

Indexed
Book
Book No. 135

A. P. Johnson Deputy Surveyor.

T. *22 N* R. *18 E*

Gila and Salt River Meridian.

FIELD NOTES

BOOK 432

OF

No. 432

THE SUBDIVISION LINES OF

Township *22 N* Range *18 E*

Gila and Salt River Meridian.

BY

A. P. Johnson Deputy Surveyor.

Under his Contract of *Aug 5th* 1882.

Survey Commenced *March 15th* 1882

Survey Completed *March 17th* 1882

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432

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1A

Township 22 North, Range 18 East,
BOOK 432 Gila and Salt River 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
53		55		41		30		19		8
18	54	17	40	16	29	15	18	14	7	13
53		52		39		28		17		6
19	51	20	38	21	27	22	16	23	5	24
50		49		37		26		15		4
30	48	29	36	28	25	27	14	26	3	25
47		46		35		24		13		2
31	45	32	34	33	23	34	12	35	1	36

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Township

Range

Meridian.

For preliminary notes
and description of instrument
used see Book No. 1

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

1B

BOOK 432

Township
(See previous page.)

22 N.

Range

18 E.

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° 30' East.

Descend.

40.00

Deposited a marked stone, 12 ins. in the ground, for
¼ sec. cor., dug pits 18x18x12 ins. N. and S. of
post 5½ ft. dist. and raised a mound of earth 1½ ft.
high, 3½ ft. base over it. In N. pit drove a stake 2
ft. long, 2 in. square, 12 ins. in the ground, marked ½
s. on W. face.

80.00

Deposited a marked stone, 12 ins. in the ground, for
cor. sec. 25, 26, 35, 36, dug pits 18x18x12
ins. in each sec. 5½ ft. dist., and raised a mound of
earth 2 ft. high, 4½ ft. base over it. In S. E. pit drove
a stake 2 ins. square, 2 ft. long, 12 ins. in the ground,
marked T. 22 N. S. 25 on N. E. R. 18 E. S. 36 on
S. E. S. 35 on S. W and S. 26 on N. W faces,
with 1 notch on S. and 1 notch on E. edges.

Land rolling.

Soil 3.0 rate

Vegetation Grass & Sage

Township

22 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.46.50 Cross Wash, 40 lks. wide, Course *NW* and ascend.80.10 Intersect *E. B.* of Tp. 14 lks. *S.* of cor. to secs.
previously set by me.

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

S. 89° 54' W. on a true line, between sections 25 & 36

Variation 13° 30' East.

40.08

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

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

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains North, between Sections 25 and 26. Variation 13° 30' East.

Descend.

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

40.00 Deposited a marked stone, 12 ins. in the ground, for 1/4 sec. cor., dug pits 18x18x12 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 over it. In N pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked 1/4 s. on W face.

49.00 Cross Wash, 30 lks. wide, Course S.W.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 23, 24, 25, 26, dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins; in the ground, marked T. 22 N. S. 24 on N. E. R. 18 E. S. 25 on S. E. S. 26 on S. W and S. 23 on N. W faces, with 2 notches on S. and 1 notch on E. edges.

Land rolling.

Soil 3rd rate

Vegetation Grass.

Township 22 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

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

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

80.40 Intersect C. B. of Tp. 5 lks. S. of cor. to secs.

previously set by me.

9.24 20.30 from which corner, I run

1.87 39' W. on a true line, between sections 24 25

Variation 13° 30' East.

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. S. and W. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base 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.

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

Land rolling.

Soil 2.00 rate

Vegetation Grass

Township

Range

Gila and Salt River

Meridian.

Chains

North, between Sections 23 and 24.

Variation

13° 30'

East.

Over rolling land.

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.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 13, 14, 23, 24, dug pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins; in the ground, marked T: 22 N. S: 13 on S: E: S: 23 on S: W: and S: 14 on N, W, faces, with 3 notches on S. and 1 notch on E, edges.

Land rolling.

Soil

Clay

rate

Vegetation

Grass & Sage.

