

Book No. 5

Indexed

A. D. Johnson,

Deputy Surveyor.

T. *24 North* R. *20 East,*

Gila and Salt River Meridian.

BOOK 522

FIELD NOTES

OF

No. 522

THE SUBDIVISION LINES OF

Township *24 N.*, Range *20 E.*

522

Gila and Salt River Meridian.

522

BY

A. D. Johnson

Deputy Surveyor.

Under his Contract of *Aug. 5,* 188*2,*

Survey Commenced *Feb. 8,* 188*3*

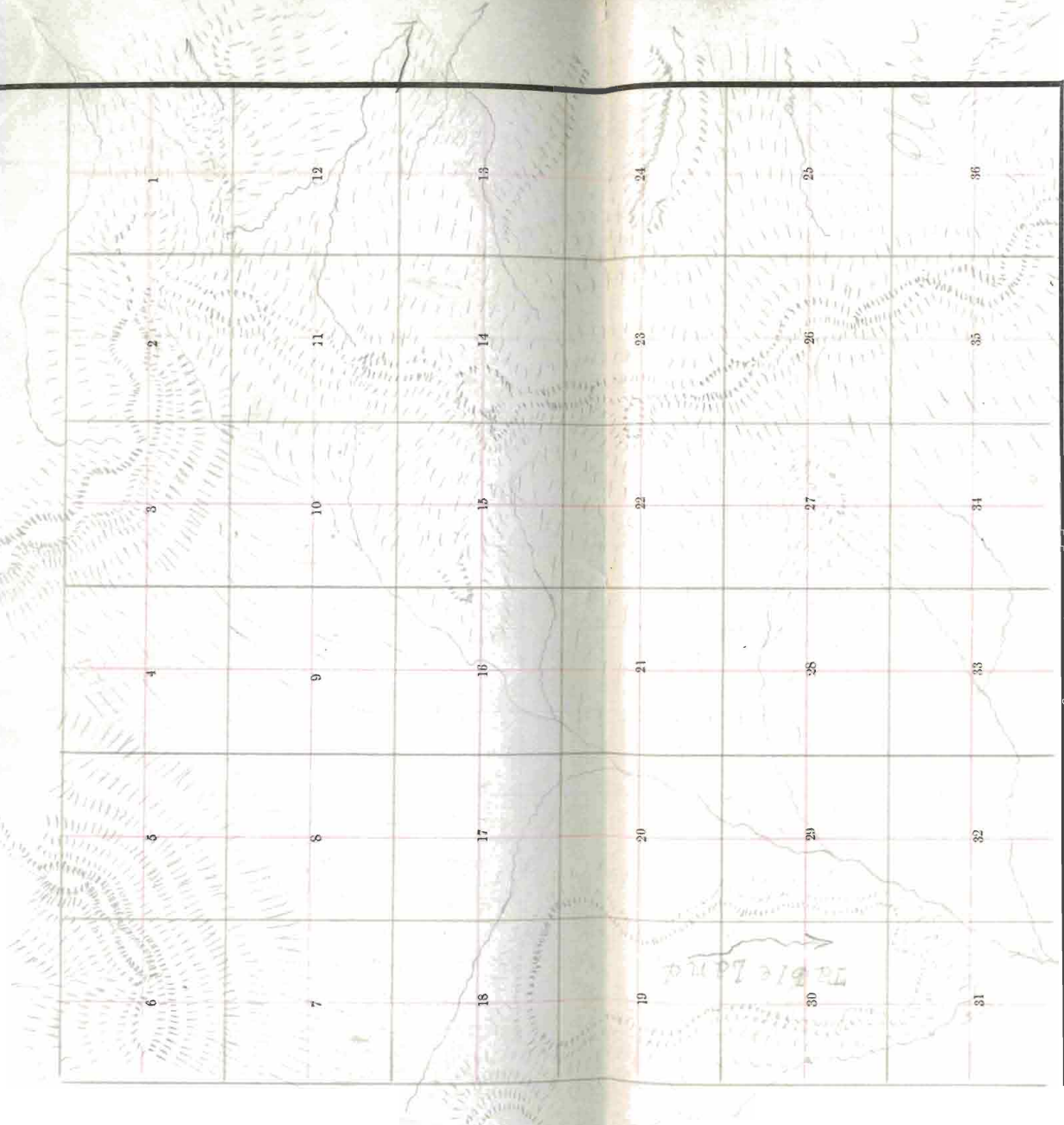
Survey Completed *Feb. 10,* 188*3.*

*Platted,
Copied for Washington,
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No. 472

Township No. *11 N* Range No. *10 E* Meridian.

BOOK 522



TOWNSHIP PLOT

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

Office Work.

No. 472

1

A. P. Johnson, Deputy Surveyor.
T. *24 North,* **R.** *20 East,*
 Gila and Salt River Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *24 N,* Range *20 E*
 Gila and Salt River Meridian.

BY

A. P. Johnson, Deputy Surveyor.

Under his Contract of *Aug. 5,* 1882.

