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~~Book No. 12~~

BOOK 293

C. D. Wheeler Deputy Surveyor.

T. *18 N* R. *30 E*

Gila and Salt River Meridian.

No-293

FIELD NOTES

OF BOOK 293

THE SUBDIVISION LINES OF

Township *18 N* Range *30 E*

Gila and Salt River Meridian.

293

BY

C. D. Wheeler Deputy Surveyor.

Under his Contract of *July 14* 188*2*

Survey Commenced *April 20* 188*3*

Survey Completed *April 28* 188*3*

No-293

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Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes.	Lks.	Minutes.	Lks.	Minutes.	Lks.
1	2½	21	49	41	95½
2	4½	22	51½	42	98
3	7	23	53½	43	100½
4	9½	24	56	44	102½
5	11½	25	58½	45	105
6	14	26	60½	46	107½
7	16½	27	63	47	109½
8	18½	28	65½	48	112
9	21	29	67½	49	114½
10	23½	30	70	50	116½
11	25½	31	72½	51	119
12	28	32	74½	52	121½
13	30½	33	77	53	123½
14	32½	34	79½	54	126
15	35	35	81½	55	128½
16	37½	36	84	56	130½
17	39½	37	86½	57	133
18	42	38	88½	58	135½
19	44½	39	91	59	137½
20	46½	40	93½	60	140

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Table for Running on Slopes.

In the following table the first column shows the angle, the second, the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.
0		0		0		0	
4	0·24	11	1·88	18	5·14	25	10·54
5	0·38	12	2·24	19	5·76	26	11·26
6	0·55	13	2·63	20	6·42	27	12·24
7	0·76	14	3·06	21	7·11	28	13·37
8	0·98	15	3·53	22	7·85	29	14·34
9	1·24	16	4·02	23	8·64	30	15·47
10	1·55	17	4·56	24	9·47	35	22·07

O. D. Wheeler

Deputy Surveyor.

T.

18 N.

R.

30 E.

Gila and Salt River Meridian.

No-299

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

BY

O. D. Wheeler

Deputy Surveyor.

Under his Contract of

July 17 1882

Survey Commenced

April 20 1883

Survey Completed

April 28 1883

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

1A

Township 18 North, Range 30 East

Sida 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

OK.

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Township

Range

Meridian.

No - 299

For preliminary notes and 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 Brennel of Cassel Germany in 1881

Before proceeding to subdivide this Tp., I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

Township

(See previous page.)

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

From the corner to Sections 35, 36, 1 and 2 on the South boundary. *f 77*

Which is a post 4 ft. long, 4 ins. sq. 12 ins. in the ground, marked T, 18 N. S. 30 on N. E., R. 30 E., S. 1 on S. E., T. 17 N. S. 2 on S. W. and S. 35 on N. W. faces, with 1 notch on E. and 5 notches on W. edges, with pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and a mound of earth 2 ft. high, 4 1/2 ft. base around ^{post} North between sections 35 & 36

Variation 14° 19' East.

Ascend.

40.00

Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on W. 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.

53.00

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, 25, 26, 35 & 36 marked T, 18 N. S. 25, on N, E, R, 30 E., S. 30 on S, E, S, 35 on S, W, and S, 26 on N, W, face with 1 notch on S, and 1 notch on E, edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land rolling.

Timber of cedar.

Soil 2nd rate.

Vegetation. Grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

Descend.

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

57.00 Cross low Sag and ascend.

80.59 Intersect E. B. of Tp. 16 Ns. S. of cor. to secs.

25, 30, 31 & 36 which is a post 4 ft. long, 4 ins. square, 12 ins. in the ground, marked J. 18 N. S. 30 on N. E. R. 31 E. S. 31 on S. E. R. 30 E. S. 36 on S. W. and S. 25 on N. W. faces, with 1 notch on S. and 5 notches on N. edge, with pits 18 x 18 x 12 ins. in each Sec. $5\frac{1}{2}$ ft. dist. and a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post. from which corner, I run

S. 89° 53' W. on a true line, between sections 25 & 36

Variation

14° 11'

East.

40.29

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

80.59

The corner to sections 25, 26, 35 & 36

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation

14° 7'

East.

Descend. gradually

16.30

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.

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, 18 N. S. 24, on N. E. R. 30 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 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 7'$ East.

Ascend.

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

37.20 Cross low Sag and ascend.

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

80.11 Intersect E. B. of Tp. 29 1/2 S. of cor. to secs.

19, 24, 25 & 30 which is a post 4 ft. long, 4 ins. dia. 12 ins. in the ground, marked S. 18 N. S. 19 on N. E. R. 31 E. S. 30 on E. R. 20 E. S. 25 on S. W. and S. 24 on N. W. faces, with 2 notches on S. and 4 notches on N. edges, with pits 18 x 18 x 12 ins. in each sec, 5 1/2 ft. dist. and a mound of earth 2 ft. high, 4 1/2 ft. base around post. from which corner, I run

S. $89^{\circ} 48'$ W. on a true line, between sections 24 & 25

Variation $14^{\circ} 11'$ East.