Township

22 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 30'$ East.*Descend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.12 Intersect E. B. of Tp. 18 lks. N. of cor. to secs.
previously set by me.
13. 18. 19. 24 from which corner, I runN. $89^{\circ} 52'$ W on a true line, between sections 13 & 24Variation $13^{\circ} 30'$ East.40.00 Deposited a marked stone, 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., dug pits 18x18x12 ins. E. and W. of
post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base over it. In E. pit drove a stake 2
ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$
s. on N. face.

80.12 The corner to sections 13, 14, 23, 24

Land rolling.

Soil 3^{rd} rate

Vegetation Grass & Sagebrush.

Township 22 N. Range 18 E

Gila and Salt River Meridian.

Chains North, between Sections 13 and 14.

Variation $13^{\circ} 30'$ East.*Ascend.*20.00 *Descend.*

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

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. of secs. 11, 12, 13, 14, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In *S. E.* pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked *T. 22 N. S. 12* on *N. E. R. 18 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.

Lana rolling.

Soil 3^{rd} rate

Vegetation Grass.

Township

22 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 35'$ East.*Ascend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.79.94 Intersect E. B. of Tp. 32 N. of cor. to secs.
previously set by me.

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

N. $89^{\circ} 45'$ on a true line, between sections 12 & 13Variation $13^{\circ} 35'$ East.

39.97

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{2}$ 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 $\frac{1}{2}$ s. on N. face.

79.94

The corner to sections 11. 12. 13. 14

Land rolling.

Soil 3rd rate

Vegetation Grass.

Township

22 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 11 and 12.

Variation $13^{\circ} 35'$ East.*Descend.*33.00 Cross Wash, 100 yds. wide, Course $S. 30^{\circ} W$ 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 $\frac{1}{4}$ s. on W. face.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 1, 2, 11, 12, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 22 N. S. 1 on N. E. R. 18 E. 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.

*Land rolling.*Soil 3rd rate

Vegetation Grass.

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains	East, on a random line between Sections 1 and 12.
	Variation $13^{\circ} 30'$ East.
	<i>Ascend.</i>
30.00	<i>Descend.</i>
40.00	Set temporary $\frac{1}{4}$ sec. cor.
59.65	Intersect \odot B. of Tp. 6 lks. N. of cor. to secs. <i>previously set by me.</i>
	1. 6. 7. 12 from which corner, I run
	N. $59^{\circ} 57'$ W. on a true line, between sections 1 & 12
	Variation $13^{\circ} 30'$ East.
79.52	Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dug pits $18 \times 18 \times 12$ ins. \odot 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 \odot pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N. face.
79.60	The corner to sections - 1. 2. 11. 12
	Land rolling.
	Soil 3^{rd} rate
	Vegetation Grass & Sage.

Township

22 N

Range

18 E

Gila and Salt River

Meridian.

Chains

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

Variation

13° 30'

East.

Ascend.

30.00

Descend.

40.00

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

80.13

Intersect N. B. of Tp. 28 Tks. 6 of cor. to secs. previously set by me. from which corner, I run 1.2.36. 36 on a true line, between sections 12.2

Variation

13° 30'

East.

40.13

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

80.13

The corner to sections 1. 2. 11. 12

Land rolling.

Soil

3rd

rate

Vegetation

Grass

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

March 15th 1883
A. P. Johnson

Township

22 N.

Range

18 E

Gila and Salt River Meridian.

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

Chains

3000 North, between Sections 34 and 35.

Variation 13° 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.

80.00

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 26, 27, 34, 35, dug pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 22 N. S. 26 on N. E. R. 18 E. S. 35 on S. E. S. 34 on S. W and S. 27 on N. W faces, with 1 notch on S. and 2 notches on E. edges.

Land rolling.

Soil 3rd rate

Vegetation Grass.

Township 22 N Range 18 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.

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

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

S. 89° 56' W. on a true line between sections 26 & 35

Variation 13° 30' East

39.99 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.

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

Land rolling.

Soil 3rd rate

Vegetation Grass.

Township 22 N

Range 18 E

Gila and Salt River

Meridian.

Chains

North, between Sections 26 and 27.

