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Book No. 1

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A. E. Shoemaker Deputy Surveyor.

T. 16 N. R. 29 E.

Gila and Salt River Meridian.

No - 255 -
FIELD NOTES

BOOK 255

OF

THE SUBDIVISION LINES OF

Township 16 N. Range 29 E.

Gila and Salt River Meridian.

BY

A. E. Shoemaker Deputy Surveyor.

Under his Contract of August 5th 1882.

Survey Commenced July 5th 1883.

Survey Completed July 12th 1883.

255

Entered.

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Copied for Register,*

No - 255 -

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BOOK 255

Township 16 N. Range 29 E.
S. W. S. R. Meridian.

6	60	5	44	4	33	3	22	2	11	1
59		58		43		32		21		10
7	57	8	42	9	31	10	20	11	9	12
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		27	22	16	23	5	24
50		49		37		26		15		4
30	48	29	36	28	25	27	14	20	3	25
47		46		35		24		13		2
31	45	32	34	33	23	34	12	35	1	36

O.T.

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Towns

Preliminary Oaths of Assistants.

I, _____, do solemnly
 swear that I will well and truly perform the duties of _____
 according _____ s given me, and to the best of my
 _____ of the _____

_____ Compassman.

Subscribed and s _____
 day of _____

—————

We, *Thomas Sloney Jm. Chaplin*
 and *Albert Franklin Orlando Lawton*,
 do solemnly swear that we will well and faithfully execute the

duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance

with instructions given us, in the survey of the retracing of the boundary line between Arizona and New Mex. from the 15th st^h to the 156th Mile Post. The 6th Stand Par² north along S. B. Tps 25th N. R. 4. 5. 6 + 7 E. and a portion of the retracing, and subdivisions and subdivisions lines of S. 10 N. R. 19 E. T. 11 N. R. 20 + 23 E. Tps 8 N. R. 27. 630 + 31 E. Tps 16 N. R. 29 + 31 E. S. 20 N. R. 9 E + T. 24 N. R. 7 E G. + D. R. Mex.

Thomas Slowe

, Chainman.

J. M. Chaplin

, Chainman.

Albert Franklin

, Chainman.

Orlando Lawton

, Chainman.

Subscribed and sworn to before me this

5th

day of

July

, 1883.

A. E. Shaenaker

J. H. Commissioner, 3d Judicial District,

Arizona Territory.

We, Theodore Friese
and John Phelan,

do solemnly swear that we will well and truly perform the duties of axemen, in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and

ability, in the survey of the retracing of the boundary line between Arizona and New Mexico, from the 151st to the 156th mile Post, The 6th Stand. Post North along S. 13. Tps 25 N. Rs 4, 5, 6 + 7 E. and a portion of the retracing and exterior and subdivision line of T. 10 N. R. 19 E. Tps 11 N. Rs 20 + 23 E. Tps 8 N. Rs 27, 30 + 31 E. Tps 16 N. Rs 29 + 31 E. T. 20 N. R. 9 E. T. 24 N. R. 7 E. G. + S. R. M.

Theodore Friese, Axeman.

John Phelan, Axeman.

Subscribed and sworn to before me this 5th
day of July, 1883.

A. C. Shoemaker

U. S. Commissioner, 3d Judicial District
Arizona Territory.

I, *A. Black*

do solemnly swear that I will well and truly perform the duties of flagman, according to instructions given me, and to the best of

my skill and ability, in the survey of the retracement of the boundary line between Arizona and New Mexico from the 151st to the 156th mile Post. The 6th Standard Parcel North along S.B. Tps 25 N Rs 4, 5, 6 & 7 E, and a portion of the retracing, extending and subdividing lines of T. 10 N. R. 19 E. Tps 11 N. R. 20 & 23 E. Tps 8 N. Rs 27, 30 & 31 E. Tps 16 N. Rs 29 & 31 E. T. 20 N. R. 9 E & T. 24 N. R. 7 E G. & A. R. M.

A Black, Flagman.

Subscribed and sworn to before me this 5 day of July, 1883

A. E. Shoemaker
U. S. Commissioner, 3d Judicial District,
Arizona Territory.

wship

Range

Meridian.

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

This instrument was examined and
compared by me with the true
meridian at Tucson, Arizona, on
the 5th day of August, 1882 and
found to be in perfect
adjustment.

On the 5th day of July, 1883, I
set my instrument at the
cor. to secs. 1, 2, 35 and 36 on
S. boundary of T. P., carefull
examined it in all its
adjustments and found it
correct. I took the latitude
and found it to be $34^{\circ}42' N.$
and proceed to survey as
follows: —

Township)

16 N,

Range 29 E,

Gila and Salt River Meridian.

Chains

From the corner to Sections 35, 36, 1 and 2 on the South boundary,

which is a sandstone, set firmly in the ground, marked with 1 notch on E. and 5 notches on W. edges, with pits in each sec, 5 1/2 ft. dist., and a mound of earth, in good order, along side,

I run

North between sections 35th and 36.

Descend.

Variation 14° 05' East.

39.53 Cross Wash, 5 lks. wide, Course W.

40.00 Set a lava stone 20 x 10 x 6 ins., 15 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 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.

47.00 Cross Wash, 5 lks. wide, Course W.

56.50 Cross Luni River, 30 lks. wide, course S. 88° W.

80.00 Set a lava stone 16 x 10 x 10 ins., 11 ins. in the ground for Cor. to Secs. 25, 26, 35 & 36, marked 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.

Land rolling.

Soil 3rd rate

Vegetation, bunchgrass.

Township 16 N, Range 29 E,
Gila and Salt River Meridian.

Chains East, on a random line between Sections 25 and 36.
Variation $14^{\circ} 30'$ East.

Ascend.

18.70 Cross Luni Riv^y, 30 lks. wide, course $S. 10^{\circ} W.$

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

79.92 Intersect E. B. of Tp. 17 lks. North of cor. to secs.

25, 30, 31^{and} 36, which is a
lava stone, set firmly in the
ground, marked with 1 notch on
S. ^{and} 5 notches on N. edges, with
a stone mound in good
order along side;

from which corner, I run

$N. 89^{\circ} 53' W.$, on a true line, between sections 25^{and} 36.