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

80.11 The corner to sections 23, 24, 25 & 20

Land mountainous

Soil 2nd rate

Timber of Cedar.

Vegetation. Grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation

14° 7'

East.

Ascend.

40.00

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

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, N. S. 13, on N, E, R, 30 E., S. 24 on S, E, S, 23 on S. W, and S, 14 on N, W, face with 3 notches on S, and 1 notch on E, edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township 18 N. Range 30 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 7' East.

Descend.

40.00 Set temporary 1/4 Sec. Cor.

7991 Intersect E. B. of Tp. 7. 1/4 Sec. S. of cor. to secs.

13. 18. 19 & 24 Which is a post 4 ft. long 4 ins. dia. 12 ins. in the ground, marked T. 18 N. S. 18 on N. E. R. 31 E. S. 19 on S. E. R. 30 E. S. 24 on S. W. & S. 13 on N. W. faces with 3 notches on S. and 3 notches on N. edges, with pits 18 x 18 x 12 ins. in each dir. 5 1/2 ft. dist. and a mound of earth 2 ft. high, 4 1/2 ft. base around post. from which corner, I run

S. 89° 57' W on a true line, between sections 13 & 24

Variation 14° 11' East.

3996

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

7991

The corner to sections 13. 14. 23 & 24

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

Variation

14° 7'

East.

Descend.

40.00

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

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, 18 N, S. 12, on N, E, R, 30 E, S. 13 on S, E, S, 14 on S, W, and S, 11 on N, W, face with 4 notches on S, and 1 notch on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township 18 N Range 30 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 12 and 13.
Variation 14° 7' East.

Ascend.

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

79.79 Intersect E. B. of Tp. 19 lks. S. of cor. to secs.
7. 12. 13 & 18 Which is a post 4 ft. long
4 ins. sq. 12 ins. in the ground, marked
T. 18 N., S. 7 on N. E. R. 31 E. S. 18 on S. E. R. 30 E.
S. 13 on S. W. and S. 12 on N. W. faces, with 4 notches
on S. and 2 notches on N. edges, with
bits 18 x 18 x 12 ins. in each Sec. $5\frac{1}{2}$ ft. dist.
and a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
around post from which corner, I run
S. 89° 57' W. on a true line, between sections 12 & 13
Variation 14° 11' East.

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

79.79 The corner to sections 11. 12. 13 & 14
Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Chains

North, between Sections 11 and 12.

Variation

14° 7'

East.

Ascend.

2.00 leave Timber, bear N. E. & S. W.

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.

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, 18 N. S. | , on N, E, R, 30 E, S. 12
on S, E, S, 11 on S, W, and S, 2 on N, W, face
with 6 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 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

April 20. 1883

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

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

79.98 Intersect E. B. of Tp. 11 1/2 S. of cor. to secs.

1. 6. 7 & 12 Which is a post-4 ft. long
4 ins. dia. 12 ins. in the ground marked
T. 18 N. S. on N. E. R. 31 E. S. 7 on S. E. R. 30 E.
S. 12 on S. W. & S. 1 on N. W. faces, with 5 notches
on S. and 1 notch on N. edges, with pits
18 x 18 x 12 ins., in each Sec., 5 $\frac{1}{2}$ ft. dist., and
a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base around
post. from which corner, I run

S. 89° 55' W. on a true line, between sections 1 & 12

Variation

14° 11'

East.

39.99

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

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

N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
post 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft.
high, 3 $\frac{1}{2}$ ft. base around post.

79.98

The corner to sections 1. 2. 11 & 12

Lima rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township 18 N.

Range 30 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

*Ascend.**Enter Timber,**Top of Ridge, bears**and descend.*

40.00

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

57.00

Top of ridge, bearing N. 15° E. and S. 15° W.

80.39

Intersect N. B. of Tp. 43 Ws. E. of cor. to secs.

1. 2. 35 & 36 Which is a post 4 ft. long
4 ins. sq. 12 ins. in the ground marked
T. 19 N. S. 36 on N. E. R. 30 E. S. 1 on S. E. T. 18 N.
S. 2 on S. W. and S. 35 on N. W. faces, with 1 notch
on E. and 5 notches on W. edges, with pits
18 x 18 x 12 ins. in each Sec, $5\frac{1}{2}$ ft. dist. and a
mound of earth 2 ft. high $4\frac{1}{2}$ ft. base around
post. from which corner, I run

S. 16° E. on a true line, between sections 1 & 2

Variation

14° 7'

East.

