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Book No. 6

A. P. Johnson, Deputy Surveyor.

T. 24 North, R. 19 East

Gila and Salt River Meridian.

BOOK 521

# FIELD NOTES

No. 521

OF

THE SUBDIVISION LINES OF

Township 24 North, Range 19 East

Gila and Salt River Meridian.

BY

A. P. Johnson, Deputy Surveyor.

Under his Contract of August 5<sup>th</sup> 1882

Survey Commenced February 12<sup>th</sup> 1883.

Survey Completed February 14<sup>th</sup> 1883.

521

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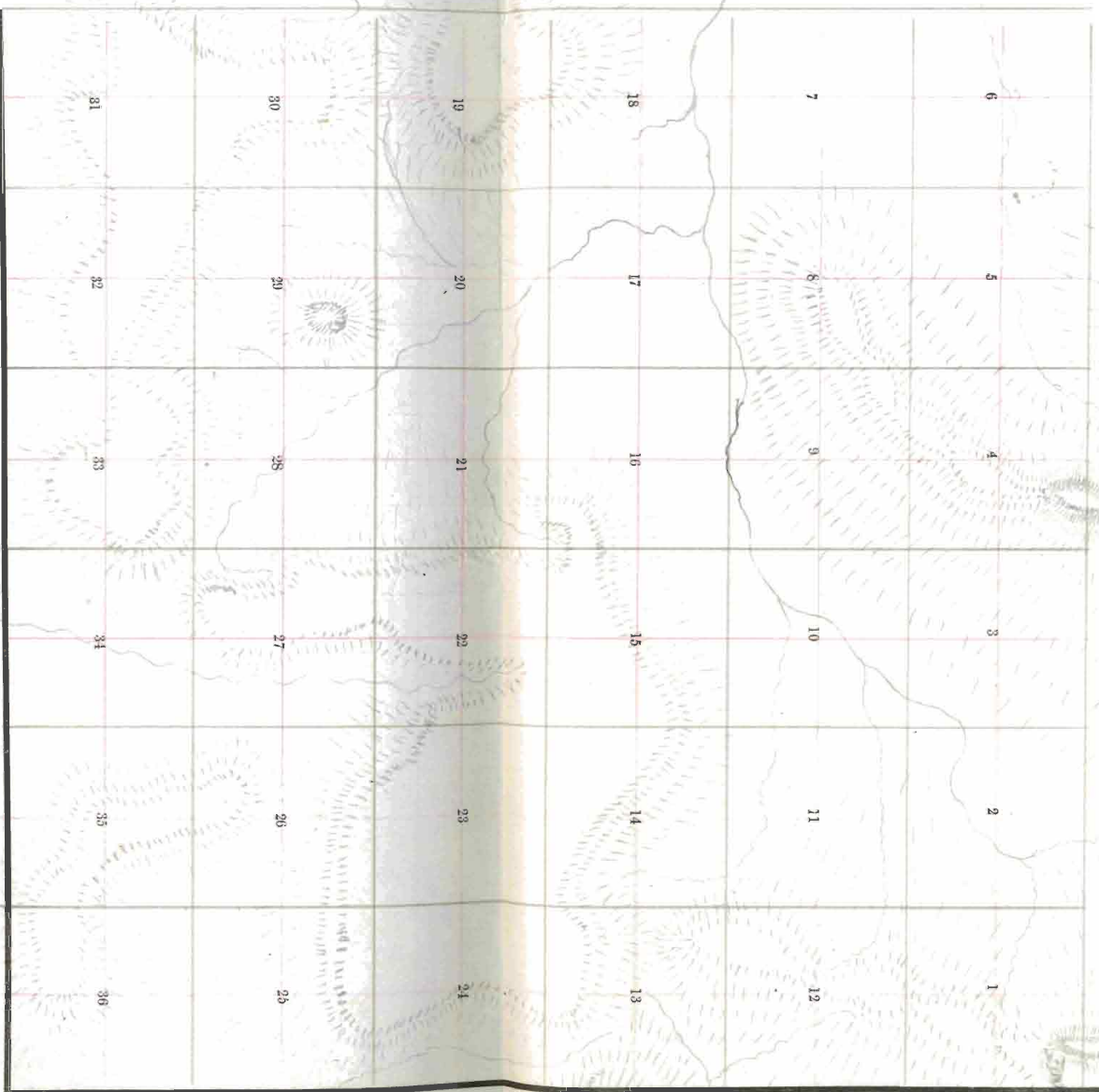
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Township No. 24 N. Range No. 10 E. 1<sup>st</sup> Meridian.

BOOK 521



TOWNSHIP PLOT

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

Office Work.

No. 421

BOOK 521

*A. P. Johnson*, Deputy Surveyor.  
**T.** *24 North*, **R.** *19 East*,  
Gila and Salt River Meridian.

## FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *24 North*, Range *19 East*,  
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*A. P. Johnson*, Deputy Surveyor.  
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1A

BOOK 521

Township 24 North Range 17 East  
S. M. S. R. Meridian.

6	60	5	44	4	33	3	22	2	11	1
59		58		43		32		21		10
7	57	8	42	9	31	10	20	11	9	12
56		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

BOOK 521  
Range

Meridian.

For Preliminary Data  
and description of  
instrument used  
see Book X-1

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

Township 24 M

Range 19 E

(See previous page.)

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

25.10 Top of Butte and descend.

40.00 Set a lava stone 15 x 9 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. alongside. Pits impracticable.

80.00 Set stone in place, 36 x 20 x 16 ft. above the ground for Cor. to Secs. 25, 26, 35 & 36, marked with crosses (x) at exact cor. point and with notch on S. and notch on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 1/2 rate

Vegetation of mesquites.