Variation $14^{\circ} 13'$ East.

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

79.92 The corner to sections 25, 26, 35^{and} 36,

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township

16 N,

Range

29 E,

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation

14° 35'

East.

Descend.

- 6.20 Cross Road, to Fort Wingate, bears N. E. 2° E. S. W.
- 21.42 Cross Wash, 10 lks. wide, Course S. 80° W.
- 40.00 Set a lava stone 16 x 10 x 10 ins., 11 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.

- 80.00 Set a 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, 16 N S. 24, on N, E, R, 29 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**Vegetation, bunchgrass.*

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

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

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

Descend.

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

44.76 Cross Road, to Fort Wingate, bears N. 80° E. 2^{nd} S. 80° W.
 69.63 Corro Luni River, 50 lks. wide, course S. W. 2^{nd} ascend.
 80.12 Intersect E. B. of Tp. 23 lks. South of cor. to secs.

19, 24, 25 2^{nd} 30, which is a sandstone set firmly in the ground, marked with 2 notches on S. 2^{nd} $\#$ notches on N. edges, with pits in each sec., 5" ft. dia., and a mound of earth in good order along side;

from which corner, I run

S. $89^{\circ}55'$ W. on a true line, between sections 24 2^{nd} 25.Variation $14^{\circ}13'$ East.

40.06 Set a sand stone $14 \times 10 \times 8$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

80.12 The corner to sections 23, 24, 25 2^{nd} 26.

Land rolling.

Soil 2^{nd} rate

Vegetation, bunchy grass.

Township 16 N.

BOOK 255

Range 29 E.

Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

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

- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for $\frac{1}{2}$ 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.
- 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, 16 N. S. 13, on N, E, R, 29 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**Vegetation, bunchgrass.*

Township 16 N. Range 29 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Ascend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

80.09 Intersect E. B. of Tp. 11 1/2 k. South of cor. to secs.

13, 18, 19th & 24, which is a sandstone set firmly in the ground, marked with 3 notches on N. and S. edges, with pits in each sec. 5^{1/2} ft. dist., and a mound of earth in good order alongside;

from which corner, I run

 $S. 89^{\circ} 55' W.$ on a true line, between sections 13th & 24,Variation: $14^{\circ} 13'$ East.

40.04 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.

80.09 The corner to sections 13, 14, 23th & 24,

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township 16 N, Range 29 E,
Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

Variation $140^{\circ} 30'$ East.*Ascend.*

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone
12 ins. in the ground, for $\frac{1}{2}$ 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, 11, 12, 13 & 14
marked T, 16 N S, 12, on N, E, R, 29 E S. 13
on S, E, S, 14 on S, W, and S, 11 on N, W, face
with 4 notch on S, and 1 notch on E, edges,
dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist.,
and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
around post.

*Land rolling.**Soil 2nd rate**Vegetation, bunchgrass.*

Township 16 N., Range 29 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 12 and 13.
Variation $14^{\circ} 30'$ East.

Descend.

22.40 Cross Wash, 3 lks. wide, Course $S.$ and ascend.

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

79.88 Intersect E. B. of Tp. 36 lks. South of cor. to secs.

7, 12, 13^{and} 18, which is a sandstone set firmly in the ground, marked with 4 notches on $S.$ and 2 notches on $N.$ edges, with pits in each sec, $5\frac{1}{2}$ ft. dist., and a mound of earth, in good order alongside;

from which corner, I run

$S. 89^{\circ} 45' W.$ on a true line, between sections 12^{and} 13.

Variation $14^{\circ} 13'$ East.

39.94 Set a sandstone $12 \times 10 \times 6$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on $N.$ face, dug pits $18 \times 18 \times 12$ ins., $E.$ and $W.$ of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

79.88 The corner to sections 11, 12, 13^{and} 14.

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass

Township 16 N. Range 29 E.
Gila and Salt River Meridian.

Chains

North, between Sections 11 and 12.

Variation $14^{\circ} 30'$ East.*Ascend.*35.00 Top of Spur, bears N. W. $\frac{1}{4}$ S. E. and descend.

40.00 Set a sand stone $14 \times 12 \times 8$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 1, 2, 11^{and} 12, marked T, 16 N S, 1, on N, E, R, 29 E, S. 1 2 on S, E, S, 11 on S, W, and S, 2 on N, W, face with 5 notches on S, and 1 notch on E, edges, dug pits $18 \times 18 \times 12$ ins, in each Sec., $5\frac{1}{2}$ ft, dist., and raised a mound of earth 2 ft, high, $4\frac{1}{2}$ ft, base around post.

*Land mountainous.**Soil 2nd rate**Vegetation, bunch grass.**July 5th 1883.*

Township 16 N., Range 29 E.,
Gila and Salt River Meridian.

Chains East, on a random line between Sections 1 and 12.
Variation $14^{\circ} 30'$ East.

Ascend.

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

77.43 *Intersect* Standard cor. to *Sp.*

17 N., R. 29th 30 E, which is a post, set firmly in the ground, marked D. C. J. 17 N. on N.; R. 29 E, S. 36 on W. ^{2nd} and R. 30 E, S. 31 on E. faces, with 6 notches on N, E. ^{2nd} W. faces; with pits, N, E. ^{2nd} W. of post, 6 ft. dist., crosswise on each line, and a mound of earth, in good order, around post, from which corner, I run

West on a true line, between sections 1 and 12.
Variation $14^{\circ} 30'$ East.

38.71 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.

77.43 The corner to sections 1, 2, 11th and 12.

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township 16 N,

Range 29 E,

Gila and Salt River Meridian.