Variation 13° 30' East.

Descend.

24.00 Cross Wash, 30 lks. wide, Course 27° W and ascend.

42.00 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.

40.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 22. 23. 26. 27, dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 22 N. S: 23 ^{on N. E. S: 26} on S: E: S: 27 on S: W: and S: 22 on N, W, faces, with 2 notches on S, and 2 notches on E, edges,

Land rolling.

Soil 3rd rate

Vegetation Chase.

BOOK 432

15

Township

22 N

Range

18 E

Gila and Salt River

Meridian.

Chains

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

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

Over level land

40.00

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

79.72

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

23. 24. 26. 26 from which corner, I run

N $89^{\circ} 27'$ W. on a true line between sections 23 & 26

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

39.86

Deposited a marked stone, 12 ins. in the ground, for $\frac{1}{2}$ 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 $\frac{1}{2}$ s. on N face.

79.72

The corner to sections 22. 23. 26. 27

Land level. & rolling.

Soil 3° rate

Vegetation Grass.

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation 18° 30' East.

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 W. face.

40.00

Ascend. more abruptly on east side of Chimney Butte

78.00

Descend.

80.00

Set a ³/₄ basal stone 24 x 24 x 18 ins. 18 ins. in the ground for Cor. to Secs. 14, 16, 22, 23 marked with 3 notches on S. and 2 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land mountainous.

Soil 3:2 rate

Vegetation Grass.

17 Township 22 N Range 18 E

Gila and Salt River Meridian.

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

Descend.

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

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

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

N. 89° 57' W. on a true line between sections 14 & 23
 Variation $13^{\circ} 30'$ East.

40.02 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.

10.03 The corner to sections 14, 15, 22, 23

Land rolling.

Soil 3° rate

Vegetation *Grass & Sage*

Township 22 N

Range 18 O

Gila and Salt River

Meridian.

Chains

North, between Sections 14 and 15.

Variation 13° 30' East.

Descend.

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.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 10, 11, 14, 15, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T:22 N. S:11 ^{on N E. R. 18 E. S. 14} on S: E: S: 10 on S: W: and S: 10 on N, W, faces, with 4 notch on S, and 2 notch on E, edges,

Land rolling.

Soil 3° rate

Vegetation Grass.

BOOK 432

19 Township 22 N Range 18 E
 Gila and Salt River Meridian.

Chains

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

Variation 13° 35' East.

Descend.

39.60 Cross Wash, 30 lks. wide, Course N. 60° W and ascend.

40.00 Set temporary 1/4 sec. cor.

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

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

S. 89° 47' W. on a true line between sections 11 & 14

Variation 13° 35' East.

40.13

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

80.26

The corner to sections 12. 13. 14. 15

Land rolling.

Soil 3rd rate

Vegetation Grass.

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation 13° 36' East.

Descend.

36.20 Cross Wash, 25 lks. wide, Course N. 66° W. and ascend.

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

70.00 Top of Spur, bears E. 2 W. and descend.
Top of East slope of Castle Butte Summit, bears S. W. about 2000 yds. dist.

80.00

Set a Basalt stone 16 x 10 x 8 ins. 10 ins. in the ground for Cor. to Secs. 2, 3, 10, 11 marked with 5 notches on S. and 2 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land mountainous.

Soil SP rate

Vegetation Grass

²¹ Township 22 N Range 18 O
 Gila and Salt River Meridian.

Chains

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

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

Ascend.

35.00

Top of Spur, bears N. $7^{\circ} S$

A. Boile bears Nuth. about 20.0° East and descend. 7°

40.00

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

79.87

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

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

S. $89^{\circ} 54'$ W. on a true line between sections 2 & 11

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

89.93

Set a Basalt-stone $16 \times 9 \times 4$ ins., 24 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 2. 3. 10. 11

Land rolling.

Soil 3^{rd} rate

Vegetation Grass.

Township 22 N Range 18 E

Gila and Salt River Meridian.

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

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

Descend.