40.39

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

80.39

The corner to sections 1, 2, 11 & 12
Land mountainous

Soil 2nd rate

Timber of Cedar.

Vegetation. Grass & sage.

Chains

2.3.

From the corner to sections, 34, 35 in S.B. T₁
 Which is a post; 4 ft. long. Horiz square
 12 ins. in the ground, marked T. 18 N.
 S. 35 on N. E. R. 30 E. S. 2 on S. E. T. 17 N.
 S. 30 on S. W. and S. 34 on N. W. faces, with 2 notches
 on E. and 4 notches on W. edges, with
 pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,
 and a mound of earth 2 ft. high, 4½ ft. base around
 post.
 North between sections 34 & 35

Variation 14° 19' East.

Ascend.

40.00

Set a post 3 ft. long, 3 ins. diam. with marked stone
 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on
 W. face, dug pits, 18 x 18 x 12 ins., N. and S. of
 post 5½ ft. dist., and raised a mound of earth 1½ ft.
 high, 3½ 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. 26, 27, 34 & 35
 marked T. 18 N. S. 26, on N. E. R. 30 E., S. 35
 on S. E. S. 34 on S. W. and S. 27 on N. W. face
 with 1 notch on S. and 2 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 2nd rate Timber of cedar,

Vegetation grass & sage

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 7'$ East.*Ascend.*

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

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

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

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

S. $89^{\circ} 57' W.$ on a true line between sections 26 & 35Variation $14^{\circ} 7'$ East

39.81 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.

79.62 The corner to sections 26, 27, 34 & 35

Land mountainous

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township 18 N Range 30 E

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation - 14° 7' East.

Descend.

40.00

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

70.40

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, 22, 23, 26, & 27 marked T, 18 N. S. 23, on N, E, R, 30 E, S. 26 on S, E, S, 27 on S, W, and S, 27 on N, W, face with 2 notches on S, and 2 notches on E, edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. Grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

Ascend.

40.00

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

79.89

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

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

N. 89° 54' W. on a true line between sections 23 & 26

Variation

14° 7'

East

39.94

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

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

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

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

79.89

The corner to sections 22, 23, 26 & 27

Land rolling.

Soil

2nd

rate

Timber of

cedar.

Vegetation.

grass & sage.

Township 18 N Range 30 E

Gila and Salt River Meridian.

Chains North, between Sections 22 and 23.

Variation 14° 7' East.*Ascend.*31.50 *Leave timber bears E. & W.*

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.*

67.00 *Top of Ridge, bears E. & W. and descend.*

80.00 *Set a post 4 ft. long, 4 ins. square, with marks: same 12 ins. in the ground, for Cor. to Secs. 14, 15, 22 & 23 marked T, 18 N. S. 14, on N, E, R, 30 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 good rate**Timber of Cedar.**Vegetation. grass & sage.*

Township 18 N.

Range 30 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 7'$ East.

Descend.

Enter open timber.

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

79.73 Intersect N. & S. line, 41 lks. N. of cor. to secs.

13.14.23 & 24 from which corner, I run

N. $89^{\circ} 42' W.$ on a true line between sections 14 & 23Variation $14^{\circ} 7'$ East

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

79.73 The corner to sections 14, 15, 22 & 23

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation

14° 7'

East.

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.

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, 18 N. S, 11, on N, E, R, 30 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 rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

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

7/23 Cross Wash, 5 lks. wide, Course S. 10° W and ascend.

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

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

S 89° 55' W. on a true line between sections 11 & 14

Variation

14° 7'

East

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

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

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

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

80.12 The corner to sections 10, 11, 14 & 15

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

April 21, 1883

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation

14° 7'

East.

Descend.

40.00

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

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 9, 3, 10 & 11 marked T, 18 N S, 2, on N, E, R, 30 E, S. // 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 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Chains

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

Variation

14° 7'

East.

Ascend.

5.00 Leave Timber, bears N.W. & S. E.

34.50 Top of Spur, bears N. 15° W. & S. 15° E. and descend.

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

80.31 Intersect N. & S. line, 33 lks. S. of cor. to secs.

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

S 89° 46' W. on a true line between sections 2 & 11

Variation

14° 7'

East

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

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

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

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

80.31 The corner to sections 2, 3, 10 & 11

Land mountainous

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township 18 N Range 30 E

Gila and Salt River Meridian.

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

Variation $14^{\circ} 7'$ East.

Ascend.

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

80.09 Intersect N. B. of Tp. 20 lks. E. of cor. to secs.

2, 3, 34 & 35 Which is a post 4 ft. long, 4 ins. diam. 12 ins. in the ground, marked T. 19 N. S. 25 on N. E. R. 30 E. S. 2 on S. E. T. 18 N. S. 3 on S. W. and S. 34 on N. W. faces, with pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base, around post.

from which corner, I run

S. 11' E. on a true line, between sections 2 & 3

Variation $14^{\circ} 7'$ East.