Survey Commenced *Feb. 8,* 1883.

Survey Completed *Feb. 10,* 1883.

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

BOOK 522

Township *24 North*, Range *20 East*,
Gila and Salt River Baseline 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
55		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.

BOOK 522

Township

Range

Meridian.

For Preliminary Data
& description of instrument
used see Book No. 1

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

1B
1

Township 24 North Range 20 East

(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 13° 29' East.

Ascend.

20.00 Top of Ridge, bears N. 80° W. 93.30' 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
N. face, dug pits, 18 x 18 x 12 ins., N. and S. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around post.

Ascend.

80.00 Deposited a marked stone, 12 ins. in the ground, for
cor to secs. 25-26-35-36, dug pits 18x18x12
ins in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of
earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove
a stake 2 ins. square, 2 ft. long, 12 ins; in the ground,
marked T24N. S. 25 on N. E. R. 20 E. S. 36 on
S. E. S. 35 on S. W and S. 26 on N. W faces,
with / notch on S. and / notch on E. edges.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Timber of Juniper.

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation

East.

Descend.

40.00

Set temporary $\frac{1}{4}$ Sec. Cor. in low day and ascend.

79.40

Intersect C. B. of Tp. 35 Ns. ^{previously set by me.} South of cor. to secs.

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

S. 89° 44' N. on a true line, between sections 25-36.

Variation 14° 30' East.

39.70

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.

79.40

The corner to sections 25-26-35-36.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation

13°30'

East.

Ascend.

40.00

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

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 23-24-25-26, marked T, 24 N. S. 24, on N, E, R, 20 E., S. 25 on S, E, S, 26 on S, W, and S, 23 on N, W, face with 2 notches on S, and 1 notch on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

Timber of

Juniper.

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Descend. gradually

40.00

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

'79.54

Intersect C. B. of Tp. 8 N. S. of cor. to secs.
previously set by me.

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

S. 89° 57' W. on a true line, between sections 24-25,

Variation

14° 30'

East.

39.77

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. C and N 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 C pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N face.

'79.54

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

Land rolling.

Soil

3rd rate

Vegetation, Bunchgrass.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation

13°30'

East.

Over rolling land.

40.00 Set a Basalt stone 13 x 9 x 4 ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone. *along* *at*. 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. 13-14-23-24, marked T. 24 N, S. 13, on N. E., R. 20 E, S. 24 on S. E., S. 23 on S. W, and S. 14 on N. W. face, with 3 notches on S. and 1 notch on E. edges; and raised a mound of stone 2 ft. high, 4 $\frac{1}{2}$ ft. base around post. Pits impracticable. *from which*

A Juniper 8 ins. diam. bears N. 58° W. 52 lks. dist. marked T. 24 N, R. 20 E, S. 14 B. T.

No other trees within limits.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Timber of Juniper.

Township 24 N.

Range 20 E.

Gila and Salt River Meridian.

Chains

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

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

Descend. gradually.

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

50.00 ~~Descend.~~ *becomes abrupt.*

79.83 Intersect *E. B. of Tp. 42* *1/4* *South* of cor. to secs. *previously set by me.*
 13-18-19-24 from which corner, I run

S. 59 $42'$ *W.* on a true line, between sections 13-24.

Variation $14^{\circ}30'$ East.

39.92 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.

79.83 The corner to sections 13-14-23-24.

Land rolling.

Soil *3rd* rate

Vegetation; *Bunchgrass.*

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

Variation

13° 30'

East.

Descend.

34.50 Cross Wash, 50 lks. wide, Course N 80° E, and ascend.

140.00 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., 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.

from which

A Pine 7 ins. diam. bears S. 13° E, 45 lks. dist.

marked $\frac{1}{4}$ S. B. T.

No other trees within limits.

80.00

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

12 ins. in the ground, for Cor. to Secs, 11-12-13-14,

marked T 24 N, S, 12, on N, E, R, 20 E., S. 13

on S, E, S, 14 on S, W, and S, 11 on N, W, face

with \llcorner notches on S, and \lrcorner 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.

from which

A Pine 8 ins. diam. bears S. 72° W. 69 lks. dist.

marked T 24 N, R. 20 E S., 14 B. T.

No other trees within limits.

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

Timber of

Pine and Juniper.

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Descend.

39.00 Ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.95 Intersect C. B. of Tp. 12 ^{1/2} mks. mark of cor. to secs.
previously set by me.

7-12-13-14, from which corner, I run

N. 89° 55' W. on a true line, between sections 12-13.

Variation 14° 30' East.

39.98 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.

79.95 The corner to sections 11-12-13-14,

Land rolling.

Soil

3rd rate

Vegetation, Bunchgrass.

Timber of Juniper.

9 Township *24 N.*

Range *20 E.*

Gila and Salt River Meridian.

Chains North, between Sections 11 and 12.

Variation *13° 30'* East.

Descend.