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

80.36 Intersect N.B. of Tp. 24 Tks. 8 of cor. to secs. previously set by me. from which corner, I run

2. 3. 34. 36- \swarrow S $10'$ 8 on a true line, between sections 2 & 3

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

40.30 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.

80.36 The corner to sections 2. 3. 10. 11

Land rolling.

Soil 8-7 rate

Vegetation Grass.

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

March, 16th 1883
G. M. Carson
Compassman.

Township 22 N Range 18 E

Gila and Salt River Meridian.

~~From the corner to sections, 3, 4, 3, 3, 3, 3, 1 previously set by me.~~

Chains *Iron* North, between Sections 33 and 34.

Variation 13° 20' East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on W. face, dug pits, 18 x 18 x 12 ins., N. and O. 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.

50.76- Cross Wash, 75 lks. wide, Course S 40° W and ascend.

52.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 27, 28, 33, 34, dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins; in the ground, marked T: N: S: 27, ^{N.E. R. 18 E. S. 24} on S: E: S: 33 on S: W: and S: 28 on N, W, faces, with 1 notch on S, and 3 notches on E, edges,

Land rolling.

Soil gnd rate

Vegetation Chase.

Township

22 N

Range

18 E

Gila and Salt River

Meridian.

Chains

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

Variation 13° 30' East.

Descend.

15.00

Cross Wash, 60 lks. wide, Course S W and ascend.

40.00

Set temporary 1/4 sec. cor.

79.73

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

27, 34, 36 from which corner, I run

N. 89° 49' W. on a true line between sections 27 & 34

Variation 13° 30' East.

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

The corner to sections 27, 28, 33, 34

Land rolling.

Soil 3^d rate

Vegetation Grass.

Township

22 N

Range

18 E

Gila and Salt River

Meridian.

Chains

North, between Sections 27 and 28.

Variation

13° 30'

East.

Ascend.

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.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 21, 22, 27, 28, dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: ^{in N. E. R. 18 E. S. 27} 22 N. S: ₂₂ on S: E: S: ₂₈ on S: W: and S: 21 on N, W, faces, with 2 notch on S, and 3 notch on E, edges,

*Land rolling.**Soil 3rd rate**Vegetation Grass.*

Township 22 N Range 18 E

Gila and Salt River Meridian.

X
Chains

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

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

Descend.

40.00

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

80.14

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

22. 23. 26. 27 from which corner, I run

189. 52' W. on a true line between sections 22 & 27

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

40.07

Set a *Basalt* stone $16 \times 12 \times 7$ ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, and raised a mound of stone. alongside Pits impracticable.

80.14

The corner to sections 21. 22. 27. 28

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

Township 22 N

Range 18 W

Gila and Salt River

Meridian.

Chains

North, between Sections 21 and 22.

Variation 131. 50'

East.

Ascend.

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.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 15. 16. 21. 22, dug pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T:22 N. S: ^{on N. E. R. 15 S. S. 22} 16 on S: E: S: 21 on S: W: and S: 16 on N, W, faces, with 3 notches on S. and 3 notches on E, edges,

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

22 N

Range

18 E

Gila and Salt River

Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

40.00

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

70.00

Top of Chimney Butte and descend.

79.90

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

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

N. 89° 49' W. on a true line between sections 15 & 22

Variation 13° 30' East.

39.90

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

79.90

The corner to sections 14. 16. 21. 22

Land rolling.

Soil 3^d rate

Vegetation Grass.

Township 22 NRange 18 E

Gila and Salt River

Meridian.

Chains

North, between Sections 15 and 16.

Variation 13° 30' East.*Ascend.**Descend. Gradually.*

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.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 9. 10. 15. 16., dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked *T*: 22 N. S: 10 ^{on N.E. R. 19 E. S. 16} on S: E: S: 16 on S: W: and S: 9 on *N, W*, faces, with 4 notches on *S.* and 3 notches on *E*, edges,

*Land rolling.*Soil 3rd rateVegetation Grass & Sagebrush.

Township 22 N

Range 18 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.

50.00 Descend. Gradually.

80.09 Intersect N. & S. line, 12 lks. S. of cor. to secs. 10, 11, 14, 15 from which corner, I run

S. 89° 55' W. on a true line between sections 10 & 15

Variation 13° 30' East.