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

80.09 The corner to sections 2, 3, 10 & 11

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

From the corner to sections, ^{3, 4} 33 & 34 - on S. B. T. P.
 Which is a post 4 ft. long, 4 ins. sq.
 12 ins. in the ground, marked T. 18 N.
 S. 34 on N. E. R. 30 E., S. 3 on S. E. T. 17 N. S. 4 on
 S. W. & S. 33 on N. W. face, with 3 notches on
 E. and 3 notches on W. edges, with
 pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist. and
 a mound of earth 2 ft. high, 4½ ft. base ^{around}
 North between sections 33 & 34

Variation 14° 19' East.

Descend.

Enter Timber.

400 0

Set a post 3 ft. long, 3 ins. diam. with marked stone
 12 ins. in the ground, for ½ Sec. Cor., marked ½ S. on
 W. face, dug pits, 18 x 18 x 12 ins., N. and S. of
 post 5½ ft. dist., and raised a mound of earth 1½ ft.
 high, 3½ 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. 27, 28, 33 & 34
 marked T, 18 N. S. 27, on N. E. R. 30 E., S. 34
 on S. E. S. 33 on S. W. and S. 28 on N. W. face
 with 1 notch 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.

Timber of cedar.

Soil 2nd

rate Vegetation. grass & sage.

Township 18 N Range 30 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 7'$ East.*Ascend.*

608 Cross Road, bears N. 10° W. & S. 10° E.

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

79.93 Intersect N. & S. line, 33 lks. N. of cor. to secs.

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

N. $89^{\circ} 40'$ W. on a true line between sections 27 & 34Variation $14^{\circ} 7'$ East

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

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

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

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

79.93 The corner to sections 27, 28, 33 & 34

Land mountainous

Soil 2nd rate

Timber of cedar.

Vegetation. Grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation

14° 7'

East.

Descend.

22.50 Cross Road, to Houcke Ranch bears N. 10° W. c. 10° E.

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

80.00 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, / 8 N. S. 22, on N, E, R, 30 E., S. 27
on S, E, S, 28 on S, W, and S, 21 on N, W, face
with 2 notches on S, and 3 notches on E, edges,
dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist.,
and raised a mound of earth 2 ft, high, $4\frac{1}{2}$ ft, base
around post.

Land mountainous & rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

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

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

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

N. 87° 56' W. on a true line between sections 22 & 27

Variation

14° 7'

East

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

79.68 The corner to sections 21, 22, 27 & 28

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

North, between Sections 21 and 22.

Variation

14° 7'

East.

Ascend.

15.50 Top of Ridge, bears N. 60° E. & S. 60° W. and descend.

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

80.00 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 T, $\frac{1}{8}$ N. S. 15, on N, E, R, 30 E., S. 22
on S, E, S, 21 on S, W, and S, 16 on N, W, face
with 3 notches on S, and 3 notches on E, edges,
dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.,
and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
around post.

Land mountainous & rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township 18 N Range 30 E

Gila and Salt River Meridian.

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

Variation $14^{\circ} 7'$ East.

Ascend.

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

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

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

 $S 89^{\circ} 51' W.$ on a true line between sections 15 & 22.Variation $14^{\circ} 7'$ East

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

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

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

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

79.96 The corner to sections 15. 16. 21 & 22

Land rolling.

Soil 2nd rate

Timber of cedar,

Vegetation. grass & sage.

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

April 23. 1883

Chains

North, between Sections 15 and 16.

Variation

14' 7'

East.

*Descend.*32.50 *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 $\frac{1}{2}$ 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.*

49.20 *Top of Ridge, bears S. 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. 9, 10, 15 & 16 marked T, 18 N. S. 10, on N, E, R, 30 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.*

*Land mountainous & rolling.**Soil 2nd rate**Timber of cedar.**Vegetation. grass & sage.*

Township 18 N Range 30 E

Gila and Salt River Meridian.

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

Variation $14^{\circ} 7'$ East.

Ascend.

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

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

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

N. $89^{\circ} 52'$ W. on a true line between sections 10 & 15Variation $14^{\circ} 7'$ East

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

80.24 The corner to sections 9, 10, 15 & 16

Land rolling.

Soil good rate

Timber of Cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian

Chains

North, between Sections 9 and 10.

Variation $14^{\circ} 7'$ 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. 3, 4, 9 & 10 marked T, 18 N. S. 3, on N, E, R, 30 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., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land mountainous & rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township 18 N Range 30 E

Gila and Salt River Meridian.

Chains East, on a random line between Sections 3 and 10.
 Variation $14^{\circ} 7'$ East.

Ascend.

