

Book No. 13

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condensed*

*A. P. Johnson* Deputy Surveyor.

T. *22 North* R. *20 East*

Gila and Salt River Meridian.

BOOK 434

# FIELD NOTES

*No. 434*

OF

THE SUBDIVISION LINES OF

Township *22 North* Range *20 East*

Gila and Salt River Meridian.

BY

*A. P. Johnson* Deputy Surveyor.

Under his Contract of *Aug 5<sup>th</sup>* 188*2*

Survey Commenced *March 5<sup>th</sup>* 188*2*

Survey Completed *March 10<sup>th</sup>* 188*3*

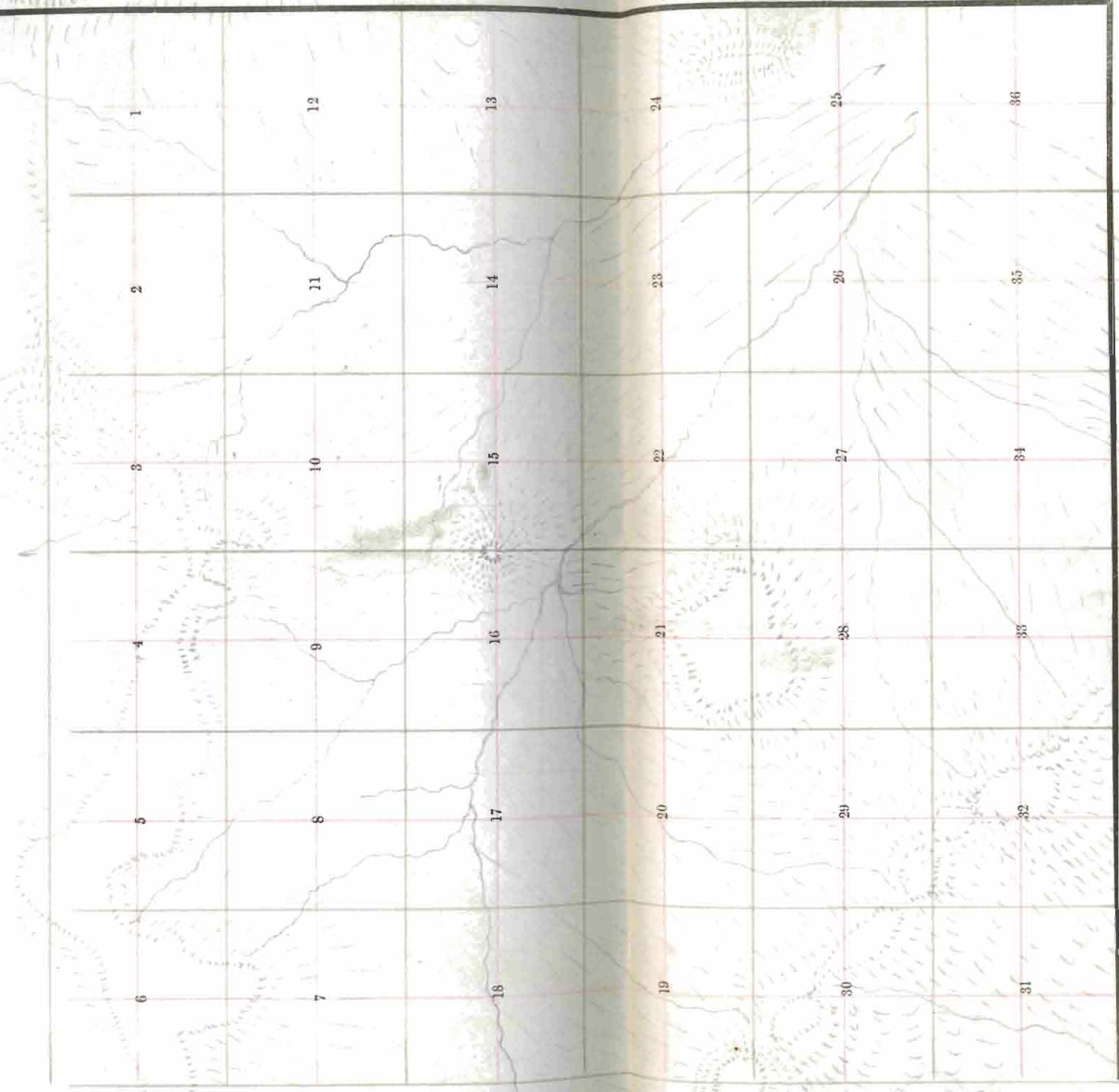
434

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Township No. 22N Range No. 21E

Meridian.

BOOK 434



TOWNSHIP PLOT

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

Office Work.

BOOK 434

No. 434

BOOK 434

*A. P. Johnson* Deputy Surveyor.

T. *22 N* R. *20 E*

Gila and Salt River Meridian.

## FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *22 N* Range *20 E*

Gila and Salt River Meridian.