36.11 Cross Wash, *5* - *0* lks. wide, Course *S. 85° E.* and ascend.

40.00 Set a *Lava* stone *16 x 8 x 6* ins.!!
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.

from which
A Pine *8* ins, diam. bears *S. 61° E.*, *20* lks. dist.
marked $\frac{1}{4}$ S. B. T.

No other trees within limits.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone
12 ins. in the ground, for Cor to Secs. *1-2-11-12*,
marked *T. 24 N. S. 1*, on *N. E.*, *R. 20 E.*, *S. 12*
on *S. E.*, *S. 11* on *S. W.*, and *S. 2* on *N. W.* face,
with *5* notches on *S.* and *1* notch on *E.* edges;
and raised a mound of stone 2 ft. high, *4 1/2* ft. base
around post. Pits impracticable.

Land rolling.

Soil *3rd* rate
Vegetation, *Bunchgrass.*
Timber of *Pine,*

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Descend.

15.12 Cross Wash, 50 fms. wide, Course South and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.S.O. 34 Intersect C, B. of Tp. 40 fms. ^{North} of cor. to secs.
1-6-7-12, ^{previously set by me.} from which corner, I run

N 89° 43' W on a true line, between sections 1-12,

Variation 14° 30' East.

40.17

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

S.O. 34 The corner to sections 1-2-11-12,

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township 24 N., Range 20 E.

Gila and Salt River Meridian.

Chains North, on a ~~random~~^{true} line between Sections 1 and 2.
Variation 13° 30' East.

Descend.

21.00 Cross Wash, 12 lks. wide, Course East 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.

58.30 Top of Ridge, bears E. & W. and descend.

80.75 Intersect the 6th Standard Parallel North at a
point 10.54 chs. West of the Standard Cor. to on
Secs. 1, 2, 3, 4 and Sec. 35, T. 25 N., R. 20 E., ^{previously set by me.} at which
point I.

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the
ground, for Ching Cor. to Secs. 1 and 2 marked C.C.
T. 24 N., R. 20 E., on S. 1 on E, and S. 2 on
W faces, with 1 notch on E and 5 notches
on W faces, dug pits 18 x 18 x 12 ins. S. & 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 3rd rate

Timber of Juniper.

Vegetation. Bunchgrass.

I carefully examined the adjustments of my solar
compass to-day, particularly the latitude and revers-
ing apparatus, and found them correct
F. G. Johnson Feb. 5, 1888.

Township

24 N.

BOOK

522

Range

20 E.

12

Gila and Salt River Meridian.

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

North, between Sections 34 and 35.

Chains

Variation

13°40'

East.

Ascend.

40.00

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. S. and N 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 $16 \times 4 \times 3$ ins. in the ground for Cor. to Secs. 26-27-34-35 marked with / notch on S. and 2 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil.

3rd rate

Vegetation, Bunchgrass.

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

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

60.13 Top of Ridge, bears N 40° W. 9 S. 40° E. and descend.

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

25-26-35-36 from which corner, I run

N. 89° 49' W. on a true line between sections 26-35.

Variation

13° 30'

East

40.22 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.

80.43 The corner to sections 26-27-34-35.

Land mountainous.

Soil

3rd rate

Vegetation, Bunchgrass.

Township 24 N,

Range 20 E,

No. 472

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation

13° 30'

East.

~~Ascend.~~
Ascend.

36.00 Cross Wash, 15 fks. wide, Course S. 80° 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
N. face, dug pits, 18 x 18 x 12 ins., N and S. of
post 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft.
high, 3 $\frac{1}{2}$ ft. base around post.

80.00

Set a Basalt stone 16 x 12 x 4 ins. 11 ins. in
the ground for Cor. to Secs. 22-23-26-27 marked
with 2 notch ~~on~~ on S. and 2 notches on E. edges and
raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township 24 N., Range 20 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 23 and 26.
Variation $13^{\circ}30'$ East.

Ascend.

18.00 Top of Ridge, bears N. 67 S. W. and descend.

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

St. 58 Intersect N. & S. line, 35 lks North of cor. to secs.

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

N 89 45' W. on a true line between sections 23-26,

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

40.29 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. 58 The corner to sections 22-23-26-27.

Land mountainous

Soil 3rd rate

Timber of Juniper

Vegetation., Bunchgrass.

BOOK 522
Township 24 N, Range 20 E,

16

Gila and Salt River Meridian.

Chains North, between Sections 22 and 23.
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
N. face, dug pits, 18 x 18 x 12 ins., N and S. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around post.

41.50 Top of Spur, bears N. 85° W. 9 S. 75' 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, 14-15-22-23,
marked T 24 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 mountainous.

Soil

3rd rate

Vegetation,

Bunchgrass.

Timber of

Juniper.

17 Township 24 N, Range 20 E,
Gila and Salt River Meridian.

Chains East, on a random line between Sections 14 and 23.
Variation $13^{\circ}30'$ East.

Ascend.