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

80.13 Intersect N. & S. line, 28 lks. N. of cor. to secs.

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

N. $89^{\circ} 48' W.$ on a true line between sections 3 & 10Variation $14^{\circ} 7'$ East

4006 Set a post 3 ft. long, 3 ins. diam. with marked stone
 12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on
 N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
 post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
 high, $3\frac{1}{2}$ ft. base around post.

80.13 The corner to sections 3, 4, 9 & 10

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Chains

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

Variation

14° 7'

East.

Descend.

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

79.87 Intersect N.B. of Tp. 12 lks. W. of cor. to secs.

3. 4. 33 & 34 Which is a post 4 ft. long, 4 ins. sq. 12 ins. in the ground, marked 319 N. S. 34 on N.E. R. 30 E., S. 30 on S.E. T. 18 N., S. 4 on S.W. and S. 33 on N.W. faces, with 3 notches on E. and 3 notches on W. edge, with pits 18 x 18 x 12 ins., in each Sec. $5\frac{1}{2}$ ft. dist. and a mound of earth, 2 ft. high, $4\frac{1}{2}$ ft. base around post. from which corner, I run

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

Variation

14° 7'

East.

39.87

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

79.87

The corner to sections 3. 4. 9 & 10

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

April 24. 1883

Gila and Salt River Meridian.

Chains

45-
From the corner to sections, 32 & 33 on S. B. T. P.
Which is a post 4 ft. long, 4 ins. sq. 12 ins. in
the ground, marked T. 18 N. S. 33 on N. E.
R. 30 E. S. 4 on S. E. T. 17 N. S. 3 on S. W.
and S. 32 on N. W. face, with 4 notches on E.
and 2 notches on W. edges, with pits
18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and
a mound of earth 2 ft. high, 4 1/2 ft. base around post.
North between sections 32 & 33

Variation 14° 19' East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone
12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on
W. 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.

63.64 Cross low Sag and ascend.

73.00 Top of Ridge bears N. 13° W. & S. 13° E. and descend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone
12 ins. in the ground, for Cor. to Secs. 28, 29, 32 & 33
marked T, 18 N. S. 28. on N. E. R. 30 E., S. 33
on S. E. S. 32 on S. W. and S. 29 on N. W. face
with 1 notch on S. and 4 notches on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,
and raised a mound of earth 2 ft. high, 4 1/2 ft. base
around post.
Land mountainous Timber of cedar.
Soil 2nd rate Vegetation. grass & sage.

Chains

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

Variation $14^{\circ} 7'$ East.*Ascend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

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

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

N. $89^{\circ} 52'$ W. on a true line between sections 28 & 33Variation $14^{\circ} 7'$ East

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

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

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

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

79.76 The corner to sections 28, 29, 32 & 33

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation

11° 7'

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 $\frac{1}{2}$ 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. 20, 21, 28, 29 marked T, 18 N. S. 21, on N, E, R, 30 E, S. 28 on S, E, S, 29 on S, W, and S, 20 on N, W, face with 2 notches on S, and 4 notches on E, edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township 18 N. Range 30 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 7'$ East.*Ascend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.66.90 Cross Road, bears, $S. 49^{\circ} E.$ & $N. 49^{\circ} W.$

80.33 Intersect N. & S. line, 27 lks. S. of cor. to secs.

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

 $S. 89^{\circ} 48' W.$ on a true line between sections 21 & 28Variation $14^{\circ} 7'$ East

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

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

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.

80.33 The corner to sections 20, 21, 28 & 29

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage

Chains

North, between Sections 20 and 21.

Variation

14° 7'

East.

Ascend.

14.50 Top of Ridge, bears E. e W. and descend.

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

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. 16, 17, 20 & 21 marked T, 18 N. S. 16, on N, E, R, 30 E., S. 21 on S, E, S, 20 on S, W, and S, 17 on N, W, face with 3 notches on S, and 4 notches on E, edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

*Land mountainous*Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

*Descend.*15.30 *Cross low Sag and ascend.*40.00 *Set temporary 1/4 Sec. Cor.*47.00 *Cross Road, bears, N. & S.*80.47 *Intersect N. & S. line, 11 lks. S, of cor. to secs.**15. 16. 21 & 22 from which corner, I run**S. 89° 55' W. on a true line between sections 16 & 21*

Variation

14° 7'

East

4023

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

80.47

*The corner to sections 16. 17. 20 & 21**Land rolling.**Soil 2nd rate**Timber of cedar.**Vegetation. grass & sage.*

Township 18 N Range 30 E

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation 14° 7' 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.

44.70 Top of Ridge, bears E. e W. and descend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone
12 ins. in the ground, for Cor. to Secs, 8, 9, 16 e 17
marked T, $\frac{1}{8}$ N. S. 9, on N, E, R, 30 E, S. 10
on S, E, S, 17 on S, W, and S, Q 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 mountainous

Soil 2nd rate

Timber of Cedar.