BY

*A. P. Johnson* Deputy Surveyor.

Under his Contract of *Aug 5<sup>th</sup>* 188*2*

Survey Commenced *March 8<sup>th</sup>* 188*2*

Survey Completed *March 10<sup>th</sup>* 188*2*

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BOOK 434

Township 22 North, Range 20 East,  
Gila and Salt River Baseland 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	13
53		55		41		30		19		8
18	54	17	40	16	29	15	18	14	7	13
53		52		39		28		17		6
19	51	20	38	21	27	22	16	23	5	24
50		49		37		26		15		4
30	48	29	36	28	25	27	14	26	3	25
47		46		35		24		13		2
31	45	32	34	33	23	34	12	35	1	36

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Township .....

Range .....

Meridian.

For preliminary plats  
and description of  
instrument per book  
No. 1.

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

1 <sup>10</sup> Township

Range

(See previous page.)

Gila and Salt River Meridian.

Chains

*previously set by me.*  
From the corner to Sections 35, 36, 1 and 2 on the South boundary, I run,  
North, between Sections 35 and 36

Variation <sup>24° 51'</sup> East.

*Descend.*

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 N. face.

80.00

Set a Basalt stone 16 x 8 x 6 ins. 10 ins. in the ground for Cor. to Secs. 25, 26, 35, 36 marked with 1 notch on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass

Township 22 N Range 22 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 25 and 36.  
 Variation 15° 30' East.

Descend.

38.00 Enter Valley, bears S. 75° W. 2 S. 75° E.

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

79.80 Intersect E. B. of Tp. 24 lks. S. of cor. to secs.  
 previously set by me  
25, 26, 31, 36 from which corner, I run

189° 57' W on a true line, between sections 25 & 36  
 Variation 14° 51' East.

39.93 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.

79.86 The corner to sections 25, 26, 31, 36

Land level. } rolling.  
 Soil 37° } rate  
 Vegetation Grass.



Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 25 and 26.

Variation 13° 30' East.

Descend.

35.00 Cross Wash, 36 lks. wide, Course SE 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 N face.

76.00 Top of Spur, bears S. 50° E. N. 90' and descend.

80.00 Set a Basalt stone 10 x 9 x 6 ins. 10 ins. in the ground for Cor. to Secs. 23, 24, 25, 26 marked with 2 notch 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 mountainous.

Soil ? rate

Vegetation Grass

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 24 and 25.  
Variation  $13^{\circ} 30'$  East.

Over level land

40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.46.09 Cross Wash, 20 lks. wide, Course  $\downarrow$  and ascend.66.00 Top of <sup>low</sup> Butte, N. E. and descend.72.00 Enter Valley,  $\downarrow$  descend gradually.80.11 Intersect E. B. of Tp. 28 lks. S. of cor. to secs.  
19. 24. 25. 30  $\swarrow$  previously set by me.  
from which corner, I run89.00  $\downarrow$  on a true line, between sections 24 & 25Variation  $14^{\circ} 51'$  East.89.00 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., 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.

80.11 The corner to sections 23. 24. 25. 26

Land level &amp; rolling.

Soil 3<sup>rd</sup> rateVegetation Chino

Township 22 NRange 20 E

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation

13° 20'

East.

*Ascend.*

40.00 Set a *Flint* stone  $10 \times 10 \times 10$  ins., 10  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  
face, and raised a mound of stone *alongside*. Pits  
*impracticable*.

71.50

Cross Wash, 20 lks. wide, Course  $30^\circ$  and ascend.

82.00

Deposited a marked stone, 12 ins. in the ground, for  
cor. to Secs. 13, 14, 23, 24, 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. 22 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 faces,  
with 3 notch on S. and 1 notch on E. edges.

*Land rolling.*Soil  $3^\circ$  rateVegetation *Grass*

Township 22 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  $\frac{1}{2}$  Sec. Cor.

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

70.00 Enter Valley, bears S. 210° W.

79.70 Intersect E. B. of Tp. 14 lks. S. of cor. to secs. previously set by me.

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

S. 89° 53' W. on a true line, between sections 13 & 24

Variation 14° 51' East.

89.85° Set a Flint stone 10 x 10 x 6 ins., 10 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on S. 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.

94.70 The corner to sections 12, 11, 23, 24

Land level. } rolling.

Soil 3<sup>rd</sup> } rate

Vegetation Grass.



Chains

North, between Sections 13 and 14.

Variation 13° 30' East.

*Ascend.*

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 <sup>W</sup> face.

80.00

Set a *Plumb* stone 22 x 10 x 8 ins. 18 ins. in the ground for Cor. to Secs. 11, 12, 13, 14 marked with 4 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

*Land rolling.*

Soil 3<sup>rd</sup> rate

Vegetation Grass



Township 22 N Range 22 E

Gila and Salt River Meridian.