Township 24 N Range 19 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 25 and 36.  
Variation 130 30' East.*Descend.*40.00 Set temporary  $\frac{1}{2}$  Sec. Cor.79.96 Intersect E. B. of Tp. 10 Nrs. South of cor. to secs.  
previously set by me.  
25, 30, 35 & 36, from which corner, I runS. 89° 56' W on a true line, between sections 25 <sup>and</sup> 36.Variation 130 30' East.39.98 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.79.96 The corner to sections 25, 26, 35 <sup>and</sup> 36.

Land rolling.

Soil 3rd rate

Vegetation of bunchgrass.

Township 24 N, Range 19 E,

Gila and Salt River Meridian.

Chains North, between Sections 25 and 26.

Variation 19° 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.

50.00 Ascend. abruptly.

60.00 Top of Mesa, bears C. and W.

80.00 Set a basalt stone 20 x 20 x 20 ins. 15 ins. in the ground for Cor. to Secs. 23, 24, 25 and 26, marked with 2 notch  $\infty$  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 of bunchgrass.



Township 24 N., Range 19 E.

Gila and Salt River Meridian.

Chains

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

Variation 18° 39' East.*Over Mesa.*40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.

70.00 Descend.

80.12 Intersect E. B. of Tp. 16 Tks. N. of cor. to secs.  
previously set by me.  
19, 24, 25 ~~30~~ from which corner, I runN.  $89^{\circ} 53' W.$  on a true line, between sections 24 <sup>and</sup> 25.Variation 18° 30' East.40.06 Set a basalt stone 16 x 12 x 7 ins., 11  
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.80.12 The corner to sections 23, 24, 25 <sup>and</sup> 26.

Land rolling.

Soil  $\frac{1}{4}$  <sup>in</sup> rate

Vegetation of bunchgrass.

5 BOOK 521  
Township 24 M.

Range 19 E.

Gila and Salt River Meridian.

Chains North, between Sections 23 and 24.

Variation  $13^{\circ} 39'$  East.

Over rolling land.

40.00 Set a basalt stone  $16 \times 10 \times 7$  ins., 11 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  $20 \times 6 \times 2$  ins. 15 ins. in the ground for Cor. to Secs. 13, 14, 23 & 24, marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 4<sup>th</sup> rate

Vegetation of bunch grass.

Timber of Juniper.

Township 24 N Range 19 E

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 30'$  East.*Over rolling land.*40.00 *Set temporary  $\frac{1}{4}$  Sec. Cor.*70.00 *Descend. very gradually.*82.13 *Intersect C. B. of Tp. 30 lks. <sup>Notes of cor. to secs.</sup>  
previously set by me.  
13, 18, 19 & 24, from which corner, I run**(N. 89° 40' W) on a true line, between sections 13 and 24.**Variation  $13^{\circ} 40'$  East.*

40.06 *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.*

80.13 *The corner to sections 13, 14, 23 and 24.**Land rolling.**Soil 3rd rate**Vegetation of bunchgrasses and sagebrush.**Timber of Juniper.*

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

Variation

130 30'

East.

*Over rolling land.*20.00 *Descend. from Butte.*

40.00 Set a basalt stone 19 x 10 x 9 ins., 14 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 post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 11, 12, 13 <sup>and</sup> 14, marked T, 24 N S, 12, on N, E, R, 19 E, S. 13 on S, E, S, 14 on S, W, and S, 11 on N, W, faces, with 4 notches on S, and 1 notch on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5  $\frac{1}{2}$  ft, dist., and raised a mound of earth 2 ft, high, 4  $\frac{1}{2}$  ft, base around post.

*Land rolling.**Soil 3rd rate*

*Vegetation of bunch grass and sagebrush  
Timber of Juniper.*

Township 24 N.

Range 19 E.

No. 471

Gila and Salt River Meridian.

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

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

Ascend.

37.00 Top of Ridge, bears  $N. 15^{\circ} W.$   $2^{\text{d}}$   $S. 15^{\circ} E.$  and descend.40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.79.93 Intersect E. B. of Tp. 13 lks. *S. of* cor. to sec.previously set by me.  
7, 12, 13  $\frac{1}{4}$  Sec. from which corner, I run $S. 89^{\circ} 54' W.$  on a true line, between sections 12  $2^{\text{d}}$   $13.$ Variation  $13^{\circ} 30'$  East.

39.96 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.

79.93 The corner to sections 11, 12, 13  $2^{\text{d}}$  14.

Land mountainous

Soil 3<sup>rd</sup> rate

Timber of Juniper.

Vegetation. of bunchgrass  $2^{\text{d}}$  and sagebrush

9 Township 24 *M* Range 19 *E*

Gila and Salt River Meridian.

Chains North, between Sections 11 and 12.

Variation 130° 30' East.

*Descend.*

40.00 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on *W.* face; from which  
A Juniper 5 ins. diam. bears *N. 28° E.*, 28 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

A Juniper 7 ins. diam. bears *N. 55° W.* 43 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

61.20 Cross Wash, 40 lks. wide, Course *N. 51° W.* and ascend.

80.00 A Juniper, 10 ins. dia, which I marked  
T. 24 *M* S. 1, on N. E. R. 196 S. 12 on  
S. E. S: 11, on S. W. and S. 2 on N. W. faces,  
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 around tree, for cor. to secs.

1, 2, 11 and 12.

Land rolling.

Soil *3m* rate

Vegetation of bunchgrass.

Timber of Juniper.

Township 24 M. Range 19 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 1 and 12.  
Variation  $130^{\circ} 30'$  East.

Ascend.

40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.43.00 Top of Ridge, bears  $N. 10^{\circ} E.$   $2\frac{1}{2}$  d.  $10^{\circ} W.$  and descend.79.75 Intersect *E. B. of Tp.* 21 lks. South of cor. to secs.  
previously set by me.

1, 6, 7 &amp; 12, from which corner, I run

d.  $89^{\circ} 51' W.$  on a true line between sections 1 and 12.Variation  $130^{\circ} 30'$  East

39.87 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 *W.* face.

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

Land mountainous

Soil 3rd rate

Timber of Juniper.

Vegetation of bunchgrass and Sagebrush.