16.12 Top of Ridge, bears $N.10^{\circ}W. \& S.10^{\circ}E$ and descend.

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

79.95 Intersect N. & S. line, 14 *lbs* Sink of cor. to secs.

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

$S.89^{\circ}54'$ W. on a true line between sections 14-23.

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

39.98 Set a Lava stone $14 \times 8 \times 8$ 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.

74.45 The corner to sections 14-15-22-23.

Land mountainous.

Soil 3^{rd} rate

Vegetation, Bunchgrass.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation

13° 30'

East.

Ascend.

35.00 Top of Ridge, bears N. 15° W. 9 S. 15 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.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone
 12 ins. in the ground, for Cor. to Secs. 10-11-14-15,
 marked T. 24 N. S. 11, on N, E, R, 20 E, S. 14
 on S, E, S, 15 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 mountainous

Soil

3rd rate

Timber of.

Juniper

Vegetation.,

Bunchgrass.

19 Township 24 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.

Ascend.

30.00 Top of Ridge, bears $N.20^{\circ}E. \ 9S.20^{\circ}W$ and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

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

 $59^{\circ}49'$ W. on a true line between sections 11-14,Variation $13^{\circ}30'$ East

39.79 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.

79.57 The corner to sections 10-11-14-15,

Land mountainous

Soil 3rd rate

Timber of Juniper

Vegetation, Bunchgrass.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation

13° 30'

East.

Descend.

19.00 Cross Wash, 12 lks. wide, Course West 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.

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, 24 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 2 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base around post.

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains East, on a random line between Sections 2 and 11.
Variation 13° 30' East.

Ascend.

40.00 Set temporary 1/4 Sec. Cor.

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

74.91 Intersect N. & S. line, 12 lks. South of cor. to secs.
1-2-11-12 from which corner, I run

S 89° 55' W. on a true line between sections 2-11.

Variation 13° 30' East

34.96 Set a Basalt stone 30 x 18 x 4 ins., 22
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.
face, and raised a mound of stone. alongside. Pits
impracticable.

from which

A Pine 8 ins, diam. bears S. 58° W, 30 lks. dist.
marked 1/4 S. B. P.

No other trees within limits.

74.91 The corner to sections 2-3-10-11.

Land mountainous

Soil 3rd rate

Timber of Pine.

Vegetation, Bunchgrass.

Township 24 N., Range 20 E.

Gila and Salt River Meridian.

Chains

North, on a ^{true.} random line between Sections 2 and 3.

Variation 13° 30' East.

Descend.

6.00 Cross low Sag 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.

41.12 Top of Ridge, bears E. & W. and descend.
 50.60 Intersect the 6th Standard Parallel North at a point 10.87 chs. West of the Standard Cor. to on Secs S. 2 of and Sec. 34 T. 25 N. R. 20 E. ^{previously set by me} at which point I.

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Chimney Cor. to Secs. 2 and 3 marked C.C. T. 24 N. R. 20 E., on S. 2 on E., and S. 3 on W. faces, with 2 notches on E. and 4 notches on W. faces, dug pits 18 x 18 x 12 ins. 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 3rd rate

Vegetation, Bunchgrass.

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

G. W. Carson, Compassman, Feb. 5, 1885.

Township 24 N.Range 20 E.

Gila and Salt River Meridian.

~~From the corner to sections, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000~~ *ridiculously set by me.*

Chains North, between Sections 33 and 34.

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

Descend.

29.50 Cross Wash, 30 fms. wide, Course S.W. and ascend.

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

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

72.18 Cross Wash, 16 fms. wide, Course S.W. and ascend.

80.00 Set a *Sara* stone 2x2x5 ins. 19 ins. in the ground for Cor. to Secs. 27-28-33-34 marked with 1 notch on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Descend.

8.00 Cross low Sag and ascend.

38.00 ^{Continue} Descend.

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

58.11 Cross Wash, 30 lks. wide, Course S. 25° W and ascend.

79.84 Intersect N. & S. line, 47 lks. ^{Mark} of cor. to secs.

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

N. 89° 40' W. on a true line between sections 27-34.

Variation 13° 30' East

39.92 Set a Basalt stone 15 x 8 x 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.

79.84 The corner to sections 27-28-33-34.

Land rolling.

Soil

3rd rate

Vegetation

Bunchgrass.

Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains North, between Sections 27 and 28.

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

Ascend.

31.10 Top of Spur, bears $N 84^{\circ} N. 9 S. 84^{\circ} E$ and descend.

40.00 Set a Sand stone $16 \times 8 \times 6$ 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.

50.12 Cross low Sag 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, 21-22-27-28,
 marked T, 24 N, S, 22, on N, E, R, 20 E, S, 27
 on S, E, S, 28 on S, W, and S, 21 on N, W, face
 with 2 notches on S, and 3 notches on E, edges,
 dug pits $18 \times 18 \times 12$ 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 mountainous.

Soil 2nd rate

Vegetation, Bunchgrass.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Ascend.