Chains

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

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

*Ascend.*

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

79.69 Intersect C. B. of Tp. 14 lks. N. of cor. to secs. previously set by me.

$7.12.13. 18^{\circ}$  from which corner, I run

$N. 39^{\circ} 54' W.$  on a true line, between sections 12 & 13

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

89.84 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.

79.69 The corner to sections 11. 13. 13. 14

Land rolling.

Soil 3rd rate

Vegetation Grass

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 11 and 12.

Variation 13° 30' East.

Ascend.

37.20 Top of Spur, bears N E 2 S. W. and descend.

40.00 Set a Flint stone 12 x 12 x 11 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., S and S. of stone 5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high, 3 $\frac{1}{2}$  ft. base alongside.

71.80 Cross Wash, 50 fks. wide, Course Sec 11 and ascend.

80.00 Set a Red Sand stone 16 x 10 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, 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 3<sup>rd</sup> rate

Vegetation Grass

Timber of Juniper

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains

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

Variation 12° 30' East.

Descend.

7.60 Cross Wash, 50 lks. wide, Course S. 85° W and ascend.40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.79.81 Intersect E. B. of Tp. 20 lks. N. of cor. to secs. previously set by me.1. 6. 7. 12 from which corner, I runN. 89° 51' W on a true line, between sections 1 & 12Variation 14° 51' East.39.91

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.

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

Land rolling.

Soil 3rd rateVegetation Chaco

Township 22 N. Range 21 E

Gila and Salt River Meridian.

Chains North, on a random line between Sections 1 and 2.  
 Variation 15° 33' East.

*Ascend.*

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

80.13 Intersect *N. B. of Tp. 36* *Nks. C. of cor. to secs.*  
*previously set by me.*

*1. 2. 36. 36* from which corner, I run

*S. 13° E.* on a true line, between sections *1 & 2*

Variation 13° 30' East.

40.13 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  
 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.

80.13 The corner to sections *1. 2. 11. 12*

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation *Grass*

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

*A. J. Johnson. March, 8<sup>th</sup> 1883*



Township

22 N

Range

20 E

## Gila and Salt River Meridian.

From the corner to sections, 2, 3, 34, 35, previously set by me.

Chains <sup>run</sup> North, between Sections 34 and 35.

Variation 14° 51' East.

Descend.

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.

78.19

Cross Wash, 22 lks. wide, Course N. E. and ascend.

80.00

Set a Flint-stone 16 x 10 x 5 ins. 10 ins. in the ground for Cor. to Secs. 26, 27, 34, 35 - marked with 1 notch on S. and 2 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation Grass

Timber of Juniper.



Township 22 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.*

1.50 Cross Wash, 16 lks. wide, Course N. E.  
 40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.  
 80.41 Intersect N. & S. line, 17 lks. S. of cor. to secs.

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

189° 53' W. on a true line between sections 26 & 30  
 Variation 13° 30' East

40.21 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. E.  
N. face, dug pits, 18 x 18 x 12 ins., E. 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.

80.41 The corner to sections 26, 27, 34, 35

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass

Township 22. N Range 21. E

Gila and Salt River Meridian.

Chains North, between Sections 26 and 27.  
Variation 13° 30' East.*Descend.*37.00 Cross Wash, 20 lks. wide, Course S 30° E 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.60.75 Top of Spur, bears NW. & S. E. 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, 22, 23, 26, 27  
marked T, 22 N. S., 23, on N, E, R, 20 E. S., 26  
on S, E, S, 27 on S, W, and S, 22 on N, W, face  
with 2 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<sup>rd</sup> rateVegetation Grass.

Township 22 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.

18.16 Cross Wash, .46 lks. wide, Course S. E. and ascend.  
40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.  
46.50 Top of Spur, bears N. 41° N. S. 41° E. and descend.  
77.50 Enter Valley, bears S. E.  
79.90 Intersect N. & S. line, 13 lks. N. of cor. to secs.  
23. 24. 25. 26 from which corner, I run  
N. 54° W. on a true line between sections 23. 26.

Variation 13° 30' East

39.90 Set a Plumb stone 46 x 30 x 25 ins., 53  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  
face, and raised a mound of stone. alongside. Pits  
impracticable.

79.90 The corner to sections 22 23. 26. 27  
Land level. & rolling.  
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 13° 30' East.

*Descend.*

*10.60*  
*10.60*

Cross Wash, 20 fks. wide, Course J. C and ascend.

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.,  $\frac{1}{4}$  and  $\frac{3}{4}$  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 T, 22 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<sup>rd</sup> rate

Vegetation Grass

Timber of Juniper



Township 22 N 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.

52.20 Enter Valley, bears S 50° W

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

80.27 Intersect N. & S. line, 39 lks. N of cor. to secs.

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

N 89° 43' W on a true line between sections 14 & 23

Variation 13° 30' East

40.13 Set a Basalt stone 16 x 9 x 4 ins., 10 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on S face, and raised a mound of stone alongside. Pits impracticable.