40.04

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

80.09 The corner to sections, 9, 10, 15, 16

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains North, between Sections 9 and 10.

Variation 18° 30' East.

Descend.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 3. 4. 9. 10 marked T. 22 N. S. 3, on N. E., R. 18 E., S. 10 on S. E., S. 9 on S. W. and S. 4 on N. W. face, with 5 notches on S. and 3 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 22 N Range 18 E

Gila and Salt River Meridian,

Chains East, on a random line between Sections 3 and 10.
Variation 13° 30' East.

Descend.

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

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

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

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

2.3. 10. 11 from which corner, I run

N. 89° 01' W. on a true line between sections 3 & 10
Variation 13° 30' East.

81.99 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 $\frac{1}{4}$ & on N face.

82.79 The corner to sections 2, 4, 9, 10

Land rolling.

Soil 37° rate

Vegetation Grass & Sage

33 Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

16.00

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

40.00

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

50.09

Intersect N. B. of Tp. 4 lks. N. of cor. to secs.
previously set by me.
3. 4. 33. 34 \wedge from which corner, I run

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

Variation 13° 30' East.

40.09

Set a lime stone 16 x 10 x 4 ins., 10
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
 face, dug pits, 18 x 18 x 12 ins., 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

80.09

The corner to sections 3. 4. 9. 10

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

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

March 10, 1883
 A. P. Johnson.

Township

22

N

Range

18

S

Gila and Salt River Meridian.

From the corner to sections, 7, 5, 3, 2, 3, 5, previously set by me.

Chains *Iron* North, between Sections 32 and 33.Variation $13^{\circ} 20'$ East.

Descend.

Cross Creek, $7\frac{1}{2}$ lks. wide, Course *W* and ascend.

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

80.00

Set a *Basalt* stone $13 \times 7 \times 7$ ins. 8 ins. in the ground for Cor. to Secs. 28, 29, 32, 33 marked with 1 notch on S. and 4 notches on E. edges and raised a mound of stone. alongside Pits impracticable.

Land rolling.

Soil 3^{rd} rateVegetation *Grass & Sage.*

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

30.00 Top of Spur, bears N. 40° E & S. 40° W, and descend.

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

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

27. 28. 32. 34 from which corner, I run

N. 89° 47' W. on a true line between sections 25. 33

Variation 13° 30' East.

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

80.04 The corner to sections 28. 29. 32. 33

Land rolling.

Soil 3^d rate

Vegetation Grass & Sage.

Township

22

N

Range

18

E

Gila and Salt River

Meridian.

Chains

North, between Sections 28 and 29.

Variation

12° 30'

East.

Ascend.

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 Cassell stone 10x8x8 ins. 10 ins. in the ground for Cor. to Secs. 20, 21, 28, 29 marked with 2 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base. alongside

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

22 N

Range

18 E

Gila and Salt River

Meridian.

Chains

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

X

Variation 13° 30' East.

Ascend.

40.00

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

76.10

Top of Spur, bears N. 40° E. & S. 40° W. and descend.

80.42

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

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

N. 89° 35' W. on a true line between sections 21 & 28

Variation 13° 30' East.

40.31

Set a Basalt stone 15 x 7 x 6 ins., 16 ins. in the ground, for $\frac{1}{4}$ Sec. Cor.; marked $\frac{1}{4}$ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base. alongside

80.12

The corner to sections 20, 21, 28, 29

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township *22 N*

Range *18 E*

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation *12° 30'* East.

Ascend.

Deposited a marked stone, 12 ins. in the ground, for 1/4 sec. cor., dug pits 18x18x12 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 over it. In N pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked 1/2 s. on N face.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 16, 17, 20, 21, dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 22 N: ^{on N. E. R. 18 E, S. 21} S: 6 on S: E: S: 30 on S: W: and S: 17 on N, W, faces, with 3 notches on S, and 4 notches on E, edges,

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

40.00

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

79.96

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

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

S. 89° 54' W. on a true line between sections 16 & 21

Variation 13° 30' East.