Township 24 N. Range 19 E.

Gila and Salt River Meridian.

Chains North, on a ~~random~~ <sup>true.</sup> line between Sections 1 and 2.  
Variation 13° 30' East.

*Ascend.*

30.00 Top of Spur, bears E. and W. 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.

57.20 Cross Wash, 50 lks. wide, Course S to N. and ascend.

79.90 Intersect the 6<sup>th</sup> Standard Parallel North at a point 8.00 chs. West of the Standard Cor. <sup>1/4 sec.</sup> on S. E. of Sec. 35 T. 25 N. R. 19 E. <sup>previously set by me.</sup> at which point I.

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Claim Cor. to Secs. 1 and 2 marked C. C. T. 24 N. R. 19 E., on S. S. 1 on E. and S. 2 on W. faces, with 1 notch on E. and 5 notch so on W. faces, dug pits 18 x 18 x 12 ins. S. E. W. of post,  $5\frac{1}{2}$  ft. dist. and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base around post.

Land mountainous

Soil 3<sup>rd</sup> rate

Timber of Juniper.

Vegetation. of bunchgrass and sagebrush.

W. S. Johnson July 17th 1883  
 carefully examined the adjustments of my solar  
 compass to-day, particularly the latitude and revers-  
 ing apparatus, and found them correct.



Township 24 N Range 19 E

Gila and Salt River Meridian.

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

Chains

North, between Sections 34 and 35.

Variation  $13^{\circ} 00'$  East.

Ascend.

40.00

Deposit: 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  $\frac{1}{2}$  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, 26, 27, 34 <sup>and 35</sup> marked T, 44 U.S., 26, on N, E, R, 19 E, S. 25 on S, E, S, 34 on S, W, and S, 27 on N, W, face, with 1 notch on S, and 2 notch on E, edges, dug pits  $18 \times 18 \times 12$  ins, in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base around post.

Land rolling.

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

Vegetation of bunch grass.

Timber of Juniper.

Township 24 N Range 19 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 26 and 35.  
 Variation 13° 38' East.

20.00 Ascend.

40.00 Set temporary 1/4 Sec. Cor.

62.00 Top of Butte, bear N. 50 E. and descend.

St. 26 Intersect N. & S. line. 24 lks. South of cor. to secs.

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

S. 89° 50' W. on a true line between sections 26 and 35.

Variation 13° 38' East

40.13 Set a basalt stone 16 x 9 x 5 ins., 11  
 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.  
 face, and raised a mound of stone. alongside. Pits  
 impracticable.

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

Land rolling.

Soil 3rd rate

Vegetation of bunchgrasses.

Township 24 M, BOOK 521 Range 19 E,

Gila and Salt River Meridian.

Chains North, between Sections 26 and 27.

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

80.00 Set a basalt stone 26 x 17 x 5 ins. 17 ins. in the ground for Cor. to Secs. 22, 23, 26<sup>th</sup> 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<sup>rd</sup> rate

Vegetation of bunchgrass and sagebrush.

Township 24 N. Range 19 E.

BOOK 521

Gila and Salt River Meridian.

Chains East, on a random line between Sections 23 and 26.  
Variation  $13^{\circ} 37'$  East.

*Ascend.*10.00 Enter rolling mesa, bears E.  $\frac{1}{2}$  W.40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.

80.02 Intersect N. &amp; S. line, 12 lks. south of cor. to secs.

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

S.  $89^{\circ} 55'$  W. on a true line between sections 23  $\frac{1}{2}$  W. 26.Variation  $13^{\circ} 39'$  East

40.01 Set a basalt stone, 16 x 16 x 6 ins., 11  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
face, and raised a mound of stone. Pits  
impracticable.

80.02 The corner to sections 22, 23, 26  $\frac{1}{2}$  W. 27.

Land rolling.

Soil  $4^m$  rateVegetation of bunchgrass  $\frac{1}{2}$  sagebrush.

Timber of Juniper.

Township

24 M

BOOK 521  
Range 19 E

16

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation

13° 37'

East.

*Ascend.*

32.25 Enter Mesa, bears E. and W.

40.00 Set a basalt stone 20 x 16 x 10 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 17 x 12 x 10 ins. 11 ins. in the ground for Cor. to Secs. 14, 16, 22<sup>nd</sup> & 23 marked with 3 notches on S. and 2 notches on E. edges and raised a mound of stone. Pits impracticable.

Land rolling.

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

Vegetation of bunch grass.

Timber of Juniper.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 30'$  East.*Over level land*40.00 Set temporary  $\frac{1}{2}$  Sec. Cor.79.82 Intersect N. & S. line, 18 fks. North of cor. to secs.  
13, 14, 22 & 23, from which corner, I run $N. 84^{\circ} 52' W.$  on a true line between sections 14 & 23,Variation  $13^{\circ} 30'$  East39.91 Set a basalt stone  $19 \times 12 \times 7$  ins., 14  
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.

79.82 The corner to sections 14, 15, 22 &amp; 23

*Land level.**Soil 3<sup>rd</sup> rate**Vegetation of bunchgrass.**Timber of Juniper.*

Township 2<sup>nd</sup> M Range 19<sup>th</sup> E.

Gila and Salt River Meridian.

Chains North, between Sections 14 and 15.  
Variation 13° 30' East.

*Over rolling land.*

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.

77.00 *Leave Mesa and descend*

80.00 Set a basalt stone 16 x 14 x 8 ins. 11 ins. in the ground for Cor. to Secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

*Land rolling.*

Soil 3<sup>rd</sup> rate

*Vegetation of bunch grass and sagebrush.*

*Timber of Juniper.*

Township 24 N

Range 19 E,

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

- 15.00 Top of Spur, bears N. and E. and descend.
- 40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.
- 67.20 Cross Wash, 25 lks. wide, Course N. 50° W. and ascend.
- 79.67 Intersect N. & S. line, 40 lks. North of cor. to secs.  
11, 12, 13 & 14, from which corner, I run  
N. 89° 43' W. on a true line between sections 11 and 14.  
Variation 13° 30' East
- 39.83 Set a Basalt stone 18 x 12 x 4 ins., 12  
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.
- 79.67 The corner to sections 10, 11, 14 and 15.  
Land mountainous.  
Soil poor rate  
Vegetation of bunchgrass & sagebrush.