80.24 The corner to sections 14. 15. 22. 23

Land level. } rolling.

Soil 3<sup>rd</sup> } rate

Vegetation Grass

Timber of Juniper



Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

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

Descend.

39.00

Cross Wash, 20 lks. wide, Course  $S 80^{\circ} E$  and ascend.

40.00

Set a post 3 ft. long, 3 ins. diam. with marked stone  
12 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on  
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.

30.00

Set a post 4 ft. long, 4 ins. square, with marked stone  
12 ins. in the ground, for Cor. to Secs, 10. 11. 14. 16.  
marked T, 22 N.S, 11, on N, E, R, 20 E, S. 14  
on S, E, S, 10 on S, W, and S, 10 on N, W, face  
with 4 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<sup>rd</sup> rate

Vegetation Grass.

Timber of juniper.

BOOK 434

19

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 11 and 14.  
Variation  $13^{\circ} 30'$  East.

*Descend.*

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

65.12 Enter Valley, bears  $S 100^{\circ} W$

62.00 Cross Wash, 10 lks. wide, Course  $S 20^{\circ} W$

77.00 Leave Valley, bears  $N 15^{\circ} E$  and  $S 15^{\circ} W$  and ascend.

80.36 Intersect N. & S. line, 58 lks. N. of cor. to secs.  
11. 12. 13. 14 from which corner, I run

$N 89^{\circ} 35' W$  on a true line between sections 11 & 14  
Variation  $13^{\circ} 30'$  East

40.18 Set a Flint stone  $40 \times 8 \times 6$  ins., 30  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{2}$  on N  
face, and raised a mound of stone. alongside. Pits  
impracticable.

80.36 The corner to sections 10. 11. 14. 16

Land rolling & level.

Soil 3<sup>rd</sup> grade

Vegetation Grass

Township 22 N

Range 21 E

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation 13° 30' East.

*Ascend.*

38.00

Top of Spur, bears N. W. 2 S. E. and 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 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.

44.00

Cross Wash, 30 lks. wide, Course E, 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. 2, 3, 10, 11 marked T, 22 N S, 2, on N, E, R, 20 E S, 11 on S, E, S, 10 on S, W, and S, 3 on N, W, face with 5 notches on S, and 3 notches on E, edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base around post.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass.

Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

*Descend.*

16.0 Cross Wash, 40 lks. wide, Course S. 20° E and ascend.

26.13 Top of Spur, bears N 30° E and descend.

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

79.89 Intersect N. &amp; S. line, 9 lks. N of cor. to secs.

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

N. 89° 56' W. on a true line between sections 2 &amp; 11

Variation

13° 30'

East

39.94 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.

79.89 The corner to sections 2-3-10-11

*Land mountainous.**Soil 3<sup>rd</sup> rate**Vegetation Grass**Timber of Juniper*



Township 22 N. Range 20 E.

Gila and Salt River Meridian.

Chains North, on a random line between Sections 2 and 3.  
Variation  $13^{\circ} 30'$  East.

Descend.

3.00 Cross Wash, 40 fks. wide, Course S. 25° E. and ascend.  
40.00 Set temporary  $\frac{1}{2}$  Sec. Cor.  
63.70 Top of bluff bear E. & N. & continue to ascend.  
80.40 Intersect N. B. of Tp. 21 fks. E. of cor. to secs.  
previously set by me.  
2. 3. 34. 36. from which corner, I run  
S. 9° E. on a true line, between sections 2 & 3

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

80.40 Set a Basalt stone  $14 \times 10 \times 3$  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.

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

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass

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

J. M. Carson, Compassman. March 8<sup>th</sup> 1853



Township 22 N Range 30 E

Gila and Salt River Meridian.

From the corner to sections, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, previously set by me.

Chains 1000 North, between Sections 33 and 34.Variation 4° 51' East.

Descend.

Set a Sand stone  $16 \times 11 \times 4$  ins., 10 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on SW face, and raised a mound of stone. alongside. Pits impracticable.

78.12 Cross Wash, 50 yds. wide, Course NE and ascend.

80.00 Set a Flint stone  $15 \times 8 \times 7$  ins. 10 ins. in the ground for Cor. to Secs. 27, 28, 33, 34 marked with 1 notch on S. and 3 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil red rateVegetation Grass

Township 22 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.

Descent.

6.50 Cross Wash, 1.10 lks. wide, Course NE and ascend.

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

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

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

26, 27, 34, 36 from which corner, I run

S.  $89^{\circ} 49'$  W. on a true line between sections 27 & 34

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

40.16 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.

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

Land mountainous.

Soil  $3^{\circ}$  - rate

Vegetation Grass.

Timber of Juniper

Township 22 N

Range 20 E

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation 13° 30' 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 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.