Vegetation. grass e sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

Descend. gradually in timber.

29.50 Cross Road, N. 25° W. & S. 25° E.

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

79.95 Intersect N. & S. line, 4 lks. N of cor. to secs.

9.10. 15 x 10 from which corner, I run

N. 89° 58' W. on a true line between sections 9 & 10

Variation

14° 7'

East

37.77

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 8. 9. 10 & 17

Land rolling.

Soil

2nd

rate

Timber of cedar.

Vegetation. grass & sage.

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

April 25. 1883

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation 14° 7' East.

Ascend.

16.50 Top of Riège, bears S. 35° W. N. 35° E and descend.

42.00 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 W. 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.

57.10 Cross Road, N 20° W. x S. 20° E.

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, 18 N, S, 4, on N, E, R, 30 E, S, 9 on S, E, S, 8 on S, W, and S, 5 on N, W, face with 5 notches on S, and 4 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5 1/2 ft, dist., and raised a mound of earth 2 ft, high, 4 1/2 ft, base around post.

Land mountainous

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Chains

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

Variation

14° 7'

East.

Ascend.

15.50 Top of Spur, bears S 60° E. N 60° W and descend.

40.00 Set temporary 1/2 Sec. Cor.

80.29 Intersect N. & S. line, 16 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

14° 7'

East

40.14

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

12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on

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

post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.

high, 3 1/2 ft. base around post.

80.29

The corner to sections 4, 5, 8 & 9

Land mountainous & rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

Ascend.

22.00 Top of Ridge, bears S 85° E. & N 85° W and descend.

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

80.11 Intersect N. B. of Tp. 21 lks. W. of cor. to secs.

4.5. 32 & 33 Which is a post 4 ft. long, 4 ins. sq. 12 ins. in the ground, marked T. 19 N. S. 33 on N. E. R. 30 E., S. 4 on S. E., T. 18 N. S. 5 on S. W. and S. 32 on N. W. faces, with 4 notches on E. and 2 notches on W. edges, with pits 18 x 18 x 12 ins. in each sec, $5\frac{1}{2}$ ft. dist. and a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post. from which corner, I run

S. 9' W. on a true line, between sections 4 & 5

Variation

14° 7'

East.

40.11

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.

80.11

The corner to sections 4.5. 8 & 9

Land mountainous

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

From the corner to sections, ^{5/6} 31, 32 on S.B. T.P. -
 Which is a post - 4 ft. long, 4 ins. sq. 12 ins.
 in the ground marked T. 18 N., S. 32 on
 N. & R. 30 E., S. 5 on S. E. T. 17 N. S. 6 on S. W.
 and S. 31 on N. W. faces, with 5 notches on E.
 and 1 notch on W. edges, with pits 18 x 18 x 12
 in each Sec. 5 1/2 ft. dist., and a mound of
 earth 2 ft. high, 4 1/2 ft. base around post.
 North between sections 31 & 32

Variation 14° 19' East.

Ascend.

40.00

Set a post 3 ft. long, 3 ins. diam. with marked stone
 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on
 W. 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.

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. 18 N. S. 29, on N. E. R. 30 E., S. 31
 on S. E. S. 31 on S. W, and S. 30 on N. W, face
 with 1 notch on S, and 6 notches on E, edges,
 dug pits 18 x 18 x 12 ins, in each Sec., 5 1/2 ft. dist.,
 and raised a mound of earth 2 ft, high, 4 1/2 ft. base
 around post.

1 Cedar 9 ins, diam, bears N 22° E from which
 marked T. 18 N. R. 30 E. S., 29 B. T. 40 lbs, dist,

No other trees within limits.

Land mountainous

Soil rate

Timber of Cedar

Vegetation. Grass & Sage

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

Descend.

40.00

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

80.39 Intersect N. & S. line, 147 lks. S. of cor. to secs.

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

S. 89° 40' W. on a true line between sections 29 & 32

Variation

14° 7'

East

40.19

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.

80.39

The corner to sections 29, 30, 31 & 32

Land rolling.

Soil

2⁰⁰⁰

rate

Timber of

cedar.

Vegetation.

grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

Ascend.

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

79.39 Intersect W. B. of Tp. 23 lks. N. of cor. to secs.

25, 30, 31 & 36 Which is a post 4 ft. long, 4 ins. sq. 12 ins. in the ground marked S. 18 N. S. 30 N. E. R. 30 E. S. 31 on S. E. R. 29 E. S. 30 on S. W. and S. 25 on N. W. faces, with 1 notch on S. and 5 notches in N. edges, with pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. under mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post. from which corner, I run

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

Variation

14° 14'

East.

39.39

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.

79.39

The corner to sections 29, 30, 31 & 32.