40.00

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

79.67

Intersect N. & S. line. 15 *lks South* of cor. to secs.
22-23-26-27 from which corner, I run

S 89° 54' W. on a true line between sections 22-27.

Variation 13° 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.

79.67

The corner to sections 21-22-27-28,

Land rolling.

Soil

3rd rate

Vegetation

Bunchgrass.

Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains North, between Sections 21 and 22.

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

Ascend.

40.00 Set a Basalt stone $16 \times 12 \times 5$ ins. //
 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 Set a post 4 ft. long, 4 ins. square, with marked stone
 12 ins. in the ground, for Cor. to Secs, 15-16-21-22,
 marked T24N. S, 15, on N, E, R, 20 E, S. 22
 on S, E, S, 21 on S, W, and S, 16 on N, W, face
 with 3 notches on S, and 3 notches on E, edges,
 dug pits $18 \times 18 \times 12$ 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, Bunchgrass & Sagebrush.

Township

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

79.58 Intersect N. & S. line. 25 lks. Mark of cor. to secs.

14-15-22-23 from which corner, I run

N. $89^{\circ}49'$ W. on a true line between sections 15-22.Variation $13^{\circ}30'$ East

39.79 Set a Basalt stone $16 \times 9 \times 8$ 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.

79.58 The corner to sections 15-16-21-22.

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass & Sagebrush.

Township 24 N., Range 20 E.

Gila and Salt River Meridian.

Chains North, between Sections 15 and 16.

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

Descend.

6.50 Cross Wash, 25 lks. wide, Course $S. 40^{\circ} N$ 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
N. face, dug pits, 18 x 18 x 12 ins., N and S. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around post.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone
12 ins. in the ground, for Cor. to Secs, 9-10-15-16,
marked T. 24 N. S. 10, on N, E, R, 20 E., S. 15
on S, E, S, 16 on S, W, and S, 9 on N, W, face
with 4 notches on S, and 3 notches on E, edges,
dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist.,
and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
around post.

from which

A Juniper 15 ins. diam. bears N. $85^{\circ} N$, 70 lks. dist.
marked T. 24 N. R. 20 E. S., 9 B. T.

No other trees within limits.

Land mountainous

Soil 3^{rd} rate

Timber of Pine and Juniper.

Vegetation., Bunchgrass.

Township

24 N.,

Range

20 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 $\frac{1}{2}$ Sec. Cor.80.15 Intersect N. & S. line, 38 lks North of cor. to secs.
10-11-14-15 from which corner, I run

N. 89° 44' W. on a true line between sections 10-15.

Variation 13° 30' East

40.08 Set a Basalt stone 16 x 10 x 6 ins., 11
ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.
face, and raised a mound of stone. alongside. Pits
impracticable.

80.15 The corner to sections 9-10-15-16.

Land rolling.

Soil

3rd rate

Vegetation, Bunchgrass.

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation

13° 30'

East.

Descend.

20 Cross Wash, 20 fms. wide, Course $S 70^{\circ} W$ and ascend.
 40.00 Set a Basalt stone $14 \times 10 \times 8$ 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.

80.00

Set a Basalt stone $14 \times 13 \times 8$ ins., 9 ins. in
 the ground for Cor. to Secs. 3-4-9-10 marked
 with 3 notches on S. and 3 notches on E. edges and
 raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil

3rd rate

Vegetation Bunchgrass & Sagebrush.

Timber of Juniper.

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Ascend.

36.00

Descend.

40.00

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

75.00

Cross Wash, 15 lks. wide, Course S.W. and ascend.

79.80

Intersect N. & S. line, 68 lks. North of cor. to secs.

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

N 89° 37' W. on a true line between sections 3-10.

Variation

13° 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 $\frac{1}{4}$ S. on

N. face, dug pits, 18 x 18 x 12 ins., Sand 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.

79.80

The corner to sections 3-4-9-10.

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass and Sagebrush.

Township

24 N.,

Range

20 E.,

Gila and Salt River Meridian.

Chains

North, on a ~~random~~ ^{true.} line between Sections 3 and 4.Variation $13^{\circ} 30'$ East.*Ascend. gradually.*

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

79.96 Intersect the 6^{th} Standard Parallel ^{North} at a point 10.50 chs. West of the Standard Cor. to ^{1/4 Sec.} on Secs. 3, 4 and Sec 33, T. 25 N., R. 20 E., ^{previously set by me.} at which point I.

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

Land rolling.

Soil

 3^{rd} rate

Vegetation

Bunchgrass & 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. 9, 1883.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

~~From the corner to sections, #. S. 32 & 33 previously set by me~~

Chains

From the corner to sections, #. S. 32 & 33
North, between Sections 32 and 33.

Variation

13° 30'

East.

Descend.

19.60 Cross Wash; 25 fks. wide, Course S. 76° W and ascend.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone
 12 ins. in the ground, for Cor. to Secs, 28-29-32-33,
 marked T 24 N, S, 28, on N, E, R, 20 E, S, 33
 on S, E, S, 32 on S, W, and S, 29 on N, W, face
 with / notch on S, and \ 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.

from which
 A Juniper 7 ins. diam. bears S. 41 $\frac{1}{2}$ ° E, 24 fks. dist.
 marked T 24 N, R. 20 E, S., 33 B. T.