Township

24 N

Range

19 E

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

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

Descend.

20.00 Cross Wash, 20 lks. wide, Course E, and 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  $\frac{1}{2}$  s. on N. face.

57.00 Cross Wash, 30 lks. wide, Course S.  $80^{\circ} W$  and ascend.

80.00 Set a post 4 ft. long 4 in. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 2, 3, 10 and 11, marked T, 24 N S, 2, on N, E, R, 19 E, S. 11 on S, E, S, 10 on S, W, and S, 3 on N, W, face, with 5 notch  $\epsilon_0$  on S, and 2 notch  $\epsilon_0$  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 good rate

Vegetation of bunchgrass and sagebrush.

Township

24 *M.*

Range

19 *E.*

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 30'$  East.*Ascend.*40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.

80.07 Intersect N. &amp; S. line, 16 lks. North of cor. to secs.

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

*N.*  $89^{\circ} 53'$  *W.* on a true line between sections 2 and 11.Variation  $13^{\circ} 30'$  East

40.03 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.

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

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass and sagelma.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

North, on a ~~random~~<sup>true.</sup> line between Sections 2 and 3.Variation  $1^{\circ} 30'$  East.*Descend.*

37.25 Cross Wash, 30 lks. wide, Course S. 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.

80.23 Intersect the 6<sup>th</sup> Standard Parallel North at a  
point 7.68 chs. West of the Standard Cor. on S. B.  
Sec. 34 T. 25 N. R. 19 E., <sup>1/4 sec</sup> previously set by me.  
at which  
point I.

Set a basalt stone 16 x 10 x 7 ins. 11 ins. in  
the ground for Closing Cor. to Secs. 2 and 3,  
marked C. C. with 2 notches on E. and 4 notches on  
W. edges and raised a mound of stone <sup>alongside.</sup> Pits imprac-  
ticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass &amp; Sagebrush.

Timber of Juniper.

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

G. W. Carson, Compassman.

Feb. 12<sup>th</sup> 1883.

23 Township 24 N. Range 19 E.

Gila and Salt River Meridian.

From the corner to sections, <sup>3, 4, 5, 6, 7, 8</sup> previously set by me.

Chains

North, between Sections 33 and 34.

Variation 130° 30' East.

Ascend.

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.

65.80 Top of Butte, has E.  $\frac{1}{2}$  land descend.

80.00 Set a lava stone 15 x 8 x 4 ins. 10 ins. in the ground for Cor. to Secs. 27, 28, 33 and 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 good rate

Vegetation of bunchgrass and sagelimon.

Township

24 *M*

Range

19 *E*,

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 30'$  East.*Ascend.*15.00 Top of Spur, bears  $N. 40^{\circ} E.$   $\frac{3}{4}$   $S. 40^{\circ} W.$  and descend.40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.71.88 Cross Wash, 35 lks. wide, Course  $S. 30^{\circ} W.$  and ascend.

80.32 Intersect N. &amp; S. line. 36 lks. North of cor. to secs.

26, 27, 34 <sup>50</sup> from which corner, I run $N. 89^{\circ} 45' W.$  on a true line between sections 27 <sup>and</sup> 34.Variation  $13^{\circ} 30'$  East

40.16 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.

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

Land mountainous.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass and saguaro

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation  $180^{\circ} 30'$  East.*Descend.*

19.00 Cross Wash, 40 lks. wide, Course S. 40° 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 basalt stone 16 x 9 x 5 ins. 11 ins. in  
the ground for Cor. to Secs. 21, 22, 27<sup>28</sup> and 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 of bunchgrass and sagebrush.

Township

24 *M.*

Range

19 *E.*

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 30'$  East.*Ascend.*20.75 Top of Spur, bears *M. and S.* and descend.40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.62.12 Cross Wash, 20 lks. wide, Course *S.* and ascend.79.87 Intersect N. & S. line, 30 lks. *W. of* cor. to secs.  
22, 23, 26 & 27 from which corner, I run*N. 89^{\circ} 47' W.* on a true line between sections 22 *and* 27.Variation  $13^{\circ} 37'$  East39.93 Set a basalt stone  $26 \times 25 \times 16$  ins., 19  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on *M.*  
*line*, and raised a mound of stone. alongside. **Pits**  
*impracticable.*79.87 The corner to sections 21, 22, 27 *and* 28.

Land mountainous

Soil *3<sup>rd</sup>* rateTimber of *Juniper.*Vegetation. of bunchgrass *and* sagebrush.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains North, between Sections 21 and 22.

Variation  $13^{\circ} 30'$  East.*Ascend.*18.00 *Top of Butte, bear N. 50° E. and descend.*

40.00 Set a basalt stone  $16 \times 12 \times 7$  ins., 11  
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  $25 \times 10 \times 10$  ins. 18 ins. in  
the ground for Cor. to Secs. N. 16, 21 and 22, marked  
with 3 notches on S. and 3 notches on E. edges and  
raised a mound of stone. alongside. Pits impracticable.

*Land rolling.**Soil 3<sup>m</sup> rate**Vegetation of bunchgrass.**Timber of Juniper.*



Township 24 N Range 19 E,

Gila and Salt River Meridian.

Chains East, on a random line between Sections 15 and 22.  
Variation  $13^{\circ} 40'$  East.