42.70 Cross Wash, 20 lks. wide, Course N 80° E and ascend.

80.00 Set a Basalt stone 8 x 18 x 4 ins. 12 ins. in the ground for Cor. to Secs. 21, 22, 27, 28 marked with 2 notches on S. and 3 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass

Timber of Juniper

Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

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

Variation

3° 31'

East.

*Ascend.*

10.10

Lean top of butte.

40.00

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

60.20

*Descend.* from butte bears N. & S.

79.88

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

89° 51' W. on a true line between sections 22 &amp; 27

Variation

13° 30'

East

89.94

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.

79.88

The corner to sections 21, 22, 27, 28

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass.

Terra of Juniper.

Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

North, between Sections 21 and 22.

Variation

13° 30'

East.

*Ascend.*

10.21 Top of Ridge, bears E. &amp; W. and descend.

40.00 Set a Basalt - stone 24 x 16 x 10 ins., 15 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, and raised a mound of stone. alongside. Pits impracticable.

80.00 Set a Basalt - stone 18 x 16 x 8 ins. 12 ins. in the ground for Cor. to Secs. 16, 21, 22 marked with 3 notches on S. and 3 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation Grass

Timber of Juniper.



Township 22 N Range 20 E

Gila and Salt River Meridian.

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

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

*Descend.*

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

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

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

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

S.  $29^{\circ} 03'$  W. on a true line between sections 16 & 22.

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

39.84 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.

79.69 The corner to sections 16, 18, 21, 22

Land rolling.

Soil  $3^{\circ}$  rate

Vegetation Grass

ROOK 434

29

Township 22 N Range 21 E

Gila and Salt River Meridian.

Chains North, between Sections 15 and 16.

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

Descend.

4.70 Cross Wash, 20 fks. wide, Course  $S 8^{\circ}$  and ascend.

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

43.16 Top of Hill and descend.

70.00 Cross Wash, 17 fks. wide, Course  $S 80^{\circ}$  and ascend.

80.00 Set a Basalt stone  $16 \times 10 \times 10$  ins. 10 ins. in the ground for Cor. to Secs. 9, 10, 15, 16 marked with 4 notches on S. and 3 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass.

Township

Range

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  $\frac{1}{4}$  Sec. Cor.47.60 Top of Spur, bears *N.W. & S. E.* and descend.80.00 Intersect N. & S. line, *40* lks. *S.* of cor. to secs.*10, 11, 14, 15* from which corner, I run*89^{\circ} 43'* W. on a true line between sections *10 & 15*Variation  $13^{\circ} 30'$  East

40.00 Set a *Large* stone  $16 \times 12 \times 4$  ins., *10* ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on *N.* face, and raised a mound of stone alongside. Pits impracticable.

80.00 The corner to sections *9, 10, 14, 15*

Land mountainous.

Soil *3<sup>rd</sup>* rateVegetation *Grass*Timber of *Juniper*

BOOK 434

31

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 9 and 10.

Variation 13° 30' East.

*Ascend.*

40.00 Set a Basalt stone 20 x 16 x 10 ins., 16 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.

60.00 *Ember Mesa.*

80.00 Set a Basalt stone 26 x 16 x 10 ins. 18 ins. in the ground for Cor. to Secs. 3, 4, 9, 10 marked with 8 notches on S. and 5 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3<sup>d</sup> rate

Vegetation Grass.

Timber of Juniper

Township 22 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.

Over level land

10.00

Leave Mesa base N. & S.

40.00

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

66.70

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

79.78

Intersect N. & S. line, 20 lks. S. of cor. to secs. 3, 4, 9, 10 from which corner, I run

S. 89° 51' W. on a true line between sections 3 & 10

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

89.89

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.

79.78

The corner to sections 3, 4, 9, 10

Land level.

Soil 3<sup>rd</sup> rate

Vegetation Grass



Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

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

80.16 Intersect N.B. of ~~the~~ <sup>the</sup> ~~line~~ <sup>line</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~sec.~~ <sup>sec.</sup> ~~to~~ <sup>to</sup> ~~secs.~~ <sup>secs.</sup> ~~previously~~ <sup>previously</sup> ~~by~~ <sup>by</sup> ~~me.~~ <sup>me.</sup> ~~from~~ <sup>from</sup> ~~which~~ <sup>which</sup> ~~corner,~~ <sup>corner,</sup> ~~I~~ <sup>I</sup> ~~run~~ <sup>run</sup>

3. 4. 33. 34 ^

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

Variation 13° 30' East.

40.16 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.

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

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass.

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

A. J. Johnson. March 9<sup>th</sup> 1853

Township 22 N Range 20 E

## Gila and Salt River Meridian.

From the corner to sections, 4, 5, 32 &amp; 33 previously set by me.

Chains 3000 North, between Sections 32 and 33.Variation 14° 51' East.

Ascend.

1000 Top of Ridge, bears NW & SE and descend.4000 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.30.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 22, 29, 32, 33 marked T, 22 N.S., 29, 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 mountainous.

Soil 3<sup>rd</sup> rateVegetation Grass.

