N S: 10 ^{on N. E. R. 26 E. S. 16} on S: E: S: 16 on S: W: and S: 9 on N, W, faces, with 4 notches on S, and 8 notch on E, edges,

Land mountainous

Soil 2nd rate.

Timber of Juniper

Vegetation Grass

Township 28 N. Range 20 E.

Gila and Salt River Meridian.

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

Variation $13^{\circ} 30'$ East.

Ascend.

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

42.00 Top of Ridge, bears *N. 2 S.* and descend.

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

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

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

Variation $13^{\circ} 30'$ East.

49.93 Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., dug pits 18x18x12 ins. *E.* and *W.* of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In *E.* pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{2}$ s. on *N.* face.

79.80 The corner to sections *9. 10. 15. 16*

Land mountainous.

Soil *3^{\circ}* rate

Vegetation *Grass.*

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation 13° 30' East.*Ascend.*

45.00 Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on W. face.

50.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 3. 4. 9. 10, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 23 N. S: 3 ^{on N. E. R. 20 E. S. 10} on S: E: S: 9 on S: W: and S: 4 on N, W, faces, with 5 notches on S, and 3 notches on E, edges,

Land rolling.

Soil 3rd rateVegetation Grass & Sage.

Township

23 N.

Range

20 E.

Gila and Salt River

Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.*Ascend.*

24.00

Top of Spur, bears $N. 20^{\circ} E.$ $S. 20^{\circ} W.$ and descend.

40.00

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

76.60

Cross Wash, 30 lks. wide, Course $S. 10^{\circ} E.$ and ascend.

79.63

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

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

 $N. 89^{\circ} 42'$ W. on a true line between sections 3 & 10Variation $10^{\circ} 30'$ East.

89.52

Set a Lava stone $20 \times 10 \times 6$ ins., 16 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone. alongside Pits impracticable.

79.63

The corner to sections 3. 4. 9. 10

Land mountainous

Soil 3^{rd} rate.

Timber of

Vegetation

Juniper
Grass & Sage

Township 23 N. Range 20 E.

Gila and Salt River Meridian.

Chains

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

Variation $18^{\circ} 30'$ East.

Ascend gradually.

20.00 Ascend more abruptly

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

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

3.4. 33. 34. from which corner, I run

S. 9. W. on a true line, between sections 3 & 4

Variation $18^{\circ} 30'$ East.

80.87 Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., dug pits $18 \times 18 \times 12$ ins. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{2}$ s. on N. face.

79.87 The corner to sections 3.4. 9. 10

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

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

A. P. Johnson Feb. 24th 1883

Township 23 N. Range 20 E.

Gila and Salt River Meridian.

in S. B. of D.
From the corner to sections, 4, 5, 32 & 33, ~~previously~~ set by me.

Chains *Iron* North, between Sections 32 and 33.

Variation 13° 33' East.

Descend.

10.00

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. N and S of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on W. face.

60.00

Cross Wash, 10 lks. wide, Course N. W.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 28, 29, 32, 33 marked T. 23 N. S. 28, on N. E., R. 20 E., S. 23 on S. E., S. 32 on S. W. and S. 29 on N. W. face, 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 around post.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 33 N. Range 20 E.

Gila and Salt River

Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

40.00

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

79.92

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

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

S. 89° 54' W. on a true line between sections 28 & 33

Variation 13° 30' East.

39.96

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. E. and W. of post 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base over it. In E pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N. face.

79.92

The corner to sections 28. 29. 32. 33

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

Township

23 N

Range

20 E

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation

13° 30'

East.

Descend.

Cross Wash, 12 lks. wide, Course W.

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. N. and S. of post 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{2}$ s. on W. face.

Cross Wash, 10 lks. wide, Course S. and ascend.

Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 20, 21, 28, 29 marked T. 23 N. S. 21, on N. E., R. 20 E., S. 28 on S. E., S. 29 on S. W. and S. 20 on N. W. face, with 2 notches on S. and 4 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 3^d rate

Vegetation Grass & Sage.