*Ascend.*

- 1.27 Enter nearly level Mesa.  
40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.  
80.09 Intersect N. & S. line. 11 lks. South of cor. to secs.  
14, 15, 22 & 23 from which corner, I run  
 $S. 89^{\circ} 55' W.$  on a true line between sections 15 <sup>and</sup> 22.  
Variation  $13^{\circ} 30'$  East  
40.04 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.  
90.09 The corner to sections 15, 16, 21 and 22.  
Land rolling.  
Soil *3rd rate*  
Vegetation of bunchgrass.  
Timber of Juniper.

Township 24 N. Range 19 E.

Gila and Salt River Meridian.

Chains North, between Sections 15 and 16.

Variation  $13^{\circ} 40'$  East.*Over rolling land.**15.09 Leave Mesa and descend.*

*40.00* Set a post 3 ft. long, 3 ins. diam. with marked stone  
 12 i. s. 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* A Juniper, 4 ins. dia, which I marked  
 T. 24 N. S. 10, on N. E. R. 19 E S. 15 on  
 S. E. S. 16, on S. W. and S. 9 on N. W. faces,  
 with 4 notches on S. and 3 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 around tree, for cor. to secs.

*9, 10, 15 and 16.**Land rolling.**Soil 3rd rate**Vegetation of bunchgrass.**Timber of Juniper.*

Township 24 N Range 19 E

Gila and Salt River Meridian.

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

Variation 13° 30' East.*Ascend.*40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.

S.D. 14 Intersect N. &amp; S. line, 16 lks. North of cor. to secs.

10, 11, 14 &amp; 15, from which corner, I run

N. 89° 53' W. on a true line between sections 10 and 15.

Variation 13° 30' East

40.07 Set a basalt stone 24 x 10 x 8 ins., 18  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
face, and raised a mound of stone. alongside. Pits  
impracticable.

S.D. 14 The corner to sections 9, 10, 15 and 16.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunch grass and sagebrush.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation  $13^{\circ} 30'$  East.*Descend.*10.50 Cross Wash, 45 lks. wide, Course  $N. 40^{\circ} W.$  and ascend.40.00 Set a basalt stone  $16 \times 8 \times 8$  ins., 11 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{2}$  on W. face, and raised a mound of stone. alongside. Pits impracticable.

77.00 Foot of Bluff.

80.00 Set a basalt stone  $30 \times 25 \times 6$  ins., 22 ins. in the ground for Cor. to Secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base. alongside.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass.

Timber of Juniper.

Township 24 N. Range 19 E.  
Gila and Salt River Meridian.

Chains East, on a random line between Sections 3 and 10.  
Variation  $13^{\circ} 30'$  East.

*Descend.*

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

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

79.67 Intersect N. & S. line, 28 lks. South of cor. to secs.  
2, 3, 10 & 11, from which corner, I run  
N.  $89^{\circ} 48'$  W. on a true line between sections 3 <sup>and</sup> 10,  
Variation  $13^{\circ} 30'$  East

39.83 Set a basalt stone  $26 \times 12 \times 4$  ins., 19  
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.

79.67 The corner to sections 3, 4, 9 <sup>and</sup> 10,  
Land rolling.

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

Vegetation of bunchgrass <sup>and</sup> vegetation

Township 24 *M.*Range 19 *E.*

Gila and Salt River Meridian.

Chains

North, on a ~~range~~ <sup>true.</sup> line between Sections 3 and 4.

Variation 130° 30' East.

*Ascend.*

40.00 Set a basalt stone 16 x 8 x 6 ins., 11 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.

80.39 Intersect the 6<sup>th</sup> Standard Parallel North at a point 7.30 chs. West of the Standard Cor. on S. 18. Sec. 33. T. 25 N. R. 19 E., <sup>1/4 sec.</sup> at which <sup>previously set by me.</sup> point I.

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ~~Clay~~ Cor. to Secs. 3 and 4 marked 6.6. T. 24 N. R. 19 E., on E. S. 3 on E. and S. 4 on W. faces, with 3 notch<sup>ed</sup> on E. and 3 notch<sup>ed</sup> on W. faces, dug pits 18 x 18 x 12 ins. S. E. & W. of post, 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base around post.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrasses &amp; sagebrush.

Timber of Juniper.

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. 13<sup>th</sup> 1883.

Township 24 N. Range 19 E.

Gila and Salt River Meridian.

From the corner to sections, <sup>on S. E. of Sp</sup> 4, 5, 32, 33 <sup>previously set by me.</sup>  
 Chains <sup>Sum</sup> North, between Sections 32 and 33.

Variation 130° 30' East.

Ascend.

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

60.00 Top of Ridge, bears E.  $\frac{1}{2}$  W. and descend.

80.00 Set a basalt stone  $19 \times 18 \times 10$  ins. 14 ins. in the ground for Cor. to Secs. 28, 29, 32 & 33, marked with  $\backslash$  notch on S. and  $\wedge$  notch on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass and sagelike.

Timber of Juniper.

Township 24 M

Range 19 E

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 38'$  East.*Descend.*40.00 Set temporary  $\frac{1}{2}$  Sec. Cor.

79.68 Intersect N. &amp; S. line, 27 lks. South of cor. to secs.

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

 $88^{\circ} 48'$  W. on a true line between sections 28<sup>Sec</sup> & 33.Variation  $13^{\circ} 38'$  East

39.84 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.

79.68 The corner to sections 28, 29, 32<sup>Sec</sup> & 33.

Land rolling.

Soil 3<sup>rd</sup> rateVegetation of bunchgrasses<sup>Sec</sup> & sagebrush.

Timber of Juniper.



Township

24 W.

Range

19 E.

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

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

Descend.

39.60 Cross Wash, 20 lks. wide, Course  $N. E.$  and ascend.

40.00 Set a lime stone  $16 \times 12 \times 4$  ins., 11 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on  $W$  face, dug pits  $18 \times 18 \times 12$  ins.,  $N.$  and  $S.$  of stone  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base, alongside.

80.00 Set a 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, 24 N. S, 21, on N, E, R, 19 E, S. 28 on S, E, S, 29 on S, W, and S, 20 on N, W, faces, with 2 notch  $\infty$  on S, and 4 notch  $\infty$  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 3<sup>rd</sup> rate

Vegetation of bunch grass and sagebrush.