BOOK 434

35

Township 22 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.

60.00 Descend. gradually.

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

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

N. 89° 46' W. on a true line between sections 28 & 33

Variation 13° 30' East

100.00 Set a Basalt stone 16 x 18 x 4 ins., <sup>10</sup> 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.

Pa. 12 The corner to sections 28, 29, 33, 33

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 28 and 29.

Variation 13° 30' East.*Descend.*

- 9.50 Cross Wash, 40 lks. wide, Course N 76° E 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.
- 60.00 Top of Ridge, bears NE. & S. W. and descend.
- 80.00 Set a Sand stone 20 x 20 x 10 ins. 10 ins. in the ground for Cor. to Secs. 20, 21, 25, 29 marked with 2 notches on S. and 4 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.
- Land mountainous.
- Soil 3° rate
- Vegetation Grass

Township

22 N.

Range

20 E

Gila and Salt River Meridian.

Chains

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

Variation 13' 30' East.

Ascend.

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

60.00 Top of Ridge, bears NE. & S.W. and descend.

76.53 Ascend.

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

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

S. 59° 54' W. on a true line, between sections 21 & 28

Variation 13° 30' 45" East

80.24 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.

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

Land mountainous.

Soil 3" rate

Vegetation Grass

Timber of Juniper



Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation 13° 30' East.

Descend.

Set a Basalt - stone 20 x 14 x 10 ins., 15 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.

Cross Wash, 20 fks. wide, Course N. 10° E and ascend.

80.00

Set a Limestone stone 20 x 20 x 16 ins. 15 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 3:2 rats

Vegetation Grass

Timber of Juniper.

BOOK 434

39

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains

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

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

*Descend.*

29.00 Cross Wash, 20 lks. wide, Course  $160^{\circ}$  and ascend.

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

46.70 Cross Wash, 60 lks. wide, Course  $N 70^{\circ}$  and ascend.

72.00 Top of Spur, bears  $N. \& S.$  and descend.

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

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

$N 47^{\circ} 47'$  W. on a true line between sections 16. 20. 21

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

39.90 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  
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.

70.00 The corner to sections 16. 17. 20. 21

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation Grass.

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 16 and 17.

Variation  $3^{\circ} 31'$  East.

Descend.

10.00 Cross Wash, 7 lks. wide, Course  $\odot$  and ascend.

12.00 Set a Basalt stone  $6 \times 10 \times 6$  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.

44.00 Cross Wash, 60 lks. wide, Course  $\odot$  and ascend.

80.00 Set a Limestone stone  $27 \times 20 \times 20$  ins., 21 ins. in the ground for Cor. to Secs. 8, 9, 10, 17 marked with  $\#$  notches on S. and  $\Delta$  notches on E. edges and raised a mound of stone. alongside. - Pits impracticable.

Land rolling.

Soil  $3^{\circ}$  rate

Vegetation Grass

Township

22 N

Range

22 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

39.60 Cross Wash, 20 lks. wide, Course S. E.

40.00 Set temporary 1/4 Sec. Cor.

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

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

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

199.65' W. on a true line between sections 9 & 16

Variation 13° 30' East

39.89 Set a *lime* stone 19 x 12 x 9 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. alongside. Pits impracticable.

79.78 The corner to sections 8. 9. 15. 17

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass

Timber of juniper.

Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation

13° 30'

East.

Descend.

26.00

Cross Wash, 30 lks. wide, Course S. E. 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 Basalt stone 30 x 16 x 8 ins. 21 ins. in  
the ground for Cor. to Secs. 4. 6. 8. 9 marked  
with 6 notches on S. and 4 notches on E. edges and  
raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation

Grass.

Timber of Juniper.



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.

Ascend.

20.00 Top of Spur, bears N. x S. and descend.

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

49.00 Cross Wash, 30 lks. wide, Course S. 10<sup>o</sup> Wand ascend.

78.00 ~~Corner~~ Mesa <sup>60</sup> S.

80.21 Intersect N. & S. line, 25 lks. S. of cor. to secs.

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

S. 89<sup>o</sup> 49' W. on a true line between sections 4 & 9

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

40.21 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.

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

Land mountainous.

Soil 3<sup>o</sup> rate

Vegetation Grass.

Township 22 N Range 30 E

Gila and Salt River Meridian.

Chains North, on a random line between Sections 4 and 5.  
Variation 18° 33' East.*Ascend.*17.25 Enter Mesa, bear E & W.40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.72.00 Leave Mesa, bear E & W.80.00 Intersect N.B. of Tp. 19 Nks. W. of cor. to secs. previously set by me.4. 5. 32, 33 from which corner, I runS. 8° W. on a true line, between sections 4 & 5Variation 18° 30' East.40.00 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 W.  
face, and raised a mound of stone. alongside. Pits  
impracticable.40.00 The corner to sections 4. 5. 8. 9

Land rolling.