A Juniper 8 ins. diam. bears S. 14 $\frac{1}{2}$ ° W, 72 fks. dist.
 marked T 24 N, R. 20 E, S., 32 B. T.

No other trees within limits.

Land rolling.

Soil

3rd rate

Vegetation

Timber of

Bunchgrass,
Juniper.

Township 24 N,Range 20 E,

Gila and Salt River Meridian.

Chains East, on a random line between Sections 28 and 33.
Variation $13^{\circ}30'$ East.

*Ascend. gradually,*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.62 Intersect N. & S. line, 12 lks. *South* of cor. to secs.

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

S. 89° 35' W. on a true line between sections 28 - 33.

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

39.81 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.

79.62 The corner to sections 28-29-32-33.

Land rolling.

Soil *3rd* rateVegetation, *Bunchgrass.*

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation

13°30'

East.

Ascend. gradually

7.12 Descend.

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.

56.00

Cross Wash, 18 lks. wide, Course S. 75° 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. 20-21-28-29, marked T24 N. S. 21, on N, E, R, 20 E, S. 28 on S, E, S, 29 on S, W, and S, 20 on N, W, face with 2 notches on S, and 4 notch ~~on~~ 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,

Bunchgrass.

Township

24 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.

79.90 Intersect N. & S. line, 56 lks South of cor. to secs.

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

S. 89° 36' W. on a true line between sections 21-28.

Variation 13° 30' East

39.95 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.

74.90 The corner to sections 20-21-28-29.

Land rolling.

Soil

37 $\frac{1}{2}$ rate

Vegetation, Bunchgrass.

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

13° 30'

East.

Descend.

140.00

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 $\frac{1}{2}$ s. on N face.

64.20

Cross Wash, 30 fks. wide, Course S. 80° W. and ascend.

80.00

Set a Basalt stone 16 x 9 x 3 ins. // ins. in the ground for Cor. to Secs. 16-17-20-21 marked with 3 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base.

Land rolling.

Soil

3rd rate

Vegetation,

Bunchgrass.

Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Descend.

27.50 Cross Wash, 30 lks. wide, Course S. 3° W. and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.So. 23 Intersect N. & S. line, 39 lks. South of cor. to secs.
15-16-21-22 from which corner, I run

S. 59° 43' W. on a true line between sections 16-21.

Variation 13° 30' East

40.12 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.

So. 23 The corner to sections 16-17-20-21.

Land rolling.

Soil

3rd rate

Vegetation, Bunchgrass.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation

13° 30'

East.

Ascend.

40.00

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

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, S-9-16-17, marked T, 24 N, S, 9, on N, E, R, 20 E, S. 16, on S, E, S, 17 on S, W, and S, S on N, W, face with 4 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

3rd rate

Vegetation,

Bunchgrass & Sagebrush.

Timber of

Juniper.

41 Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains

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

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

Over level land & rolling.

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

78.00 Cross Wash, 15 lks. wide, Course S.W. and ascend.

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

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

S. 89° 51' W. on a true line between sections 9-16.

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

39.97 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.

79.93 The corner to sections 9-9-16-17.

Land rolling & level.

Soil 3rd rate

Vegetation, Bunchgrass & Sagebrush.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation

13° 30'

East.

Ascend. gradually.

40.00

Set a Basalt stone $14 \times 12 \times 10$ ins., 44 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, 4-5-8-9, marked T, 24 N, S, 4 on N, E, R, 20 E, S, 9 on S, E, S, A on S, W, and S, 5 on N, W, face with 5 notches on S, and 4 notches on E, edges, dug pits $18 \times 18 \times 12$ ins, in each Sec., $5\frac{1}{2}$ ft, dist., and raised a mound of earth 2 ft, high, $4\frac{1}{2}$ ft, base around post.

Land rolling.

Soil

3rd rate

Vegetation, "Bunchgrass."

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ}30'$ East.*Ascend gradually.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.48 Intersect N. & S. line, 30 lks *North* of cor. to secs.

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

Nsg $47^{\circ}W.$ on a true line between sections 4-9.Variation $13^{\circ}30'$ East

39.74 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.

74.48 The corner to sections 4-5-8-9.

Land rolling.

Soil *3rd* rateVegetation, *Bunchgrass.*

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

North, on a ^{true.} ~~random~~ line between Sections 4 and 5.

Variation

13° 30'

East.

Ascend.

40.00

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

79.70

Intersect the 6^{th} Standard Parallel North at a point 10.18 chs. West of the Standard Cor. to on Secs. 1, 2, 3 and Sec. 32, T. 25 N., R. 20 E., at which ^{the Sec. previously set by me.} point I.