Timber of Juniper.

Township

24 M.

Range

19 E.

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 30'$  East.*Descend.*9.00 Cross Wash, 20 lks. wide, Course  $\frac{1}{2}$  mile and ascend.40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.

79.79 Intersect N. &amp; S. line, 20 lks. South of cor. to secs.

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

S.  $89^{\circ} 51'$  W. on a true line between sections 21 and 28.Variation  $13^{\circ} 30'$  East

39.89 Set a basalt stone  $19 \times 12 \times 7$  ins., 14  
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.

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

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrasses and vegetation.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

13° 38'

East.

*Descend.*19.07 Cross Wash, 19 lks. wide, Course  $N.50^{\circ}W$  and ascend.

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

60.00 Cross Wash, 20 lks. wide, Course 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, 16, 17, 20 and 21,  
marked T, 24 N S, 16, on N, E, R, 19 E, S. 21  
on S, E, S, 20 on S, W, and S, 17 on N, W, faces,  
with 3 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<sup>rd</sup> rate

Vegetation of bunchgrass and sagebrush.

Timber of Juniper.

Chains

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

Variation 13° 35' East.

*Ascend.*

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

46.00 Descend. rocky ledge, bear N. and S.

60.00 Near head of Wash, course S. W.

79.47 Intersect N. & S. line, 17 lks. South of cor. to secs.

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

S. 89° 53' W. on a true line between sections 16 and 21.

Variation 13° 40' East

39.79 Set a basalt stone 20 x 20 x 20 ins., 15 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.

79.47 The corner to sections 16, 17, 20 and 21.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass and sagebrush.

Timber of Juniper.

Township 24 N. Range 19 E.  
Gila and Salt River Meridian.

Chains North, between Sections 16 and 17.

Variation 13° 30' East.

*Ascend.*

28.00 Top of Spur, bears E.  $\frac{3}{4}$  W. 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.

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 <sup>and</sup> 17,  
marked T, 24 N, 9, on N, E, R, 19 E, S. 16  
on S, E, S, 17 on S, W, and S, 8 on N, W, faces,  
with H notch  $\infty$  on S, and 4 notch  $\infty$  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 good rate

Vegetation of bunchgrasses and sagebrush.

Township 24 North, Range 19 E,

Gila and Salt River Meridian.

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

Variation  $13^{\circ} 30'$  East.*Ascend.*38.00 Enter Wash, 40 lks. wide, course  $21.80^{\circ} W.$ 40.00 Set temporary  $\frac{1}{2}$  Sec. Cor.44.80 Lean Wash, 40 lks. wide, course  $S. 75^{\circ} W.$ 

79.89 Intersect N. &amp; S. line. 8 lks. North of cor. to secs.

9, 10, 15  $\frac{1}{2}$ , from which corner, I run $21.89^{\circ} 57' W.$  on a true line between sections 9 and 16.Variation  $13^{\circ} 30'$  East

39.94 Set a basalt stone  $15 \times 12 \times 6$  ins., 10  
 ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on  $\mathcal{N}$ .  
 face and raised a mound of stone. alongside. **Pits**  
 impracticable.

79.89 The corner to sections 8, 9, 16 and 17.

Land rolling.

Soil 3rd rate.

Vegetation of bunchgrass and sagebrush.

Township 24 W. Range 19 E.  
Gila and Salt River Meridian.

Chains North, between Sections 8 and 9.

Variation 130° 30' East.

*Descend.*

*4.10* Cross Wash, 30 lks. wide, Course  $S. 75^{\circ} W.$  and ascend.

*40.00* Set a basalt stone  $17 \times 8 \times 6$  ins., 11 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. Cor. set at foot of Butte, *ran E. and W. and ascend*

*66.00* Top of Butte *ran N. 75° E. and descend.*

*80.00* Set a basalt stone  $16 \times 9 \times 8$  ins., 11 ins. in the ground for Cor. to Secs. 4, 5, 8 and 9, marked with  $\sigma$  notch  $E_0$  on S. and  $\llcorner$  notch  $E_0$  on E. edges and raised a mound of stone. *alongside.* Pits impracticable.

*Land mountainous.*

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

*Vegetation of bunchgrass and sagebrush.*

Township

24 N.

Range 19 E.

Gila and Salt River Meridian.

Chains

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

Variation  $130^{\circ} 30'$  East.

Ascend.

16.00 Top of Bluff, cross N. line and descend.

40.00 Set temporary  $\frac{1}{2}$  Sec. Cor.80.14 Intersect N. & S. line, 36 lks. North of cor. to secs.  
3, 4, 9 & 10 from which corner, I runN.  $89^{\circ} 45'$  W. on a true line between sections 4 and 9.Variation  $130^{\circ} 30'$  East40.07 Set a basalt stone  $16 \times 9 \times 7$  ins., 11 ins.  
in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on N. face,  
dug pits  $18 \times 18 \times 12$  ins., E and W. of stone  $5\frac{1}{2}$   
ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$   
ft. base alongside.

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

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrasses and sagebrush.



Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

North, on a <sup>true</sup> ~~random~~ line between Sections 4 and 5.Variation  $13^{\circ} 30'$  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 W. face.

47.27

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

79.78

Intersect the 6<sup>th</sup> Standard Parallel North at a point 7.62 chs. West of the Standard Cor. on S. 18. Sec. 32. T. 25 N. R. 19 E. <sup>1/4 sec.</sup> at which <sup>previously set by me.</sup> point I.

Set a basalt stone  $20 \times 10 \times 4$  ins. 15 ins. in the ground for Closing Cor. to Secs. 4 and 5, marked C. C. with 4 notches on E. and 2 notches on W. edges and raised a mound of stone <sup>alongside.</sup> Pits impracticable.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass.

Timber of Juniper.

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

S. M. Carson, Compassman. Feb. 13<sup>th</sup> 1883.

Township 24 N. Range 19 E.