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18 N

Range

30 E

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation

14° 7'

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. 19, 20, 29 & 30 marked T, N, S, 20, on N, E, R, 30 E., S. 29 on S, E, S, 30 on S, W, and S, 19 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 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township 18 N. Range 30 E.

Gila and Salt River Meridian.

- Chains East, on a random line between Sections 20 and 29.
Variation $14^{\circ} 7'$ East.
- Descend.
- 5.70 Cross low Sag and ascend.
- 40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
- 50.75 Cross Trail, bears N.W. & S.E.
- 80.17 Intersect N. & S. line, 13 lks. S. of cor. to secs.
20, 21, 28 & 29 from which corner, I run
 $S. 89^{\circ} 54' W.$ on a true line between sections 20 & 29
Variation $14^{\circ} 7'$ East
- 40.08 Set a post 3 ft. long, 3 ins. diam. with marked stone
12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on
N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around post.
- 80.17 The corner to sections 19, 20, 29 & 30
Land rolling.
Soil 2nd rate
Timber of cedar.
Vegetation. grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

Ascend.

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

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

79.50 Intersect W. B. of Tp. 14 Ns. S. of cor. to secs.

19.24.25 & 30 Which is a post 14 ft. long, 4 in. dia. 29. 12 ins. in the ground, marked T. 18 N. S. 19 on N.E. R. 30 E. S. on S.E. R. 29 E. S. on S.W. and S. 24 on N.W. faces with 2 notches on S. and 4 notches on N. edges, with pits 18 x 18 x 12 ins. in each Sec. 5 $\frac{1}{2}$ ft. dist., and a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base around post, from which corner, I run

S. 89° 54' E. on a true line, between sections 19 & 30

Variation

14° 14'

East.

39.50

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.

79.50

The corner to sections 19, 20, 29 & 30

Land mountainous

Soil $\frac{2}{3}$ rate

Timber of cedar.

Vegetation. grass & sage. April 20. 1883

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation

14° 7'

East.

Ascend.

40.00

Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground,
for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on W. face; from which
a Pine 14 ins, diam. bears N. 44 $\frac{1}{2}$ ° E. 125 kts. dist.
marked $\frac{1}{2}$ S. B. T.

a Cedar 12 ins, diam, bears S. 80° W. 30 kts, dis.,
marked $\frac{1}{2}$ S. B. T.

60.00

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

65.00

Leave Timber, bears E. e W.

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, 18 N. S. 17, on N, E, R. 30 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,
dig 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 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township 18 N. Range 30 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 17 and 20.
Variation $14^{\circ} 7'$ East.

Descend. gradually in timber.

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

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

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

S. $89^{\circ} 46'$ W. on a true line between sections 17 & 20

Variation $14^{\circ} 7'$ 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.

80.20 The corner to sections 17, 18, 19 & 20

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township 18 N. Range 30 E.
Gila and Salt River Meridian.

Chains West, on a random line between Sections 18 and 19.
Variation $14^{\circ} 7'$ East.

Ascend.

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

20.50 Enter Timber $N. \& S.$

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

79.41 Intersect W. B. of Tp. 52 lks. S. of cor. to secs.

13, 18, 19 & 24 Which is a post 4 ft. long, 4 ins. sq. 12 ins. in the ground marked
S. 18 on S. 18 on N. E. R. 30 E. S. 19 on S. E. R. 29 E.
S. 24 on S. W. and S. 13 on N. W. faces with 3 notch
on S. and 3 notches on N. edges, with pits
18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and
a mound of earth 2 ft. high, 4 ft. base
around post. From which corner, I run

$S. 89^{\circ} 38' E.$ on a true line, between sections 18 & 19
Variation $14^{\circ} 14'$ East.

39.41 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.

79.41 The corner to sections 17, 18, 19 & 20
Land mountainous

Soil 2nd rate

Timber of Cedar.

Vegetation grass & Sage.

Township, 18 N. Range, 30 E.

Gila and Salt River Meridian.

Chains North, between Sections 17 and 18.
Variation $14^{\circ} 7'$ East.

Descend.

2.00 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 $\frac{1}{2}$ 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.46.50 Top of Spur, bears S. 80° W. $N. 80^{\circ}$ E. and descend.66.00 A House bears \odot H. 15 lks, dist,70.00 Cross Wash, 10 lks. wide, Course S. 65° E. and ascend.77.30 Top of Spur, bears S. 70° W. $N. 70^{\circ}$ E. and descend.80.00 Set a post 4 ft. long, 4 ins. square, with marks...
12 ins. in the ground, for Cor. to Secs. 17 & 18,
marked T, 18 N. S. \odot , on N, E, R, 30 \odot , S. 17
on S, E, S, 10 \odot on S, W, and S, 7 on N, W, face
with 4 notches on S, and 5 notches on E, edges,
dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist.,
and raised a mound of earth 2 ft, high, $4\frac{1}{2}$ ft, base
around post.