39.98

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.

79.96

The corner to sections 16. 17. 20. 21

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

Township 22 N

Range 18 E

Gila and Salt River

Meridian.

Chains

North, between Sections 16 and 17.

Variation

12° 30'

East.

Over rolling land.

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.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 8 9 16 17, dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 22 N. S: ^{on N: E. S: 16} on S: E: S: 17 on S: W: and S: 8 on N, W, faces, with 4 notches on S, and 4 notch on E, edges,

Land rolling.

Soil

3rd

rate

Vegetation

Grass & Sagebrush

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

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

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

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

N. by 60' W. on a true line between sections 9 & 16

Variation 13° 30' East.

79.94

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.

79.89

The corner to sections 8. 9. 16. 17

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains North, between Sections 8 and 9.

Variation 13° 30' East.*Ascend.*

46.00

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

56:70

Descend. very gradually.

80.00

Set a *Basalt* stone $7 \times 12 \times 4$ ins. 12 ins. in the ground for Cor. to Secs. 11, 6, 8, 9 marked with 6 notches on S. and 4 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base. alongside

*Land rolling.*Soil 3rd rateVegetation Grass & Sage.

Township *32 N*

Range *18 E*

Gila and Salt River

Meridian.

Chains

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

Variation *13° 30'* East.

Over level land

40.00

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

80.13

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

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

S. 89° 53' W. on a true line between sections *4 & 9*

Variation *13° 30'* East.

40.00

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

80.13

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

Land level. *rolling.*

Soil *3°* rate

Vegetation *Grass & Sage.*

Township 9⁰⁰ N Range 18 E

Gila and Salt River Meridian.

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

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

Descend.

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

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

79.80 Intersect N.B. of Tp. 33 lks. W. of cor. to secs.
previously set by me.

H. O. 32. 83 from which corner, I run

S. 10' W. on a true line, between sections 4 & 5
Variation $13^{\circ} 30'$ East.

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

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

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

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

March 10, 1883

G. M. Carson

Compassman

Township *22 N*

Range *18 E*

Gila and Salt River Meridian.

From the corner to sections, 5, 6, *31, 32* ^{by} *precisely set by me.*

Chains *Iron* North, between Sections 31 and 32.

Variation *13° 18'* East.

Descend.

37.00

Cross Wash, *20* lks. wide, Course *N. 10° W* 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 $\frac{1}{4}$ s. on *W.* face.

72.30

Cross Creek, *90* lks. wide, Course *N. 30° W* and ascend.

80.00

Set a *Chert* stone $20 \times 12 \times 8$ ins. 16 ins. in the ground for Cor. to Secs. *29, 30, 31, 32* marked with 1 notch on *S.* and 6 notches on *E.* edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base. *alongside*

Land rolling.

Soil *3rd* rate

Vegetation *Grass & Sage.*

Township 22 N. Range 18 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 29 and 32.
Variation 13° 30' East.

Ascend.

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

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

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

S. 89° 54' W. on a true line between sections 29 & 32

Variation 13° 30' East

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

80.28 The corner to sections 29, 30, 31, 32

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

March 17, 1883

A. P. Johnson

Township 22 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

4.50 Cross Creek 90 lks. wide, Course N. 30° W. and ascend.

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

77.90 Intersect W. B. of Tp. 24 lks. S. of cor. to secs.

29, 30, 31, 32,

which is a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, with pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. from S. E. pit a stake 2 ins. square set firmly in the ground marked T. 22 N. R. 30 on N. E. R. 18 E. S. 31 on S. E. R. 17 E. S. 30 and W. and S. 29 on N. W. face with 1 inch on S. and 5 inches on N. edges from which corner, I run

S. 89° 50' E. on a true line, between sections 30 & 31

Variation 13° 30' East.

37.90 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 N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{4}$ s. on N. face.

77.90 The corner to sections 29, 30, 31, 32

Land rolling.

Soil 3rd rate

March 17, 1883

Vegetation Grass & Sage. G. M. Carson compass

Township

Range

Gila and Salt River

Meridian.