BOOK 521

Gila and Salt River Meridian.

From the corner to sections, 5, 6, 31 & 32 <sup>from</sup> ~~previously~~ set by me.

Chains North, between Sections 31 and 32.

Variation  $18^{\circ} 38'$  East.

Ascend.

38.76 Top of Butte, bear E. &amp; W. and descend.

40.00 Set a basalt stone  $19 \times 10 \times 5$  ins., 14 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  $27 \times 20 \times 8$  ins. 19 ins. in the ground for Cor. to Secs. 29, 30, 31 & 32, marked with / notch on S. and J notch on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil good rate

Vegetation of bunchgrasses and sagebrush.

Timber of Juniper

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

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

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

Over level land

33.00 <sup>trans  $24.80^{\circ}$  W.  $24.80^{\circ}$  S.  $80^{\circ}$  E.</sup> down Butte, and descend40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.

79.87 Intersect N. &amp; S. line, 17 lks. South of cor. to secs.

28, 29, 32 ~~33~~ from which corner, I runS.  $89^{\circ} 53'$  W. on a true line between sections 29 and 32.Variation  $13^{\circ} 38'$  East

39.93 Set a <sup>base</sup> et stone  $30 \times 30 \times 20$  ins., 22  
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.

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

Land level. and rolling.

Soil 3<sup>rd</sup> - 4<sup>th</sup> rate

Vegetation of bunchgrass

Timber of juniper.

W. P. Johnson.

Feb. 14<sup>th</sup> 1883.

47 Township 24 N. Range 19 E.  
Gila and Salt River Meridian.

Chains

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

Variation  $130^{\circ} 26'$  East.*Descend.*36.50 *Lean top of Butte.*40.00 *Set temporary  $\frac{1}{4}$  Sec. Cor.*

76.90 *Intersect W. B. of Tp. 16 lks. North of cor. to secs.  
previously set by me.  
20, 30, 31 & 36, from which corner, I run*

*71.  $89^{\circ} 53' E.$  on a true line, between sections 30 and 31.*

Variation  $130^{\circ} 20'$  East.

36.90 *Set a basalt stone  $14 \times 10 \times 4$  ins., 9  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
face, and raised a mound of stone. alongside. Pits  
impracticable.*

76.90 *The corner to sections 29, 30, 31 and 32.**Land rolling.**Soil 4<sup>th</sup> rate**Vegetation of bunchgrass and sagebrush.**Timber of Juniper.**G. M. Carson. Compassman.**Feb. 14<sup>th</sup> 1883.*

Township 24 N. Range 19 E.

Gila and Salt River Meridian.

Chains North, between Sections 29 and 30.  
Variation  $13^{\circ} 26'$  East.

Over rolling land.

16.13 Descend. Iron Butte.

40.00 Set a basalt stone  $27 \times 25 \times 22$  ins., 20 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 post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 19, 20, 29 <sup>20</sup> 30, marked T, 24 N S, 20, on N, E, R, 19 E, S. 29 on S, E, S, 30 on S, W, and S, 19 on N, W, faces, with 2 notches on S, and 5 notches on E, edges, dug pits  $18 \times 18 \times 12$  ins, in each Sec.,  $5\frac{1}{2}$  ft, dist., and raised a mound of earth 2 ft, high,  $4\frac{1}{2}$  ft, base around post.

Land rolling.

Soil 3rd rate

Vegetation of bunchgrass.

Timber of Juniper.

Township 24 N Range 19 E

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 30'$  East.*Descend.*40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.S.D. 32 Intersect N. & S. line, 11 lks. North of cor. to secs.  
20, 21, 28 & 29 from which corner, I run $N. 89^{\circ} 55' W.$  on a true line between sections 20 and 29.Variation  $13^{\circ} 30'$  East40.16 Set a basalt stone  $23 \times 15 \times 8$  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.

S.D. 32 The corner to sections 19, 20, 29 and 30.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass and sagebrush.

Timber of Juniper.

A. P. Johnson. Feb. 14<sup>th</sup> 1888.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

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

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

Ascend.

40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.76.75 Intersect W.B. of Tp. 20 lks. South of cor. to secs.  
previously set by me.19, 24, 25 ~~30~~ from which corner, I runS.  $89^{\circ} 51' E.$  on a true line, between sections 19 <sup>and</sup> 30.Variation  $13^{\circ} 20'$  East.36.75 Set a basalt stone  $20 \times 16 \times 10$  ins., 15  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
face, and raised a mound of stone. Pits  
impracticable.76.75 The corner to sections 19, 20, 29 <sup>and</sup> 30.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunchgrass and sagebrush.

Timber of Juniper.

S. W. Carson, Comptroller.

Feb. 14<sup>th</sup> 1883.

Township

24 N

Range

19 E

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation  $13^{\circ} 30'$  East.*Descend.*5.60 Cross Wash, 20 lks. wide, Course  $U. E.$ , 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 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, 24 N, S. 17, on N, E, R, 19 E, S. 20  
on S, E, S, 19 on S, W, and S, 18 on N, W, faces,  
with 3 notches on S, and 5 notch  $\infty$  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 of bunchgrass and sagebrush.*  
A. P. Johnson. Feb. 14<sup>th</sup> 1883.



Township 24 N. Range 19 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 17 and 20.  
Variation  $13^{\circ} 30'$  East.

Descend.

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

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

St. 41 Intersect N. &amp; S. line, 31 lks. West of cor. to secs.

16, 17, 20 &amp; 21, from which corner, I run

N.  $55^{\circ} 47'$  W. on a true line between sections 17 & 20.Variation  $13^{\circ} 30'$  East

40.20 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.

St. 41 The corner to sections 17, 18, 19 and 20.

Land rolling.

Soil good rate

Vegetation of bunchgrass and sagebrush.