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ~~Chain~~ Cor. to Secs. 4 and 5 marked C.C., T. 24 N. R. 20 E., on S. 4 on E., and S. 5 on N. faces, with 4 notches on E. and 2 notches on N. faces, dug pits 18 x 18 x 12 ins. ~~S. of~~ post, $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil

3rd rate

Vegetation

Pimchgrass.

Timber of

Juniper.

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

G. M. Swason, Compassman, Feb. 9, 1883.

Township 24 N. Range 20 E.

Gila and Salt River Meridian.

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

Chains

North, between Sections 31 and 32.

Variation

13° 30'

East.

10.20

cross Wash 14 lks wide, course S 88° W.
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 $\frac{1}{2}$ s. on N face.

42.00

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

71.00

Top of Butte and descend. along same.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 29-30-31-32, marked T 24 N. S. 29, on N, E, R, 20 E, S. 32 on S, E, S, 31 on S, W, and S, 30 on N, W, face with 1 notch 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

3rd rate

Vegetation, Bunchgrass & Sagebrush.

Timber of Juniper.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

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

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

Over rolling land. top of Butte, nearly level.

9.50 Descend. Descend abruptly.

21.00 Foot of Butte and continue descent.

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

41.40 Cross Wash, 40 lks. wide, Course S.W. and ascend.

79.92 Intersect N. & S. line. 23 lks. North of cor. to secs.

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

$N89^{\circ}50'$ W. on a true line between sections 29-32.

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.

79.92 The corner to sections 29-30-31-32.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass & Sagebrush.

A. P. Johnson, Feb. 10, 1883.

Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains

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

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

Over ~~rolling land~~, top of Butte, nearly level.

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

43.18 Descend.

61.10 Cross Wash, 20 lks. wide, Course $S. 10^{\circ} E$, and ascend.

77.14 Intersect *N. B. of Tp. 5* lks. *South* of cor. to secs.
 previously set by me.

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

$S. 89^{\circ} 58' E$, on a true line, between sections 30-31.

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

37.14 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 $N.$ 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.

77.14 The corner to sections 29-30-31-32.

Land rolling.

Soil *3rd* rate

Vegetation, Bunch grass.

G. M. Carson, Compassman, Feb. 10, 1883

Township 24 N. Range 20 E.

Gila and Salt River Meridian.

Chains North, between Sections 29 and 30.

Variation 13° 30' East.

Ascend.

40.00 Set a Basalt stone 16 x 9 x 4 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.

80.00 Set a Basalt stone 26 x 15 x 6 ins. 19 ins. in the ground for Cor. to Secs. 19-20-29-30 marked with 2 notches on S. and 5 notches on E. edges and raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains

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

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

Descend. gradually.

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

69.80 Cross Wash, 40 lks. wide, Course South and ascend.

80.59 Intersect N. & S. line, 37 lks. North of cor. to secs.

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

N89 $^{\circ}$ 44' W. on a true line between sections 20-29,Variation $13^{\circ}30'$ East

40.30 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.

80.59 The corner to sections 19-20-29-30.

Land rolling.

Soil *3rd* rate

Vegetation, Bunchgrass.

A. P. Johnson, Feb. 10, 1883.

Township

24 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.

19.80 Cross Wash, 30 fms. wide, Course S. 46° E, and ascend.

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

43.50 Descend.

76.82 Intersect N. B. of Twp. 33 fms. South of cor. to secs.
19-24-25-30 previously set by me.
from which corner, I run

S. 89° 46' E. on a true line, between sections 19-30.

Variation

13° 30'

East.

36.82 Set a Basalt stone 14 x 8 x 6 ins., 9 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.

76.82 The corner to sections 19-20-29-30.

Land rolling.

Soil

3rd
grade

Vegetation

Bunchgrass.

G. W. Compassman, Feb. 10, 1883.

51 Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation

13° 30'

East.

Ascend.

40.00 Set a Basalt stone 20 x 18 x 4 ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N, face, and raised a mound of stone. alongside. Pits impracticable.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 17-18-19-20, marked T 24 N. S. 17, on N, E, R, 20 E, S. 20 on S, E, S, 19 on S, W, and S, 18 on N, W, face with 3 notches on S, and 5 notches on E, edges, 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

3rd rate

Vegetation, Bunchgrass.

Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains

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

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

Descend.

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

75.50 Cross Wash, 30 lks. wide, Course South and ascend.

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

16-17-20-21 from which corner, I run

 $N. 89^{\circ} 38' W.$ on a true line between sections 17-20.Variation $13^{\circ} 30'$ East

39.95 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.

79.96 The corner to sections 17-18-19-20.

Land rolling.

Soil 3^{rd} rate

Vegetation, Bunchgrass.

A. P. Johnson, Feb. 10, 1883.

Township 24 N,

Range 20 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Ascend.

19.00 Top of Spur, bears N. 10° W. 7 S. 10° E. and descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.76.50 Intersect N. B. of Tp. 18 ^{1/2} m. North of cor. to secs.
previously set by me.

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

N. 89° 32' E. on a true line, between sections 18-19.

Variation 13° 40' East.