Chains

North, on a ^{true.} ~~random~~ line between Sections 1 and 2.Variation $14^{\circ} 38'$ East.*Descend.*

O. 21 Intersect the 4th Standard Parallel North, at a point 3.13 chs. East of the Standard Cor. to Secs. 35 and 36 . T. 17 N. R. 29 E, which is a

post, set firmly in the ground, marked O. C. 17 N., R. 29 E., on N. 36 on E. and S. 35 on W. faces, with 1 notch on E. and 5 notches on W. faces; with pins in good condition, N., E. and W. of post, and a mound of earth, in good order around post,

and

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{lessing} Cor. to Secs. 1 and 2 marked C. C.

T. 16 N., R. 29 E., on S. 1 on E. and S. 2 on

W. faces, with 1 notch on E. and 5 notches on W. faces, dug pit $14 \times 18 \times 12$ ins. E. and W. of post,

$5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, ~~4~~ ft. base around post.

Land rolling.

Soil 2nd rate

Vegetation, bunch grass.

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

From the corner to sections, 2, 3, 34^{and} 35, on S. boundary of T₁₆, which is a basalt stone, set firmly in the ground, marked with 2 notches on E. and 4 notches on W. edges, with pits in each Sec., 5 1/2 ft. dist., and a mound of earth, in good order, along side, I run

North between sections 34^{and} 35.

Variation/H⁰⁵ East.

Ascend.

26.00 Top of Ridge, bears U. 60° E. V. 60° W. and 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., U 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, 26, 27, 34 & 35, marked T, 16 N S, 26, on N, E, R, 29 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 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. Vegetation, bunchy grass.

Soil 2nd rate

Township 16 N. Range 29 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 26 and 35.
Variation $14^{\circ}30'$ East.

Descend.

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

77.94 Cross Road, to Fort Wingate, bears $N.10^{\circ}E. \frac{1}{2} S.10^{\circ}W.$

80.43 Intersect N. & S. line. 27 lks. South of cor. to secs.

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

$S.89^{\circ}48' W.$ on a true line between sections 26 ^{and} 35.

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

40.21 Set a lava stone $16 \times 12 \times 10$ ins., 11 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face,
dig pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside.

80.43 The corner to sections 26, 27, 34 ^{and} 35.

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation

14° 30'

East.

Descend.

19.60 Cross Wash, 5 lks. wide, Course N 70° E and ascend.

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

12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. onW. 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, 22, 23, 26 & 27,

marked T, 16 NS, 23, on N, E, R, 29 E S. 26

on S, E, S, 27 on S, W, and S, 22 on N, W, face

with 2 notch ∞ on S, and 2 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**Vegetation, bunchgrass.*

Township 16 N. Range 29 E.

Gila and Salt River Meridian.

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

Variation 14° 30' East.*Descend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.42.00 Enter ^{Luni} Valley, bears N. $\frac{1}{2}$ E.80.57 Intersect N. & S. line, 19 lks *South* of cor. to secs.

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

S. $89^{\circ} 52' W.$ on a true line between sections 23 ^{and} 26.Variation 14° 30' East

40.28 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.

80.57 The corner to sections 22, 23, 26 ^{and} 27.*Land level and rolling.**Soil 2nd rate**Vegetation, bunchgrass.*

Township 16 N. Range 29 E.

Gila and Salt River Meridian.

Chains North, between Sections 22 and 23.

Variation $14^{\circ} 30'$ East.*Ascend.*29.00 Top of Spur, bears N. E. $\frac{1}{2}$ S. 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, 14, 15, 22 & 23, marked T, 16 N S, 14, on N, E, R, 29 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 *3^m* rate

Vegetation, bunchgrass.

Chains

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

Variation $14^{\circ} 30'$ East.*Ascend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

80. 37 Intersect N. & S. line, 24 lks. North of cor. to secs.

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

N. $59^{\circ} 50'$ W. on a true line between sections 14 ^{and} 23,Variation $14^{\circ} 30'$ East

40.18 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. onN. 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. 37 The corner to sections 14, 15, 22 ^{and} 23,

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township 16 N, Range 29 E,

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

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

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 10, 11, 14^{and} 15, marked T, 16 N S. 11, on N, E, R, 29 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**Vegetation bunchgrass.**July 6th 1883.*

Township

16 N,

BOOK 255

Range

29 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

72.00 Top of Ridge, bears N. and S. and descend.

80.13 Intersect N. & S. line, 16 lks. North of cor. to secs.

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

N. $89^{\circ} 53' W.$ on a true line between sections 11 and 14.Variation $14^{\circ} 00'$ East

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

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

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

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

80.13 The corner to sections 10, 11, 14 and 15.

Land mountainous.

Soil 2nd rate

Vegetation, bunchgrass.

Township

16 N,

Range

29 E,

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation

14° 30'

East.

Ascend.

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 2, 3, 10 ^{and 11}, marked T, 16 NS, 2, on N, E, R, 29 E, S. 11 on S, E, S, 10 on S, W, and S, 3 on N, W, face with 5 notches on S, and 2 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 2nd rate

Vegetation, brushgrass.

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$

East.

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

79.81 Intersect N. & S. line, 42 lks. South of cor. to secs.

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

S. $89^{\circ} 42' W.$ on a true line between sections 2 ^{and} 11.Variation $14^{\circ} 30'$ East

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

79.81 The corner to sections 2, 3, 10 ^{and} 11.

Land rolling.

Soil 2 nd rate

Vegetation, bunchgrass.

Township 16 N, Range 29 E,

Gila and Salt River Meridian.

Chains true.
 North, on a ~~random~~ line between Sections 2 and 3.
 Variation 14° 30' East.

Descend.

1.09 Intersect the 4th Standard Parallel North at a point 2.79 chs. East of the Standard Cor. to Secs. 34 and 35. T. 17 N. R. 29 E., which is a post, set firmly in the ground, marked O.C. T. 17 N., R. 29 E. on N.; O. 35 on E. and O. 34 on W. faces, with 2 notches on E. and 4 notches on W. faces; with pits, N., E. and W. of post, 5 1/2 ft. dist, and a mound of earth, in good order, around post, and

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{Closing} Cor. to Secs. 2 and 3 marked C.C. T. 16 N. R. 29 E., on S. S. 2 on E. and S. 3 on W. faces, with 2 notches on E. and 4 notches on W. faces. dug pits 18 x 12 ins. S., E. and W. of post, 4 1/2 ft. dist. and raise a mound of earth 2 ft. high, 4 ft. base around post.