A. P. Johnson. Feb. 14<sup>th</sup> 1883.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 38'$  East.*Ascend.*40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.50.00 Top of Butte, *var. N.S.* and descend.76.71 Intersect *W.B.* of Tp. 6 lks. North of cor. to secs.  
previously set by me.  
13, 18, 19 & 24, from which corner, I run*N.  $89^{\circ} 57' E.$  on a true line, between sections 18<sup>th</sup> & 19.*Variation  $13^{\circ} 28'$  East.36.71 Set a *vacat* stone  $23 \times 20 \times 4$  ins., 17  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on *N.*  
face, and raised a mound of stone. *alongside.* Pits  
*impracticable.*

76.71 The corner to sections 17, 18, 19 &amp; 20

*Land rolling.**Soil poor rate**Vegetation of bunchgrass and sagelush.**G. W. Carson, Compassman.**Feb. 14<sup>th</sup> 1883.*

Township

24

M.

Range

19 E.

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation

18° 30'

East.

Descend.

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.

71.19

Cross Wash, 35 yds. wide, Course S 65° 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, 7, 8, 17 and 18, marked T, 24 N, S, 8, on N, E, R, 196, S. 17 on S, E, S, 18 on S, W, and S, 7 on N, W, face, with 4 notches on S, and 5 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec.,  $5\frac{1}{2}$  ft. dist., and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base around post.

Land rolling.

Soil 300 rate

Vegetation of bunchgrass and sagelmsh.

Township

24 M.

Range

19 E.

Gila and Salt River Meridian.

Chains

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

Variation  $13^{\circ} 38'$  East.*Ascend.*40.00 Set temporary  $\frac{1}{4}$  Sec. Cor.68.20 Cross Wash, 35 lks. wide, Course  $60^{\circ}$  and ascend.

79.98 Intersect N. &amp; S. line, 26 lks. South of cor. to secs.

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

a  $89^{\circ} 49'$  W. on a true line between sections 8 and 17.Variation  $13^{\circ} 38'$  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., 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.

79.98. The corner to sections 7, 8, 17 and 16.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunch grass and sagebrush.

W. P. Johnson. Feb. 14<sup>th</sup> 1883.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

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

Variation

180° 38'

East.

Descend.

40.00

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

76.62

Intersect  $\frac{1}{2}$  B. of Tp. 21 Ns. South of cor. to secs.  
previously set by me.  
7, 12, 13 & 18, from which corner, I run

D. 59° 51' E. on a true line, between sections 7 and 18.

Variation

120° 20'

East.

36.62

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. X 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.

76.62

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

Land rolling.

Soil

3<sup>rd</sup>

rate

Vegetation of bunchgrass and sagebrush.

S. M. Carson, Compassman.

Feb. 14<sup>th</sup> 1883.

Township

24 N

Range

19 E

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation  $130^{\circ} 38'$  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.
- 80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 5, 6, 7 and 8, marked T, 24 N S. 5, on N, E, R, 19 E, S. 8 on S, E, S, 7 on S, W, and S, 6 on N, W, faces with S notch  $\infty$  on S, and S notch  $\infty$  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 of bunchgrass and sagebrush.

Township

24 N.

Range

19 E.

Gila and Salt River Meridian.

Chains

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

Variation  $130^{\circ} 38'$  East.

Ascend.

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

60.00 Ascend. abruptly,

80.52 Intersect N. &amp; S. line. 19 lks. South of cor. to secs.

4, 5, 6 &amp; 7, from which corner, I run

S.  $84^{\circ} 52' W.$  on a true line between sections 5 and 8.Variation  $130^{\circ} 38'$  East

40.26 Set a basalt stone  $24 \times 16 \times 10$  ins., 18 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N. face, and raised a mound of stone. alongside. Pits impracticable.

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

Land rolling.

Soil  $3^{\text{rd}}$  rate

Vegetation of bunchgrass and 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. 14<sup>th</sup> 1882.

Township

24 N.

Range

19 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.

76.83 Intersect W. B. of Sp. 40 lks. North of cor. to secs. previously set by me.

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

N.  $89^{\circ} 43' E.$  on a true line between sections 6 and 7.

Variation  $13^{\circ} 20'$  East

76.83 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.

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

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation of bunch grass and sagebrush.



Township

24 M

Range

19 E,

Gila and Salt River Meridian.

Chains

North, on a <sup>true.</sup> ~~random~~ line between Sections 5 and 6.

Variation

13° 30'

East.

*Descend.*

39.00 Cross Wash, 20 lks. wide, Course S 80° 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 E. 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.

80.07 Intersect the 6<sup>th</sup> Standard Parallel North at a point 8.29 chs. West of the Standard Cor. on S. B. Sec. 31. T. 25 N. R. 19 E, <sup>14 sec.</sup> at which point I. previously set by me.

Set a basalt stone 16 x 11 x 6 ins. 11 ins. in the ground for Closing Cor. to Secs. 5 and 6 marked C. C. with 5 notches on E. and 1 notch on W. edges and raised a mound of stone. <sup>alongside.</sup> Pits impracticable.

Land rolling.

Soil 3<sup>m</sup> rate

Vegetation of bunchgrasses and sagebrush.

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

S. M. Carson, Compassman, Feb. 14<sup>th</sup> 1883.

## GENERAL DESCRIPTION.

This Township contains nearly every variety of land.

The N. E. and N. W. parts are rough and broken by high ridges and gulches; on the tops of the ridges are small Meads, with good soil, producing bunchgrass and a good growth of Juniper timber.

Along the washes and drains, are small valleys, comprising the best part of the township. The soil is good and suitable for agricultural purposes. Good grass and a scattering growth of Juniper are found in all these valleys.

Indian settlements are also in these valleys.

There are several springs in the southern part of sec. 31.

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For Trial Oath see  
Book 19-

U. S. Surveyor General's Office,  
Tucson, Arizona, July 26, 1882,

The foregoing Field Notes of the survey of the  
Subdivisions of Townships  
24 North Range 19 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. Robinson

Surveyor General.