35.15

40.00

57.98

80.00

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Township

23 N.

Range

20 E.

Gila and Salt River

Meridian.

Chains

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

Variation 13° 30' East.

Descend.

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

51.10 Cross Wash, 20 lks. wide, Course S. 50° W. and ascend.

80.37 Intersect N. & S. line, 14 lks. S. of cor. to secs.

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

S. 89° 54' W. on a true line between sections 21 & 28

Variation 18° 30' East.

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

12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on

N. face, dug pits, 18 x 18 x 12 ins., E. and W. of

post 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft.

high, 3 $\frac{1}{2}$ ft. base around post.

80.27 The corner to sections 20. 21. 28. 29

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

Township

Range

Gila and Salt River

Meridian.

Chains

North, between Sections 20 and 21.

Variation $18^{\circ} 30'$ East.

Ascend.

40.00

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits $18 \times 18 \times 12$ ins. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N face.

57.26

Top of Butte bears N.W. & S.E.

75.96

Descend. from ..

80.00

Set a *Basalt* stone $27 \times 19 \times 8$ ins. 21 ins. in the ground for Cor. to Secs. 16, 17, 20, 21 marked with 3 notches on S. and 4 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 23 N

Range 20 E

Gila and Salt River

Meridian.

Chains

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

Variation 13° 20' East.

Descend.

40.00

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

80.09

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

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

S. 29° 49' W. on a true line between sections 16 & 21

Variation 13° 20' East.

40.04

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

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

80.09

The corner to sections 16. 17. 20. 21

*Land rolling.*Soil 3rd rate

Vegetation Grass & Sage.

Township

28 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation $10^{\circ} 21'$ East.

Descend.

40.00

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

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 8. 9. 16. 17 marked T. 23 N. S. 9, on N. E., R. 20 E., S. 16 on S. E., S. 17 on S. W. and S. 8 on N. W. face, with 4 notches on S. and 4 notches on E. edges; dug pits, $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

Timber of Juniper

Township

23 N

Range

20 E

Gila and Salt River

Meridian.

Chains	East, on a random line between Sections 9 and 16.
	Variation $13^{\circ} 25'$ East.
	Over rolling land.
40.00	Set temporary $\frac{1}{4}$ sec. cor.
80.14	Intersect N. & S. line, 16 lks. S. of cor. to secs. 9. 10. 15. 16 from which corner, I run S. $89^{\circ} 53'$ W. on a true line between sections 9 & 16 Variation $16^{\circ} 30'$ East.
40.07	Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post.
80.14	The corner to sections 8. 9. 10. 17 Land rolling. Soil 3° rate Vegetation Grass & Sage.

Township

28

Range

20

Gila and Salt River

Meridian.

Chains

North, between Sections 8 and 9.

Variation

13° 25'

East.

Descend.

40.00 Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., dug pits 18x18x12 ins. N and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{2}$ s. on W face.

50.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 4, 5, 8, 9, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 28 N. S: 4 ^{on N. E. R. 20 E. S. 9} on S: E: S: 8 on S: W: and S: 5 on N, W, faces, with 5 notches on S, and 4 notches on E, edges.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

Township 22 N. Range 20 E.

Gila and Salt River Meridian.

Chains

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

Variation $18^{\circ} 30'$ East.

Over rolling land.

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

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

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

S. $89^{\circ} 54'$ W. on a true line between sections 4 & 9
Variation $13^{\circ} 30'$ East.

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

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

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

Land rolling.

Soil g^o rate

Vegetation Grass & Sage.

Township 22 N Range 22 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.

Ascend.

40.00

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

79.82

Intersect *N. B. of Tp.* ¹⁰ lks. *E* of cor. to secs. previously set by me.

H. 6. 82. 83 from which corner, I run

S. 4. 8 on a true line, between sections *H. 6. 8-*

Variation $13^{\circ} 30'$ East.

39.82

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

79.82

The corner to sections *H. 6. 8. 9*

Land rolling.