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

76.50 The corner to sections 17-18-19-20.

Land mountainous.

Soil 3rd rate

Vegetation Bunchgrass.

G. W. Carson, Comptroller, Feb. 10, 1883.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation

13°30'

East.

Descend.

35.15 Cross Wash, 18 lks. wide, Course S. 60 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
N. face, dug pits, 18 x 18 x 12 ins., N and S. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around post.

80.00 Set a Basalt stone 25 x 20 x 15 ins. 19 ins. in
the ground for Cor. to Secs. 7-8-17-18 marked
with H notches on S. and V notches on E. edges and
raised a mound of stone. alongside. Pits impracticable.

Land rolling.

Soil

3rd rateVegetation, Bunchgrass & Sagebrush,
Timber, Juniper.

Township

24 N.

BOOK 522

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Ascend. gradually.

10.00

Descend. gradually.

40.00

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

80.27

Intersect N. & S. line. 15 ^{lbs} Sink of cor. to secs.

S. 9-16-17 from which corner, I run

S. 89° 54' W. on a true line between sections 8-17.

Variation 13° 30' East

140.14

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.

80.27

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

Land rolling.

Soil.

3rd rate

Vegetation

Bunchgrass.

A. D. Johnson, Feb. 10, 1883.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Ascend. very gradually.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.77.08 Intersect *W. B. of Tp. 24* *South* of cor. to secs.7-12-13-18 ^{previously set by me.}
from which corner, I run

S. 89° 50' E, on a true line, between sections 7-18.

Variation - 13° 30' East.

37.08 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., *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.

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

Land rolling.

Soil

3rd rate

Vegetation

Bunchgrass.

G. M. Carson, Compassman, Feb. 10, 1883.

57

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation

13° 30'

East.

Ascend. very gradually.

40.00

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

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 5-6-7-8, marked T24N. S, 5, on N, E, R, 20E, S. 8 on S, E, S, 7 on S, W, and S, 6 on N, W, face with 5 notches on S, and 5 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft, high, $4\frac{1}{2}$ ft, base around post.

Land rolling.

Soil

3rd rate

Vegetation

Bunchgrass & Sagebrush.
Timber, Juniper.

Township

24 N,

Range

20 E,

Gila and Salt River Meridian.

Chains

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

Variation

13° 30'

East.

Descend. gradually.

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

So. 49 Intersect N. & S. line, 10 lks South of cor. to secs.

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

S. 89° 56' W. on a true line between sections 5-8,

Variation

13° 30' East

40.25 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.

So. 49 The corner to sections 5-6-7-8.

Land rolling.

Soil

3rd rateVegetation, Bunchgrass & Greasewood,
Juniper, Juniper.I carefully examined the adjustments of my solar
compass to-day, particularly the latitude and revers-
ing apparatus, and found them correct.

A. P. Johnson, Feb. 10, 1883.

Township 24 N.Range 20 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ}30'$ East.*Ascend. gradually*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.77.60 Intersect *N.B. of Tp. 43* *1/4* Sec. *Bank* of cor. to secs.
*previously set by me.**1-6-7-12* from which corner, I run*S. 89^{\circ}42' E.* on a true line, between sections 6-7.Variation $13^{\circ}30'$ East.

37.60 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.

77.60 The corner to sections 5-6-7-8.

Land rolling.

Soil *3rd rate*Vegetation *Bunchgrass & Sagebrush*Timber of *Juniper.*

Township

24 N.

Range

20 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Ascend. gradually.

40.00

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

70.00

Top of Ridge, bears N. 88 E. 9 S. 5/8 W. and descend.

80.09

Intersect the 6th Standard Parallel ^{North} at a point 10.5-8 chs. West of the Standard Cor. to on Sec. 30 and Sec. 31, T. 25 N. R. 20 E. ^{credulously set by me.} at which point I.

with marked stone

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{Claim} Cor. to Secs. 5 and 6 marked C.C. T. 24 N. R. 20 E., on S. S. 5 on 6 and S. 6 on N. faces, with 5 notches on 6 and 1 notch on 5 faces, dug pits 18 x 18 x 12 ins. S. E. W. of post, 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass & Sagebrush, ^{Timber} Juniper

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

J. W. Casary, Comptroller
Feb 10, 1858.

GENERAL DESCRIPTION.

The general character of the land in this Sp. is rolling.

The extreme North-western part & a portion of Eastern part of the Sp. is mountainous.

Pine and Juniper timber is abundant in places, with vegetation of Sagebush and Greasewood.

Bunchgrass is plentiful in all portions of the Sp. affording excellent grazing facilities.

The soil is 3^d rate.

For Final Data
see Book 19:

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

The foregoing Field Notes of the survey of the
Subdivisions 24 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 5th day of
August, 1882, having been critically ex-
amined and the necessary corrections and explanations
made, the said Field Notes and the surveys they de-
scribe, are hereby approved.

J. W. Robinson

Surveyor General.