Chains

North, between Sections 29 and 30.

Variation

15° 30'

East.

Ascend.

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 $\frac{1}{4}$ on W face.

Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 19, 20, 29, 30, dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 22 N: S: 20 on S: E: S: 30 on S: W: and S: 19 on N, W, faces, with 2 notch on S, and 5 notch on E, edges,

*Land rolling.*Soil 3rd rate

Vegetation Grass & Sage.

Township

22 N

Range

18 E

Gila and Salt River

Meridian.

Chains

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

Variation 13° 30' East.

Ascend.

40.00

Set temporary 1/4 sec. cor.

79.85

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

20. 21. 25. 29 from which corner, I run

S. 89° 45' W. on a true line between sections 20 & 29

Variation 13° 30' East.

79.95

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

79.85

The corner to sections 19. 20. 29. 30

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

March 17. 1883.

A. P. Johnson

Township 22 N. Range 18 E

Gila and Salt River Meridian.

Chains West, on a random line between Sections 19 and 30.
Variation $13^{\circ} 30'$ East.

Descend.

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

77.78 Intersect W. B. of Tp. 42 lks. S. of cor. to secs.

19. 24. 26. 30

which is a basalt-stone $18 \times 12 \times 8$ ins. 12 ins. in the ground marked with 2 notches on S. and 4 notches on N. edge with a mound of stone alongside.

from which corner, I run

S. $89^{\circ} 42' E$ on a true line, between sections 19 & 30Variation $13^{\circ} 30'$ East.

37.78 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 N. pit drove a stake 2 ft. long, 2 in. square, 12 ins. in the ground, marked $\frac{1}{2}$ s. on N. face.

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

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

Township

22 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

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

40.00 Set a Basalt stone $14 \times 8 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

80.00 Deposited a marked stone, 12 ins. in the ground, for cor to secs. 17, 18, 19, 20, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins; in the ground, marked T. 22 N. S. 17 on N. E. R. 18 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 notches on E. edges.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebush.

March, 17, 1883

G. M. Carson.

Compassman.

Township

22 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

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

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

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

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

N. 89° 51' W. on a true line between sections 17 & 20

Variation $12^{\circ} 30'$ East

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

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

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

March 17, 1883

A. P. Johnson.

Township 22 N. Range 18 E,

Gila and Salt River Meridian.

Chains

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

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

Descend.

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

77.62 Intersect W. B. of Tp. 29 lks. N. of cor. to secs.

13. 18. 19. 24

which is a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base with pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. In S.E. pit a stake 2 ins. square, set firmly in the ground marked T. 32 N. S. 18 on N.E. R. 18 E. S. 19 on S.E. R. 17 E. S. 24 on S.W. and S. 13 on N.W. faces, with 3 inches on S. and 3 inches on N. edges from which corner, I run

N. $89^{\circ} 48'$ E. on a true line, between sections 18 & 19Variation $13^{\circ} 30'$ East.

37.62 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.

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

Land rolling.

Soil 3° rate

Vegetation Grass & Sage. Compassman,

March 17, 1883

G. M. Carson

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains North, between Sections 17 and 18.

Variation 13° 30' East.

Over rolling land.

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

80.00 Deposited a marked stone, 12 ins. in the ground, for cor. to secs. 7, 8, 17, 18, dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T: 22 N. S: ^{on N. E. R. 15 E. 8 17} on S: E: S: 18 on S: W: and S: 7 on N, W, faces, with 4 notches on S and 6 notches on E, edges.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sage.

Township

32 N

Range

18 E

Gila and Salt River

Meridian.

Chains

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

Variation $8^{\circ} 30'$ East.*Ascend.*

40.00

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

79.91

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

E. 9. 16. 17 from which corner, I run

N $89^{\circ} 62'$ W. on a true line between sections 8 & 17Variation $8^{\circ} 30'$ East.

37.96

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

79.91

The corner to sections 7. 8. 17. 18

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

March 17, 1883.

A. P. Johnson

Township 22 N Range 18 E

Gila and Salt River Meridian.