Soil 3^{rd} 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. M. Carson Compassman, Feb. 27th 1885

Township 23 N Range 20 E

Gila and Salt River ~~of~~ Meridian.

From the corner to sections, 5, 6, 31 & 32 previously set by me.

Chains 3000 North, between Sections 31 and 32.

Variation 13° 33' East.

Over level land

9.12 Leave Butte bear S. W. & S. E. and descend.
 40.00 Set a Basalt-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. alongside

80.00 Deposited a marked stone, 12 ins. in the ground, for
 cor. to secs. 29 30 31 32, dug pits 18x18x12
 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 over it. In S. E. pit drove
 a stake 2 ins. square, 2 ft. long, 12 ins. in the ground,
 marked T:23 N S:29^{on N. E. 29 & S. 32} on S: E: S: 31 on S: W:
 and S: 30 on N, W, faces, with 1 notch on
 S and 5 notches on E, edges.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

ownship

Range

Gila and Salt River Meridian.

Chains

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

Variation 13° 28' East.

Ascend.

40.00

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

60.00

Cross Wash, 20 lks. wide, Course NW and ascend.

79.88

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

29 29. 32. 33 from which corner, I run

N. 89° 53' W. on a true line between sections 29 & 32

Variation 13° 30' East.

79.84

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. E. and W. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In E. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N. face.

79.88

The corner to sections 29, 30, 31, 32

Land rolling.

Soil 2^{nd} rate

Vegetation Grass.

A. P. Johnson, Feb. 28th 1883.

Township 23 11

Range 26 C

Gila and Salt River

Meridian.

Chains

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

Variation $13^{\circ} 28'$ East.

Descend.

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

76.90

Intersect W. B. of Tp. 24 lks. S. of cor. to secs.
previously set by me.

25. 30. 31. 36 from which corner, I run

S. $89^{\circ} 50'$ E. on a true line, between sections

30 & 31

Variation $13^{\circ} 30'$ East.

36.90

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits $18 \times 18 \times 12$ ins. E and W of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In E pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N face.

76.90

The corner to sections 29. 30. 31. 32

Land rolling.

Soil 3" rate

Vegetation Grass.

G. M. Carson. Compassman, Oct. 25th 1883

Township

29

N

Range

20

E

Gila and Salt River

Meridian.

Chains

North, between Sections 29 and 30.

Variation

13° 25'

East.

Descend.

12.00

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

40.00

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

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

W. face, dug pits, 18 x 18 x 12 ins., N. and S. of

post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.high, $3\frac{1}{2}$ ft. base around post.

55.00

Top of Butte bears NW. & S. E. and descend.

80.00

Set a Basalt-stone 20 x 19 x 10 ins. 16 ins. in

the ground for Cor. to Secs. 19. 20. 29. 30 marked

with 2 notches on S. and 4 notches on E. edges, dug pits

18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised amound of earth 2 ft. high $4\frac{1}{2}$ ft. base. alongside

Land rolling.

Soil

3rd

rate

Vegetation

Grass & Sage.

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 32' East.

Descend.

40.00

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

79.72

Intersect N. & S. line, 38 lks. N of cor. to secs. 20, 21, 28, 29 from which corner, I run

N. 89° 44' W. on a true line between sections 20 & 29
Variation 13° 30' East.

39.87

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. E and W of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In E pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N. face.

79.76

The corner to sections 19, 20, 29, 30

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

A. P. Johnson. Feb. 28th 1883

Township

Range

Gila and Salt River

Meridian.

Chains

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

Variation

10° 02'

East.

Ascend.

4.00

Top of Butte near N.W. & S.E.

10.00

Leave " and descend.

40.00

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

42.00

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

76.79

Intersect W.B. of Tp. 12 lks. S. of cor. to secs. previously set by me.

19. 24. 28. 30 from which corner, I run

S. 89° 50' E on a true line, between sections 19 & 30

Variation

10° 30' East.