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township

16 N,

Range

29 E,

Gila and Salt River Meridian.

Chains

From the corner to sections, 3, 4, 33rd and 34th on S. boundary of T^p, which is a post, set firmly in the ground, marked S. 16 N, S. 34th and N. E. R. 29 E, S. 3rd and S. E. S. 15 N, S. 4th and S. W. ^{1/4} and S. 33rd and N. W. faces, with 3 notches on E. ^{1/4} and W. edges, pits in each sec., 5^{1/2} ft. dist, and a mound of earth, in good order, around post, from North between sections 33rd and 34th.

Variation 14° 20' East.

Descend.

- 40.00 Set a post 3 ft. long. 3 ins. diam. with marked stone 12 ins. in the ground, for $\frac{1}{2}$ 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, 27, 28, 33rd & 34th, marked T, 16 N S, 27, on N, E, R, 29 E, S. 34th on S, E, S, 33rd 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., 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. Vegetation, bunch grass.
Soil 2nd rate

Township

16 N,

Range

29 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

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

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

 $N. 89^{\circ} 46' W.$ on a true line between sections 27 ^{and} 34.Variation $14^{\circ} 30'$ East

39.86 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.

79.73 The corner to sections 27, 28, 30 ^{and} 34.

Land rolling.

Soil *fine* rateVegetation, *curlygrass.*

Township 16 N, Range 29 E,
Gila and Salt River Meridian.

Chains North, between Sections 27 and 28.
Variation 14° 30' East.

Ascend.

21.00 Top of Ridge, bears E. ^{due} W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone
42 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
1 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, 16 N S. 22, on N, E, R, 29 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.

Soil 2nd rate

Vegetation, brushgrass.

Township

16 N,

Range

29 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Descend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.46 Intersect N. & S. line. 54 lks. South of cor. to secs.

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

 $s. 89^{\circ} 37' W.$ on a true line between sections 22 ^{and} 27.Variation $14^{\circ} 30'$ East

39.73 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.

79.46 The corner to sections 21, 22, 27 ^{and} 28.

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township

16 N.

BOOK 255

Range

29 E.

Gila and Salt River Meridian.

Chains

North, between Sections 21 and 22.

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

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone
12 ins. in the ground, for $\frac{1}{2}$ 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, 16 N S, 15, on N, E, R, 29 E, S. 22
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,
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**Vegetation bunchgrass.*

Township 16 N, Range 29 E,
Gila and Salt River Meridian.

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

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

Ascend.

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

79.61 Intersect N. & S. line, 14 lks. South of cor. to secs.
14, 15, 22 & 23, from which corner, I run

$S. 87^{\circ} 54'$ W. on a true line between sections 15th & 22,

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

39.80 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.

79.61 The corner to sections 15, 16, 21th & 22,

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

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

July 7th 1883.

Township 16 N, Range 29 E,

Gila and Salt River Meridian.

Chains North, between Sections 15 and 16.

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

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ 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, 9, 15 & 16 marked T, 16 N S, 10, on N, E, R, 29 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 rolling.**Soil 2nd rate**Vegetation bunchgrass.*

Township

16 N,

Range

29 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Descend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.80.07 Intersect N. & S. line, 12 $\frac{1}{2}$ lks. South of cor. to secs.
10, 11, 14 & 15 from which corner, I run $S. 87^{\circ} 55' W.$ on a true line between sections 10 $\frac{1}{2}$ & 15,Variation $14^{\circ} 30'$ East40.03 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.80.07 The corner to sections 9, 10, 15 $\frac{1}{2}$ & 16.

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township 16 N, Range 29 E,
Gila and Salt River Meridian.

Chains North, between Sections 9 and 10.

Variation 14° 30' East.

Ascend.

- 40.00* Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for $\frac{1}{2}$ 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, 3, 4, 9 ^{and} 10 marked T, 16 NS, 3, on N, E, R, 29 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 rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township

16 N,

Range 29 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Descend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.42 Intersect N. & S. line, 19 lks. South of cor. to secs.
2, 3, 10 & 11 from which corner, I run

N. $87^{\circ} 52'$ W. on a true line between sections 3rd & 10,
Variation $14^{\circ} 30'$ East

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

80.42 The corner to sections 3, 11, 9th & 10.

*Land rolling.**Soil 2nd rate**Vegetation, bunchgrass.*

Township

16 N.,

Range

29 E.,

Gila and Salt River Meridian.

Chains

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

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

1.90 Intersect the ~~4th~~ Standard Parallel North at a point 2.57 chs. East of the Standard Cor. to Secs. 33 and 34 . T. 17 N. R. 29 E., where is a post, set firmly in the ground, marked C. C. V. 17 N., R. 29 E. on N. S. 34 on E. ^{and} S. 33 on W. faces, with 3 notches on E. ^{and} W. faces; with pits, N., E. ^{and} W. of post, 5 ft. dist., and a mound of earth, in good order, around post, and

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{Closing} Cor. to Secs. 3 and 4 marked C. C. T. 16 N. R. 29 E., on S. 3 on E. and S. 4 on W. faces, with 3 notches on E. and 3 notches on W. faces, dug pits $7\frac{1}{2} \times 18 \times 12$ ins. S., E. and W. of post, $3\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

*Land rolling.*Soil ^{2nd} rate

Vegetation, brushy woods.

July 9th 1883.

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

From the corner to sections, 4, 5, 32nd 33, on S. boundary of T_p, which is a post set firmly in the ground, marked V. 16 N., S. 32 on N. E. R. 29 E., S. 4 on S. E. V. 15 N., S. 5 on S. W. 32 on N. W. faces with 4 notches on E. & 2 notches on W. edges, pits in each sec, 5' ft. dist, on an earth mound in good order around post, I run North between sections 32nd 33.

Variation 14°15' East.

Ascend.