Soil 3<sup>rd</sup> rateVegetation Grass.

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

W. M. Carson, Compassman, March 9<sup>th</sup> 1853

Township 22 N Range 20 E

Gila and Salt River Meridian.

From the corner to sections, 5, 6, 31 & 32 <sup>previously set by me.</sup>  
 Chains, <sup>Iron</sup> North, between Sections 31 and 32.

Variation 14° 51' East.

Ascend.

40.00

Set a Basalt-stone 16 x 9 x 6 ins., 10 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits 18 x 18 x 12 ins., N and S. of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high, 3 $\frac{1}{2}$  ft. base. alongside.

80.00

Set a Basalt-stone 20 x 12 x 6 ins., 10 ins. in the ground for Cor. to Secs. 29, 30, 31, 32 marked with 1 notch on S. and 5 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass

Timber of Juniper

Township 22 N Range 11 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 29 and 32.  
Variation  $13^{\circ} 30'$  East.

Ascend.

16.00 Top of Ridge, bears *NW* & *SE* and descend.40.00 Set temporary  $\frac{1}{2}$  Sec. Cor.58.90 Cross Wash, 12 lks. wide, Course *NE* and ascend.79.75 Intersect N. & S. line, 48 lks. *N.* of cor. to secs.

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

*N* 89.89 *W.* on a true line between sections 29 & 32.Variation  $13^{\circ} 30'$  East89.87 Set a Basalt-stone  $16 \times 9 \times 4$  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.

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

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation Grass.

A. P. Johnson, March 10<sup>th</sup> 1883



Township

22

N

Range

21

E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

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

12.12 Cross Gulch, 90 lks. wide, Course S. 10° W and ascend.

78.46 Intersect W. B. of Tp. 38 lks. S. of cor. to secs.  
previously set by me.

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

S. 89° 44' E on a true line, between sections 30 &amp; 31

Variation 13° 26' East.

85.40 Set a post 3 ft. long, 3 ins. diam. with marked stone  
12 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  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.

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

*Land rolling.**Soil good rate**Vegetation Grass.**G. M. Carson. Compassman. March 10<sup>th</sup> 1863*



Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains North, between Sections 29 and 30.

Variation 3° 30' East.

Ascend.

21.10 Top of Ridge, bears NW & SE and descend.40.00 Set a Basalt stone 16 x 7 x 4 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 16 x 12 x 6 ins. 10 ins. in the ground for Cor. to Secs. 19, 20, 29, 30 marked with 2 notches on S. and 6 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$  ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$  ft. base. alongside.

Land mountainous.

Soil 3 $\frac{1}{2}$  rateVegetation Grass

Township 22 N

Range 20 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

*Descend.*

16.26 Cross Wash, 20 lks. wide, Course NE and ascend.

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

40.40 Top of Spur, bears NE & S. W. and descend.

70.70 Cross Wash, 20 lks. wide, Course N. 30° E and ascend.

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

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

N. 59° 45' W. on a true line between sections 20 & 29

Variation 13° 30' East

37.75 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.

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

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation Grass.

A. P. Johnson, March 10<sup>th</sup> 1883

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains West, on a random line between Sections 19 and 30.  
 Variation 13° 30' East.

Ascend.

40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.  
 50.00 Top of butte bears N.W. & S.E.  
 78.17 Intersect N.W. B. of Tp. 10 lks. S. of cor. to secs.  
previously set by me.  
19.24.25.30 from which corner, I run  
S. 89° 56' E on a true line, between sections 19 & 30

Variation 13° 21' East.

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

78.17 The corner to sections: 19. 20. 29. 30

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation Grass

Timber of juniper.

L.M. Carson. Campman. March 10<sup>th</sup> 1893

Township 22 NRange 21 E

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation 13° 30' East.*Descend.*

*1000* 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.

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, 22 N. S., 17, on N, E, R, 20 G. 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, 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<sup>rd</sup> rateVegetation Grass.



Township 22 N Range 21 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 17 and 20.  
Variation 18° 30' East.

*Descend.*

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

72.00 Cross Wash, 7 lks. wide, Course N. 81° E and ascend.

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

16.57 30. 21 from which corner, I run

69° 56' W. on a true line between sections 17 & 20

Variation 18° 30' East

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

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

Land rolling.

Soil. 3<sup>rd</sup> rate

Vegetation Grass.

H. D. Johnson, March 10<sup>th</sup> 1883.



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53

Township 32 N Range 20 E

Gila and Salt River Meridian.

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

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

*descend.*

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

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

77.80 Intersect *W. 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. 53'* On a true line, between sections 18 & 19.

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

37.00 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., *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.

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

Land rolling.

Soil *st* rate

Vegetation *Grass*

Timber of *Juniper*

*G. M. Olson* Compassman. March. 10. 1883

Township 22 N

Range 20 E

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation 8° 30' East.