Chains

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

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

77.36- Intersect W. B. of Tp. 36- lks. N. of cor. to secs.

7. 12. 13. 18
 which is a basalt-
 stone $20 \times 8 \times 8$ ins. 15 ins
 in the ground marked
 with 4 notches on S. and
 2 notches on N. edges with
 a mound of stone
 alongside
 from which corner, I run

N. $89^{\circ} 46'$ E. on a true line, between sections 7 & 18
 Variation $13^{\circ} 30'$ East.

37.35- 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, $18 \times 18 \times 12$ 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 around post.

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

Land rolling.

Soil 3° rate

Vegetation Grass & Sage.

March 17. 1888. G. M. Carson.
 Compassman.

Township

22 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

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

Descend.

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.

80.00

Deposited a marked stone, 12 ins. in the ground, for co. secs. 5, 6, 7, 8, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. square, 2 ft. long, 12 ins. in the ground, marked T. 22 N. S. 5 on N. E. R. 18 E. S. 8 on S. E. S. 7 on S. W and S. 6 on N. W faces, with 5 notches on S. and 5 notches on E. edges.

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township 22 N. Range 18 E.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 5 and 8.
 Variation 18° 30' East.

Ascend.

40.00 Set temporary 1/4 Sec. Cor.

80.27 Intersect N. & S. line. 11 lks. N. of cor. to secs.
 4, 5, 8, 9 from which corner, I run
 N. 89° 55' W. on a true line between sections 5 & 8
 Variation 18° 30' East

40.13 Set a Basalt-stone 18 x 12 x 4 ins., 12
 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.
 face, and raised a mound of stone alongside. Pits
 impracticable.

80.27 The corner to sections 5, 6, 7, 8

Land rolling.

Soil 3° rate

Vegetation Grass & Sagebrush.

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

March, 17, 1883
 A. P. Johnson.

Township 22 N.

Range 18 E.

18 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 30' East.

Descend.

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

77.23 Intersect W. B. of Tp. 22 N. N. of cor. to secs.

1. 6. 7. 12°
 which is a mound of earth
 2 ft. high, $4\frac{1}{2}$ ft. base with pits 18x18x12
 ins. in each dir. $5\frac{1}{2}$ ft. dist. In S.E. pit
 a stake 2 ins. square set firmly in
 the ground, marked T. 22 W. S. 6 on N.E.
 R. 18 E. S. 7 on S.E. R. 17 E. S. 12 on S.W. and S.
 on W.W. faces, with 5 inches on S. & 1 inch on N. edge
 from which corner, I run

N. 89° 51' E. on a true line, between sections 6 & 7

Variation 13° 30' East.

37.23

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.

77.23

The corner to sections 5. 6. 7. 8

Land rolling.

Soil 3rd rate

Vegetation Grass & Sagebrush.

Township

Range

Gila and Salt River

Meridian.

Chains

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

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

Descend.

40.00

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

70.09

Cross Wash, 80 lks. wide, Course W and ascend.

77.63

Intersect $N.B.$ of Tp. 30 lks. W of cor. to secs.
previously set by me.

S. 6. 61. 82 from which corner, I run

S. 12' W on a true line, between sections 5 & 6Variation $13^{\circ} 30'$ East.

32.63

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

74.63

The corner to sections 6, 7, 8

Land rolling.

Soil B^o rate

Vegetation Grass & Sagebrush

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

March 17, 1883

G. M. Carson.

Compassman.

GENERAL DESCRIPTION.

The land in this Township is generally rolling. It is everywhere tolerably sandy with a good coating of grass.

It has plenty of Sage but very little timber which is Juniper.

There are three Barrens in the N. E. part of the Tp. Chasing, Cattle and another one

A wash heads in Sec. 12 and leaves the Tp. on W. B. There is another run through the S. part of the township. The soil is 3rd rate.

The Tp. is well adapted to grazing purposes.

For Final Oaths see
Book No. 19 -

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

The foregoing Field Notes of the survey of the
Subdivision lines of Township
22 North, Range 18 East

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

J. W. Robbins

Surveyor General.