40.00

Set a post 3 ft. long. 3 ins. diam. with marked stone 42 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, 28, 29, 32 & 33, marked T, 16 N S, 28, on N, E, R, 29 E, S. 33 on S, E, S, 32 on S, W, and S, 29 on N, W, face with) notch on S, and 4 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

Land rolling.

Soil 2nd rate

Vegetation, bunch grass.

Timber of Cedar.

marked Cedar	18 ins. diam.	bears 21. W. T.	from which	100 lbs. dist.
marked Cedar	16 1/2 ins. diam.	bears 29 B. T.		95 lbs. dist.
marked Cedar	16 1/2 ins. diam.	bears 28 S. T.		150 lbs. dist.
marked Cedar	16 1/2 ins. diam.	bears 28 S. T.		No other trees within limits.

35 Township 16 N, Range 29 E,
Gila and Salt River Meridian.

Chains East, on a random line between Sections 28 and 33.
Variation $14^{\circ} 30'$ East.

Descend.

25.60 Cross Gulch, 8 lks. wide, Course $30^{\circ} E$ and ascend.

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

41.30 Top of Ridge, bears N. $44^{\circ} E$ and descend.

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

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

N. $89^{\circ} 51' W$. on a true line between sections 28 ^{and} 33,

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

40.18 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.

80.36 The corner to sections 28, 29, 32 ^{and} 33,

Land mountainous.

Soil 2nd rate

Vegetation, bunch grass.

Township 16 N, Range 29 E,

Gila and Salt River Meridian.

Chains North, between Sections 28 and 29.

Variation 14° 30' East.

Ascend.

20.00 Top of Ridge, bears N. 70° W. 50. 70° E, and descend.

40.00 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on W. face; from which

1 Cedar 18 ins. diam, bears N. 72° E, 39 lks, dist, marked 1/2 S. B. T.

1 Cedar 16 ins. diam, bears N. 68° W, 100 lks, dist, marked 1/2 S. B. T.

62.50 Leave Timber, bears N. 72° E. and S. 72° W.

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, 16 N S, 21, on N, E, R, 29 E S. 28 on S, E, S, 29 on S, W, and S, 20 on N, W, face with 2 notches on S, and 4 notch 20 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, bunchgrass.

Township

16 N,

Range

29 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 31'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.46.00 Top of Ridge, bears $U 80^{\circ} E. 56.88'$ and descend.

80.19 Intersect N. & S. line. 11 lks. North of cor. to secs.

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

 $U. 59^{\circ} 58' W.$ on a true line between sections 21 and 28Variation $14^{\circ} 30'$ East

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

12 i.s. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. onN. 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.

80.19 The corner to sections 20, 21, 28 and 29,

Land mountainous.

Soil 2nd rate

Vegetation, bunchgrass.

Township

16 N,

BOOK 255

Range

29 E,

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

14° 30'

East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for $\frac{1}{2}$ 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, 16, 17, 20 & 21, marked T, 16 1/4 S, 16, on N, E, R, 29 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 rolling.*Soil 2nd rateVegetation, *Quercus*.

Township 16 N. Range 29 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 16 and 21.
Variation $14^{\circ} 30'$ East.

Ascend.

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

79.77 Intersect N. & S. line, 27 lks. South of cor. to secs.
15, 16, 21 & 22, from which corner, I run
 $89^{\circ} 48' W.$ on a true line between sections 16 and 21,
Variation $14^{\circ} 30'$ East

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

79.77 The corner to sections 16, 17, 20 and 21,
Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township

16 N,

Range

29 E,

Gila and Salt River

Meridian.

Chains

North, between Sections 16 and 17.

Variation

14° 30'

East.

Ascend.

40.00

Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for $\frac{1}{2}$ 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, 8, 9, 16 & 17 marked T, 16 N S, 9, on N, E, R, 29 E S. 16 on S, E, S, 17 on S, W, and S, 8 on N, W, face with \sphericalangle notches on S, and \sphericalangle 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**Vegetation, bunchgrass.*

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

July 10th 1883.

Township 16 N,

Range 29 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.98 Intersect N. & S. line. 11 lks. North of cor. to secs.

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

N. $89^{\circ} 55'$ W. on a true line between sections 9 ^{and} 16,Variation $14^{\circ} 31'$ 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 8, 9, 16 ^{and} 17.

Land rolling.

Soil 2nd rateVegetation, *amely* grass.

Township 16 N., Range 29 E.
Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation 14° 30' East.*Ascend.*

- No. 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, 4, 5, & ^{the} 9, marked T, 16 N, 4, on N, E, R, 29 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., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

*Land rolling.**Soil 2nd rate**Vegetation bunchgrass.*

Township

16 N,

Range 29 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.68.20 Top of Ridge, bears *N. and S.* and descend.80.23 Intersect N. & S. line, 35 lks. *South* of cor. to secs.

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

 $\text{N. } 89^{\circ} 40' \text{ W.}$ on a true line between sections 4 *and* 9,Variation $14^{\circ} 30'$ 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 $\frac{1}{2}$ 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.

80.23 The corner to sections 4, 5, 8 *and* 9,

Land mountainous.

Soil 2nd rate

Vegetation, bunchgrass.

Township 16 N, Range 29 E,

Gila and Salt River Meridian.

Chains

North, on a ~~random~~ ^{true.} line between Sections 4 and 5.Variation $14^{\circ} 30'$ East.*Ascend.*

2.77 Intersect the 4th Standard Parallel North at a point 296 chs. East of the Standard Cor. to Secs. 32 and 33. T. 17 N. R. 29 E, which is a post, set firmly in the ground, marked S. C. T. 17 N., R. 29 E. on N.

D. 33 on E. and D. 32 on W. faces, with 4 notches on E. and 2 notches on W. faces; with pits, N., E. & W. of post, $5\frac{1}{2}$ ft. dist., and a mound of earth, in good order around post, and

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{Close} Cor. to Secs. 4 and 5 marked C. C. T. 16 N., R. 29 E., on S. S. 4 on E. and S. 5 on

W. faces, with 4 notches on E. and 2 notches on W. faces, dug pits $8\frac{1}{2} \times 18 \times 12$ ins. d., E. W. of post, $1\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 2nd rate

Vegetation, bunch grass.