*Descend.*

20.20

*Cross dry 20 lbs wide Course NE.*

50.00

*Cross Wash, 20 lbs wide, Course S, and ascend.*

42.00

*Set a Basalt-stone 17 x 10 x 12 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on face, and raised a mound of stone. alongside. Pits impracticable.*

80.00

*Set a Sand stone 20 x 16 x 4 ins. 18 ins. in the ground for Cor. to Secs. 7, 8, 17, 18 marked with notches on S. and 6 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.*

*Land rolling.*

*Soil 3<sup>rd</sup> rate*

*Vegetation Grass.*

*Timber of Juniper.*

Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

3.75 Descend.

22.20 Cross Wash, 20 lks. wide, Course S. & ascend.

40.00 Set temporary 1/2 Sec. Cor.

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

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

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

89.96. 17 from which corner, I run

N. 89.47 W. on a true line between sections 8 & 17

Variation 13° 30' East

39.99 Set a Basalt stone 20 ± 20 ± 10 ins., 16 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N. face, and raised a mound of stone. alongside. Pits impracticable.

79.99 The corner to sections 7, 8, 17, 18

Land mountainous.

Soil 3° rate

Vegetation Grass.

Timber of Juniper.

S. P. Johnson. March 10<sup>th</sup> 1883

Township

22 N

Range

22 E

Gila and Salt River Meridian.

Chains

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

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

Ascend.

40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.77.62 Intersect W. B. of Tp. 12 lks. S. of cor. to secs.  
previously set by me.  
7. 12. 13. 18 from which corner, I run

S. 89° 55' E. on a true line, between sections 7 &amp; 18

Variation  $12^{\circ} 30'$  East.37.62 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 N  
face, and raised a mound of stone. alongside. Pits  
impracticable.

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

Land rolling.

Soil 3<sup>d</sup> rate

Vegetation Grass.

Timber of Juniper.

G. M. Cannon. Compa. in com. March 10<sup>th</sup> 1883

57

Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

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

Ascend.

40.00 Set a Basalt-stone  $20 \times 10 \times 10$  ins., 15 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.

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

80.00 Set a <sup>in place</sup> Marked stone  $30 \times 30 \times 20$  ins. 21 ins. in the ground for Cor. to Secs. 5, 6, 7, 8 marked with crosses  $\times$  at each corner point with  $\frac{1}{2}$  notches on S. and  $\frac{1}{2}$  notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Grass.



Township 22 N Range 20 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 5 and 8.  
Variation 3° 30' East.

Descend.

33.09 Cross Wash, 24 lks. wide, Course S. 20° E and ascend.

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

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

4. 6. 8. 9 from which corner, I run

S. 89° 00' W. on a true line between sections 5 & 8

Variation 13° 30' East

42.07 Set a Basalt-stone 16 x 10 x 8 ins., 10 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside. Pits impracticable.

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

Land rolling.

Soil 3<sup>d</sup> rate

Vegetation Grass

Timber of juniper.

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

L. P. Johnson. March 15<sup>th</sup> 1853

Township

22 N

Range

20 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

1.20

Top of Spur, <sup>from base</sup> bears N. 78° S. and descend.

40.00

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

77.39

Intersect W. B. of Tp. 13 lks. S. of cor. to sec. previously set by me.

1. 6. 7. 12 from which corner, I run

89° 04' E. on a true line, between sections 6 & 7

Variation 13° 30' East.

37.39

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, 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.

77.39

The corner to sections 6. 6. 7 & 8

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation Grass.

Township 22 N Range 21 E

Gila and Salt River Meridian.

Chains North, on a random line between Sections 5 and 6.  
Variation 13° 33' East.

*Ascend.*

14.27 Cross Wash, 20 fks. wide, Course S. 0° and ascend.  
40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.

79.86 Intersect N.B. of Tp. 23 fks. W. of cor. to secs.  
previously set by me.  
6. 6. 31. 32 from which corner, I run  
S. 18' W. on a true line, between sections 5 & 6  
Variation 13° 30' East.

89.86 Set a Basalt-stone 26 x 12 x 8 ins.,  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face and raised a mound of stone alongside. Pits  
impracticable.

79.56 The corner to sections 6. 6. 7. 8

Land rolling.

Soil 3<sup>rd</sup> rateVegetation Grass.

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

G. M. Carson, Comptroller. March 1880

## GENERAL DESCRIPTION.

This Township represents various grades of land from rich valley or bottom land to rough mountainous ridges. The southern part is rough.

The grass is only fair, with a good growth of pineapples all over the Tp.

A small brown copper butte is near the center of the Tp.

The central part of Tp. is a valley formed by a creek that runs nearly eastward.

The northern part is rough and mountainous. A spring is near the center.

The soil average about 3<sup>rd</sup> rate.

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For Trial Oath  
see Book 19.

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

The foregoing Field Notes of the survey of the  
Subdivision lines of Township  
22 North, 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 5<sup>th</sup> 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.