36.79

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. E. and W. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In 'E' pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N. face.

76.79

The corner to sections 19. 20. 29. 30

Land mountainous.

Soil 3rd rate

Vegetation Grass.

G. M. Dawson, Comptroller, Oct. 25th 1858

Township

23

Range

20

Gila and Salt River

Meridian.

Chains

North, between Sections 19 and 20.

Variation 13.° 32' East.

Over level land

1.00

Descend. from Butte

40.00

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

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

46.00

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

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone.

12 ins. in the ground, for Cor. to Secs. 17, 18, 19, 20 marked T. 23 N. S. 17, on N. E., R. 20 E., S. 20 on S. E., S. 19 on S. W, and S. 18 on N. W. face, with 3 notches on S. and 5 notches on E. edges; and raised a mound of stone 2 ft. high, $4\frac{1}{2}$ ft. base around post. Pits impracticable.

Land rolling.

Soil 3rd & 4th rate

Vegetation Grass.

ownship 23 N Range 20 E
 Gila and Salt River Meridian.

Chains East, on a random line between Sections 17 and 20.
 Variation $13^{\circ} 20'$ East.

Descend.

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

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

79.56 Intersect N. & S. line, 48 lks. *N* of cor. to secs.
 16. 17. 20. 21 from which corner, I run
N. 89. 39' W. on a true line between sections 17 & 20
 Variation $12^{\circ} 21'$ East.

39.78 Set a post 3 ft. long, 3 ins. diam. with marked stone.
 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
N. face, dug pits, 18 x 18 x 12 ins., *E.* and *W.* of
 post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
 high, $3\frac{1}{2}$ ft. base around post.

79.46 The corner to sections 17. 18. 19. 20
 Land rolling.
 Soil 3° rate
 Vegetation *Grass*
A. C. Johnson Feb. 25th 1883

Township 22 N Range 20 E
 Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 26'$ East.

Ascend.

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

76.59 Intersect *W. B. of Tp. 36* lks. *S* of cor. to secs. *previously set by me.*
 12. 18. 19. 24 \wedge from which corner, I run

$S. 89^{\circ} 46' E$ on a true line, between sections 18 & 19
 Variation $13^{\circ} 30'$ East.

36.54 Set a *Basalt-* stone $16 \times 10 \times 6$ ins., 10
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N.*
 face, dug pits, $18 \times 18 \times 12$ ins., *E.* and *W.* of stone
 $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base. alongside

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

Land rolling.

Soil 3° rate

Vegetation *Grass.*

G. M. Cannon, Comptroller. Feb. 28, 1883

Township

28

Range

20

Gila and Salt River

Meridian.

Chains

North, between Sections 17 and 18.

Variation 13° 26' East.

Ascend.

40.00

Set a Basalt stone 16 x 10 x 6 ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone. alongside Pits impracticable.

80.00

Set a Basalt stone 20 x 10 x 4 ins. 16 ins. in the ground for Cor. to Secs. 7. 8. 17. 18 marked with 4 notches on S. and 5 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 3-5 rate

Vegetation Grass

Timber of Juniper.

Township

23

N

Range

20

8

Gila and Salt River

Meridian.

Chains

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

Variation

18° 26'

East.

Descend.

36.00

Cross Wash, 10 lks. wide, Course S. and ascend.

40.00

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

48.00

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

80.02

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

8. 9. 16. 17

from which corner, I run

S. 89° 42'

W. on a true line between sections 8 & 17

Variation 13° 30' East.

40.01

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

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. onN. face, dug pits, 18 x 18 x 12 ins., E. and W. of post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post.

80.02

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

Land mountainous.

Soil - 3rd rate

Vegetation Grass & Sage.

A. P. Johnson. Feb. 28th 1883

Township 23 N Range 20 E
 Gila and Salt River Meridian.

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

Ascend. Variation 13° 30' East.