Township 16 N, Range 29 E
Gila and Salt River Meridian.

Chains From the corner to sections, 5, 6, 31^{qu} and 32 on S. boundary of T. 16 N, which is a post set firmly in the ground, marked T. 16 N, S. 32 on N. E.; R. 29 E, S. 5 and 6. T. 15 N, S. 6 on S. W. ^{qu} and S. 31 on N. W. faces, with 5 notches on E. and 1 notch on W. edges, pits in each sec., 5 1/4 ft. dist., and a mound of earth, in good order around post, 1 run North between sections 31^{qu} and 32.

Variation 14° 10' East.

Ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on 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.

52.20
80.00 Enter Timber ^{bravo U. 65° E. ^{qu} and S. 65° W.}
Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 29, 30, 31^{qu} and 32, marked T. 16 N S. 29 on N. E., R. 29 E, S. 32 on S. E., S. 31 on S. W, and S. 30 on N. W. faces, with 1 notch on S. and 5 notches on E. edges, from which

1 Cedar	12 ins. diam, bears U. 20° W	2 1/2 lbs, dist,
marked T. 16 N, R. 29 E S., 30 B. T.		
1 Cedar	24 ins. diam, bears U. 22° E,	50 lbs, dist,
marked T. 16 N, R. 29 E S., 29 B. T.		
1 Cedar	30 ins. diam, bears S. 71° E,	48 lbs, dist,
marked T. 16 N, R. 29 E S., 32 B. T.		
1 Cedar	10 ins. diam, bears S. 63° W,	38 lbs, dist,
marked T. 16 N, R. 29 E S., 31 B. T.		

Land rolling.
Soil 2 uc
Vegetation, bunchgrass.
Timber of Cedar

Township 16 N. Range 29 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 29 and 32.
Variation $14^{\circ} 30'$ East.

Descend.

37.00 Cross low Sag and ascend.

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

74.50 Top of Ridge, bears $41^{\circ} E.$ $\frac{1}{4}$ $S. W.$ and descend.

80.19 Intersect N. & S. line, 29 lks $S. W.$ of cor. to secs.
28, 29, 32 $\frac{1}{4}$ $S. W.$ from which corner, I run

$S. 89^{\circ} 48' W.$ on a true line between sections 29 $\frac{1}{4}$ and 32,
Variation $14^{\circ} 30'$ 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
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.

80.19 The corner to sections 29, 30, 31 $\frac{1}{4}$ and 32.

Land mountainous.

Soil 2nd rate

Vegetation, bunch grass.

Township 16 N. Range 29 E.
Gila and Salt River Meridian.

Chains West, on a random line between Sections 30 and 31.
Variation $14^{\circ} 30'$ East.

Ascend.

37.00 Top of Ridge, bears $U. \text{ and } S.$ and descend.

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

87.87 Intersect $W.B.$ of Tp. 13 $Wks.$ $Center$ of cor. to secs.

25, 30, 31 $\text{ and } 36$, which is a post set firmly in the ground, marked $S. 16 N.$, $S. 30 \text{ or } U. E.$;

$R. 29 E.$, $S. 31 \text{ or } S. E.$; $R. 28 E.$, $S. 36 \text{ or } S. E.$ $\text{ and } S. 25$ with 1 notch $\text{ and } S. 25$ notches on $U.$ edges; on $U. W.$ faces; grow $where$ $where$ $where$;

A Cedar, 16 ins. dia., $N. 85^{\circ} E.$, 19 $Wks.$ dist., marked $S. 16 N.$, $R. 29 E.$, $S. 30 \text{ B. S.}$

A Cedar, 14 ins. dia., $N. 78^{\circ} W.$, 16 $Wks.$ dist., marked $S. 16 N.$, $R. 28 E.$, $S. 25 \text{ B. S.}$

A Cedar, 18 ins. dia., $S. 11^{\circ} E.$, 12 $Wks.$ dist., marked $S. 16 N.$, $R. 29 E.$, $S. 31 \text{ B. S.}$

A Cedar, 14 ins. dia., $S. 41^{\circ} W.$, 74 $Wks.$ dist., marked $S. 16 N.$, $R. 28 E.$, $S. 36 \text{ B. S.}$

from which corner, I run

$S. 89^{\circ} 55' E.$ on a true line, between sections 30 $\text{ and } 31$.

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

47.87 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.

87.87 The corner to sections 29, 30, 31 $\text{ and } 32$.

Land mountainous.

Soil $2 \text{ } \underline{\text{use}}$ rate

Vegetation, buneymaso .

Township 16 N, Range 29 E,Gila and Salt River Meridian.

Chains North, between Sections 29 and 30.

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

10.00 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on W. face; from which

A Cedar 12 ins. diam, bears $N. 85^{\circ} W.$, 56 lks, dist, marked $\frac{1}{4}$ S. B. T.

A Cedar 16 ins. diam, bears $E.$, 24 lks, dist, marked $\frac{1}{4}$ S. B. T.

52.00 Top of Ridge, bears $N. 80^{\circ} E. \frac{1}{2}$ & $S. 80^{\circ} W.$ 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, 19, 20, 29 & 30 marked T, 16 N S, 20, on N, E, R, 29 E, S, 29 on S, E, S, 30 on S, W, and S, 19 on N, W, face with 2 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.

from which

A Cedar 16 ins, diam, bears $S. 7^{\circ} E.$, 13 lks, dist, marked T. 16 N R. 29 E S., 29 B. T.

A Cedar 14 ins, diam, bears $N. 78^{\circ} E.$, 73 lks, dist, marked T. 16 N R. 29 E S., 20 B. T.

A Cedar 12 ins, diam, bears $N. 18^{\circ} W.$, 23 lks, dist, marked T. 16 N R. 29 E S., 19 B. T.

No other trees within limits.

Land mountainous

Soil 2nd rate

Timber of Cedar,

Vegetation, bunchgrass.