Land mountainous

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

Township

18

N

Range

30

E

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

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

79.84 Intersect N. & S. line, 27 lks. N. of cor. to secs.

8.9.16 & 17 from which corner, I run

N. 89° 48' W. on a true line between sections 8 & 17

Variation

14° 7'

East

2992

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

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

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

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

79.84

The corner to sections 7. 8. 17 & 18

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township 18 N Range 30 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 7' East.

Descend.

40.00 Set temporary 1/4 Sec. Cor.

79.23 Intersect W. B. of Tp. 16 lks. S. of cor. to secs.

7, 12, 13 & 18 Which is a post 4 ft. long, 4 in. sq. 12 in. in the ground, marked T. 18 N., S. 7 on N. E. R. 30 E., S. 18 on S. E. R. 29 E., S. Bond W. and S. 12 on N. W. faces; with 4 notches on S. and 2 notches on N. edges, with pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and a mound of earth 2 ft. high, 4 1/2 ft. base around post. from which corner, I run

S. 89° 53' E. on a true line, between sections 7 & 18
Variation 14° 14' East.

39.23

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

79.23

The corner to sections 7, 8, 17 & 18

Land rolling.

Soil 2nd rate

Timber of cedar.

Vegetation. grass & sage.

April 27. 1883

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation

14° 7'

East.

Descend.

10.50

Cross low Sag and ascend.

25.50

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

38.50

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 $\frac{1}{2}$ 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. 5, 6, 7 & 8 marked T, 18 N. S. 5, on N, E, R, 30 E, S. & 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 mountainous

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage.

Township

18 N.

Range

30 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 7'$ East.

Descend.

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

56.20 Cross Road, to Hooks Ranch bears N. & S.

79.72 Intersect N. & S. line, 49 lks. N. of cor. to secs.

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

N. $89^{\circ} 39' W.$ on a true line between sections 5 & 8Variation $14^{\circ} 7'$ East

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

79.72 The corner to sections 5, 6, 7 & 8

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. Grass & sage.

Township 18 N. Range 30 E.
Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 7'$ East.

Descend.

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

78.87 Intersect W. B. of Tp. 10 lks. N. of cor. to secs.

1.6.7 = 12 Which is a post 4 ft. long,
4 ins. sq. 12 ins. in the ground, marked
T. 18 N. S. 600 N. E. R. 30 E. S. 700 S. E. R. 29 E.
S. 1200 S. W. and S. 1000 N. W. face, with 5
notches on S. and 1 notch on N. edges, with
pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.,
and a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
around post. from which corner, I run

N. $89^{\circ} 56'$ E. on a true line, between sectionsVariation $14^{\circ} 7'$ East.

38.87

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.

78.87

The corner to sections 5. 6. 7 & 8

Land rolling.

Soil ^{2nd} rate

Timber of Cedar.

Vegetation. grass & sage.

Township

18 N.

Range

30 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 7'

East.

Ascend.

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

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

79.54 Intersect N. B. of Tp. 6 1ks. W. of cor. to secs.

5, 6, 31 & 32 Which is a post 4 ft. long, 4 ins. sq. 12 ins. in the ground, marked S. 19 N. S. 32 on N. E. P. 30 E. S. 5 on S. E. S. 18 N. S. on S. W. & S. 31 on N. W. faces, with 5 notches on E. and 1 notch on W. edge with pits 18 x 18 x 12 ins, in each Sec. $5\frac{1}{2}$ ft. dist, and a mound of earth 2 ft. high, $1\frac{1}{2}$ ft. base around post from which corner, I run

S. 3' W. on a true line, between sections 5 & 6

Variation

14° 7'

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

79.54

The corner to sections 5, 6, 7 & 8

Land rolling.

Soil 2nd rate

Timber of Cedar.

Vegetation. grass & sage. April 28, 1883.

GENERAL DESCRIPTION.

This Township is a high rolling mesa, interspersed with small valleys, covered with a growth of scrub cedar, and an abundance of nutritious grasses, affording excellent grazing.

The soil is a sandy loam, and can be classed as second rate.

A good road passes through this Township running from the Juni Valley to the A. & P. R. R. Juan Trujillo has a house in Sec. 17.

Note, ^{as} The final oaths go in Book, No 19. instead of 13 as, in book,

U. S. Surveyor General's Office,

Tucson, Arizona, June 17, 1884.

The foregoing Field Notes of the Survey of the

Subdivision Lines of
 Township 18 North
 Range 30 East

Of the Gila and Salt River Base and Meridian, Arizona, execu-
 ted by A. D. Wheeler

Deputy Surveyor, under his contract of the 17th

day of July, 1882, having been

critically examined and the necessary corrections and explana-
 tions made, the said Field Notes and the surveys they describe

are hereby approved.

Royall Johnson
 Surveyor General.