10.75 Top of Butte bears N 8.2 S and descend.

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

74.00 Cross Wash, 20 lks. wide, Course NW.

77.00 Intersect W.B. of Tp. 7 lks. S. of cor. to secs.
 previously set by me.
7. 12. 13. 15 from which corner, I run

S. 89° 07' E. on a true line, between sections 7 & 18
 Variation 13° 30' East.

37.00 Set a Basalt stone 16 x 10 x 6 ins., 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
 face, and raised a mound of stone. alongside Pits
 impracticable.

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

Land mountainous.

Soil 3rd rate

Vegetation Grass.

G. M. Carson Comptroller. Oct. 29th 1883

Township

23 N

Range

20 E

Gila and Salt River

Meridian.

Chains

North, between Sections 7 and 8.

Variation

15° 00'

East.

Ascend.

16.00

Top of Butte near E. W. and descend.

16.00

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. N and S. of post 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base over it. In N pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on W face.

18.00

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 5, 6, 7, 8, dug pits 18x18x12 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 over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 23 N. S: 5^{on N.E. R. 20 E. S. 5} on S: E: S: 7 on S: W: and S: 6 on N, W, faces, with 5 notch on S, and 6 notch on E, edges,

Land mountainous.

Soil 3rd rate

Vegetation Grasses - Sage

Township

23

N

Range

20

8

Gila and Salt River

Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.

Ascend.

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

80.32 Intersect N. & S. line, 20 lks. N. of cor. to secs.

H. 5. 8. 9 from which corner, I run

N. $89^{\circ} 51'$ W. on a true line between sections 6-2-8
Variation $13^{\circ} 30'$ East.

110.16 Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., dug pits $18 \times 18 \times 12$ ins. \odot and \odot of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In \odot pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{2}$ s. on N. face.

120.32 The corner to sections 6-6-7-8

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

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

A. P. Johnson. Feb. 28th 1883

Township 23 N Range 20 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.

Descend.

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

60.37 Cross Wash, 15 lks. wide, Course $N. 30^{\circ} W$ and ascend.

77.26 Intersect $W. B.$ of Tp. 9 lks. $N.$ of cor. to secs.
 previously set by me.

1.6.7. 12 Δ from which corner, I run
 $N. 89^{\circ} 46' E$ on a true line, between sections 6 & 7
 Variation $13^{\circ} 30'$ East.

37.26 Set a post 3 ft. long, 3 ins. diam. with marked stone.
 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
 $N.$ face, dug pits, 18 x 18 x 12 ins., $E.$ and $W.$ of
 post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
 high, $3\frac{1}{2}$ ft. base around post.

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

Land mountainous.

Soil 3° rate

Vegetation Grass & Sage.

Township

23

Range

20

Gila and Salt River

Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.

Ascend.

8.27 Descend Gradually.

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

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

74.69 Intersect N. B. of Tp. 18 lks. W of cor. to secs. previously set by me.

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

S. 8' W. on a true line, between sections 4 2 6
Variation $13^{\circ} 30'$ East.77.69 Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits $18 \times 18 \times 12$ ins. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base over it. In N pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on W. face.

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

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

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

G. M. Carson, Compassman. Oct. 28th 1883

GENERAL DESCRIPTION.

The land in this Sp. is a high gentle rolling mesa.

It is divided by a water shed running the entire length N. & S. causing the western half to decline to the base while the base declines Eastward.

It is dotted with Buttes, on the Western half a large mesa covers most of Sec. 27.

It has good grass, in all parts of the Sp. with scattering timber of Juniper in many places.

By Buttes that dot the West are some bagatti's heaps.

Except on or near Buttes the soil is about 33 rate.

See Trial Notes
 on Book 19 -

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

The foregoing Field Notes of the survey of the
Subdivisions of 23 Towns
Range 20 East

of the Gila and Salt River Base and Meridian, Arizona,
executed by A. P. Johnson,
D. S., under his contract of the 5th day of
August, 1882, having been critically ex-
amined and the necessary corrections and explanations
made, the said Field Notes and the surveys they de-
scribe, are hereby approved.

J. W. Robbins

Surveyor General.