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Ascend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.80.52 Intersect N. & S. line, 46 lks. *South* of cor. to secs.

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

 $\int 89^{\circ} 40' W.$ on a true line between sections 20 *and* 29Variation $14^{\circ} 30'$ East

40.28 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.80.56 The corner to sections 19, 20, 29 *and* 30.

Land rolling.

Soil *2nd* rateVegetation, *bumegrass.*

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

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

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

Descend.

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

87.32 Intersect W. B. of Tp. 21 Nks. North of cor. to secs.

19, 24, 25th and 30, which is a post, set firmly in the ground, marked S. 16 N., S. 19 and N. E. R. 29 E., S. 30 and S. E.; R. 28 E., S. 25 and S. W. and S. 24th on N. W. faces, with 2 notches on S. and 4 notches on N. edges; from which bears:
 A Cedar, 10 ins. diam, N. $51^{\circ} 0' W$, 15 lks. dist, marked S. 16 N., R. 28 E., S. 24 B. V.
 A Cedar, 12 ins. diam, N. $67^{\circ} 0' E$, 22 lks. dist, marked S. 16 N., R. 29 E., S. 19 B. V.
 A Cedar, 14 ins. diam, S. $49^{\circ} 0' W$, 32 lks. dist, marked S. 16 N., R. 28 E., S. 25 B. V.
 A Cedar, 18 ins. diam, S. $66^{\circ} 0' E$, 82 lks. dist, marked S. 16 N., R. 29 E., S. 30 B. V.,
 from which corner, I run

N. $89^{\circ} 52' E$, on a true line, between sections 19th and 30.

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

47.32 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face; from which

A Cedar 16 ins. diam, bears N. $10^{\circ} E$, 46 lks. dist, marked $\frac{1}{4}$ S. B. T.

A Cedar 20 ins. diam, bears S. $27^{\circ} W$, 87 lks. dist, marked $\frac{1}{4}$ S. B. T.

87.32 The corner to sections 19, 20, 29th and 30.

Land mountainous.

Soil 2nd rate

Vegetation, bunch grass.

Timber of Cedar. July 11th 1883.

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation

14° 30'

East.

Descend.

- 40.00 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on W. face; from which
- A Cedar 16 ins, diam, bears N. 31° W, 110 lks, dist, marked $\frac{1}{4}$ S. B. T.
- A Cedar 14 ins, diam, bears S. E., 65 lks, dist, marked $\frac{1}{4}$ S. B. T.
- 76.50 Leave Timber, bears E. and 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, 16 W S, 17, on N, E, R, 29 E S. 20 on S, E, S, 19 on S, W, and S, 18 on N, W, face with 3 notches on S, and 5 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5 $\frac{1}{2}$ ft, dist., and raised a mound of earth 2 ft, high, 4 $\frac{1}{2}$ ft, base around post.
- Land rolling.*
- Soil 2nd rate*
- Vegetation, Onocleas.*
- Timber of Cedar.*

Township 16 N., Range 29 E.,

Gila and Salt River Meridian.

Chains

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

Variation 14° 30' East.*Ascend.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.80.08 Intersect N. & S. line, 16 lks. ~~South~~ of cor. to secs.

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

S. $89^{\circ} 53'$ W. on a true line between sections 17 ^{and} 20.Variation 14° 30' East

40.04 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.

80.08 The corner to sections 17, 18, 19 ^{and} 20.

Land rolling.

Soil 2nd rateVegetation, brushy mes.

Township

10 N,

Range

29 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 30'$ East.*Over level land*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

87.09 Intersect W. B. of Tp. 16 lks. North of cor. to secs. 13, 18, 19 and 24, which is a post, set firmly in the ground, marked N. 16 N., S. 18 or N. E.; R. 29 E., S. 19 or S. E.; R. 28 E., S. 24 or S. W. and S. 13 or N. W. faces, with 3 notches on N. and S. edges; with pits in each sec., 5 $\frac{1}{2}$ ft. dist., and a mound of earth, in good order, around post,

from which corner, I run

N. 89 $^{\circ}$ 54' E. on a true line, between sections 18 and 19,Variation $14^{\circ} 30'$ East.

47.09 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.

87.09 The corner to sections 17, 18, 19 and 20.

*Land level.**Soil 2nd rate**Vegetation, bunchy mes.*

Township

16 N.

Range

29 E.

54

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

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

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

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 7, 8, 17 and 18, marked T, 16 1/4 S, 8, on N, E, R, 29 E, S, 17 on S, E, S, 18 on S, W, and S, 7 on N, W, face with 4 notches on S, and 5 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft, high, $4\frac{1}{2}$ ft, base around post.

*Land rolling.**Soil 2nd rate**Vegetation, brushy meadow*

Township 16 N. Range 29 E.
Gila and Salt River Meridian.

Chains

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

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

Descend.

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

80.27 Intersect N. & S. line, 37 lks. South of cor. to secs.

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

S. $89^{\circ} 44'$ W. on a true line between sections 8 ^{and} 17,Variation $14^{\circ} 30'$ East

40.13 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. onN. face, dug pits, 18 x 18 x 12 ins., E. and W. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.high, $3\frac{1}{2}$ ft. base around post.80.27 The corner to sections 7, 8, 17 ^{and} 16.

Land rolling.

Soil 2nd rate

Vegetation, brushy grass.

Township 16 N. Range 29 E.

Gila and Salt River Meridian.

Chains

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

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

Descend.

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

86.66 Intersect W.B. of Twp. 8 lks. South of cor. to secs.

7, 12, 13 ^{and} 18, which is a post, set firmly in the ground, marked S. 16 N., S. 7 or N. E.; R. 29 E., S. 18 or S. E.; R. 28 E., S. 13 or S. W., ^{and} S. 12 or N. W. faces, with 4 notches on S. ^{and} 2 notches on N. edges; with pits in each sec, 5 ft. dist., and a mound of earth, in good order, around post,

from which corner, I run

 $89^{\circ} 57'$ E. on a true line, between sections 7 ^{and} 18.Variation $14^{\circ} 30'$ East.

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

86.66 The corner to sections 7, 8, 17 ^{and} 18.

Land rolling.

Soil 2nd rate

Vegetation, bunchgrasses.

Township

16 N.

Range

29 E.

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation $14^{\circ} 34'$

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. 5, 6, 7 & 8 marked T, 16 N. S. 5, on N, E, R. 24 E, S. 8 on S, E, S, 7 on S, W, and S, 6 on N, W, face with 5 notch ∞ on S, and 5 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**Vegetation, Guncy grass,*

Township 16 N, Range 29 E,
Gila and Salt River Meridian.

Chains East, on a random line between Sections 5 and 8.
Variation $14^{\circ} 30'$ East.

Ascend.

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

79.93 Intersect N. & S. line, 60 lks. South of cor. to secs.

4.5.819 from which corner, I run

$U. 89^{\circ} 34' W.$ on a true line between sections 5 and 8,

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

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

79.93 The corner to sections 5, 6, 7 and 8,

Land rolling.

Soil 2nd rate

Vegetation, bunchgrass.

Township 16 N. Range 29 E.
Gila and Salt River Meridian.

Chains

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

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

Descend.

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

86.13 Intersect W. B. of Tp. 17 lks. North of cor. to secs.

1, 6, 7^{and} 12, which is a post, set firmly in the ground, marked G. 16 N., S. 6 on N. E., R. 29 E., S. 7 and E.; R. 28 E., S. 12 and S. W. ^{on} S. 1 on N. W. faces, with 5 notches on S. ^{on} 1 notch on N. edges; with pits in each sec., 5 $\frac{1}{2}$ ft. dist., and a mound of earth, in good order around post,

from which corner, I run

N. $89^{\circ} 53' E.$ on a true line, between sections 6^{and} 7.Variation $14^{\circ} 30'$ East.

46.13 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.

86.13 The corner to sections 5, 6, 7^{and} 8.

Land rolling.

Soil 2nd rateVegetation, *Curatagras.*

Township 16 N. Range 29 E.

Gila and Salt River Meridian.

Chains

true.
North, on a ~~range~~ line between Sections 5 and 6.Variation $14^{\circ} 30'$ East.*Ascend.*

3. 83 Intersect the ~~4th~~ Standard Parallel North, at a point 2.74 chs. East of the Standard Cor. to Secs. 31, and 37, T. 17 N. R. 29 E, which is a post, set firmly in the ground, marked S. E. V. 17 N., R. 29 E. or N. S. 32 on E. ^{2nd} S. 31 on W. faces, with 5 notches on E. ^{2nd} 1 notch on W. faces, with pits N, E. ^{2nd} W. of post, 5 1/2 ft. dist, and a mound of earth, in good order around post, and
- Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{Chain} Cor. to Secs. 5 and 6 marked C. C. T. 16 N. R. 29 E, on S. S. 5 on E. and S. 6 on W. faces, with 5 notches on E. and 1 notch on W. faces. dug pits 1 1/2 x 18 x 12 ins. S, E. of post, 1/2 ft. dist. and raised a mound of earth 2 1/2 ft. high, 4 1/2 ft. base around post.

Land rolling.

Soil 2nd rate

Vegetation, bunch grass.

July 12th 1883

GENERAL DESCRIPTION.

The land in this township is rolling, with the exception of a few low ridges in the southern part.

The soil is 2nd rate, producing an abundance of good bunchgrass, affording excellent grazing facilities.

The Juni River crosses the southeastern part of the township, flowing in a southeasterly direction.

The road to Fort Wingate runs about parallel to the Juni River through the same portion of the township.

For final notes and
see book No 13

U. S. Surveyor General's Office,

Tucson, Arizona,

July 26 1884

The foregoing Field Notes of the Survey of the

Subdivision Lines of
 Township 16 North
 Range 29 East

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

Deputy Surveyor, under his contract of the 5th

day of August, 1884, having been

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

Royal A. Johnson
 Surveyor General.

TOWNSHIP PLOT.

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

Office Work,



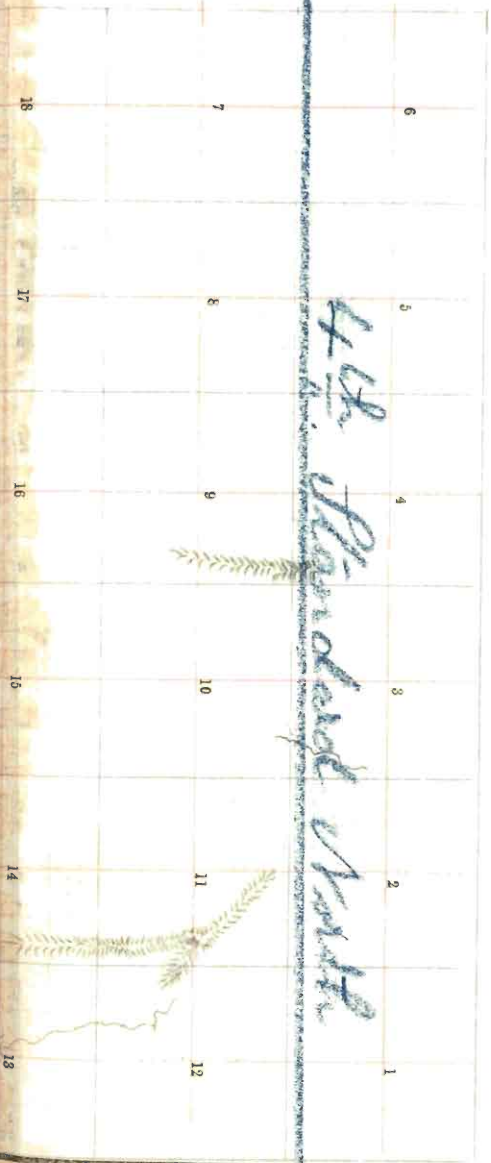
BOOK 255

Township No. 16N. Range No. 29E. Meridian.

84888

64

4th Standard North



18 17 16 15 14 13 19 20 21 22 23 24

7th Meridian

