

No. 1277

BOOK 1277

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Book No. 1

~~See Index~~

+

# FIELD NOTES

1277

The South & East Boundary Lines of <sup>OF</sup> **BOOK 1277**

Township 19 North Range 24 East

Gila and Salt River Meridian, Arizona.

BY

Milton Santee, Deputy Surveyor,

under his contract of July 25, 1882.

Survey commenced Nov. 20, 1882.

Survey completed Nov. 21, 1882.

Platted by ..... 188

Copied for Washington by ..... 188

Copied for Register by ..... 188

✓

Preliminary Oaths of Assistants. 1A

I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of compassman, according to instructions given me, and to the best of my skill and ability, in the survey of the \_\_\_\_\_

\_\_\_\_\_, Compassman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 188\_\_\_\_\_.

We, *Thomas J. Hall*  
and *Jeff Byzell*,  
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 South and East Boundary of T. 19 N R 27 E and the subdivision lines of Tps 19 N. Rs 27 + 28 E + T. 18 N R 27 E G. & L. R

Thomas J. Hall, Chainman.

Jeff Hysell, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this 18<sup>th</sup> day of November, 1882.

A. E. Staemaker  
 U. S. Commissioner, 5<sup>th</sup> Judicial District,  
 Arizona Territory.



*J. B. R. Okner*

and

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 South and East*  
*Boundary of T. 19 N. R. 27 E and the*  
*subdivision lines of Tps 19 N R. 27 & 28*  
*E & T. 18 N R. 27 E G. & A. R. M*

*J. B. R. Okner*, Axeman.

....., Axeman.

Subscribed and sworn to before me this *18<sup>th</sup>*  
 day of *November*, 1882

*A. E. Shoemaker*

*D. B. Commissioner, 3d Judicial District,*  
*Arizona Territory.*

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BOOK 1277

I, R. Meekins

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 South and East Boundary of T19 & R 27 E and subdivision lines of Tps 19 & Rs 27 & 28 E & T. 18 & R 27 E G & A. R M

R. Meekins, Flagman.

Subscribed and sworn to before me this 18th day of November, 1882.

A. E. Staehle

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



Judex

South Body T 19 N R 27 E	1
East " " 19 N " 27 E	9.

Township 19 North, Range 27 East,  
Gila, and Salt River Base and  
Meridian

6	5	4	3	2	1	8
7	8	9	10	11	12	10
18	17	16	15	14	13	11
19	20	21	22	23	24	12
30	29	28	27	26	25	13
31	32	33	34	35	36	14
7	6	5	4	3	1	

7919b5m4-03

On the 20<sup>th</sup> day of Nov. 1882, I  
set my instrument at the Cor.  
to Sp. 18-19 N., R. 26-27 E., carefully  
examined it in all its adjust-  
ments and found them correct.  
Took the latitude and found  
it to be  $34^{\circ}58' N.$ , and proceeded  
to run as follows:—

S. B. T. 19 N. R. 27 E. G. &amp; S. R. M.

No. 1277

From the Cor. to Tps. 18 & 19 N. Rs. 26 & 27 E.  
 which is a post, 4 ins. square, set  
 firmly in the ground, marked  
 T. 19 N. S. 31 on N. E., R. 27 E. S. 6 on S. E.,  
 T. 18 N. S. 1 on S. W. and R. 26 E. S. 3 on  
 N. W. faces, with 6 notches on each edge,  
 pits, 24 x 18 x 12 ins dug lengthwise on  
 each line N. S. E. and N. W. of post, 6 ft.  
 dist. & each mound 2 1/2 ft. high, 5 ft.  
 base around post,  
 I run East. on a random line on S. B. of Tp.

Va. 14° 08' East.

I set temporary corners at every half mile, and at 5 miles  
 79.6 chs. I arrive at a point 198 lks. North of Cor. to Tps.

18-19 N. Rs. 27-28 E. which is a  
 sandstone, 24 x 17 x 8 ins., set 18 ins.  
 in the ground, marked with 6 notches  
 on each edge, and stone mound  
 alongside,

From which corner I run.

N 89° 46' W on a true line between sections 1-36.

Va. 14° East.



IF

BOOK 1277

The instrument that I used in making this survey was manufactured by Otto Kundt, Cassel, Germany, in 1881, and was carefully examined and tested on the true meridian at Tucson, Arizona, May 26, 1882.

On the 20<sup>th</sup> day of Nov. 1882, I set my instrument at the Cor. to Sp. 18-19 N., Rs. 26-27 E., carefully examined it in all its adjustments and found them correct. I took the latitude and found it to be  $34^{\circ} 58'$  N., and proceeded to run as follows:—

S. B. T. 19 N. R. 27 E. G. &amp; S. R. M.

Chains,

Ascend.

0

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. on

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

54.40 Cross Gulch, 10 lks. wide, Course North and ascend.

66.60 Summit of Divide between Juni &  
 Pi Puerco  
 bears N. & S.  
 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. 1-2-35-36,  
 marked T. 19 N. S. 36, on N. E., R. 27 E., S. 1  
 on S. E., S. 2 on S. W and S. 35 on N. W. face,  
 with 5 notches on S. and 1 notch on E. edges;  
 dug pits, 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.,  
 and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
 around post. in low Sag,  
 Land mountainous

Soil 3rd rate.

Timber of

Cedar.

Vegetation,

Bunchgrass.

S. B. T. 19 N. R. 27 E. G. &amp; S. R. M.

Chains.

N. 89° 46' W. on a true line between sections 2-35.  
Va. 14° East.

Ascend.

9.00 Bank of Juni and Rio Puerco Divide,  
to N. & S. W. and descend.

30.60 Cross Gulch, 6 lks. wide, Course North and ascend.

34.00 Top of Spur, bears N. 7 S. and descend.

40.00 Set a sand stone 30 x 20 x 9 ins., 22  
ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on N.  
face, dug pits, 18 x 18 x 12 ins., E. and W. of stone  
5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
3 $\frac{1}{2}$  ft. base. alongside

60.60 Cross Gulch, 4 lks. wide, Course N. 10° E. and ascend.

64.50 Top of Spur, bears N. 10° E. & S. 10° W. and descend.

80.00 Set a sand stone 18 x 16 x 2 ins. 2 ins. in  
the ground for Cor. to Secs. 2-3-34-35 marked  
with 4 notches on W. 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. alongside

Land mountainous

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

Timber of Cedar,

Vegetation, Bunchgrass.

N.B.T. 19 N. R. 27 E. G. & S. R. M.

Chains.

N 89° 46' W on a true line between sections 3-34.  
Va. 14° East.

Descend.

6.64 Cross Gulch, 5 lks. wide, Course N 35° W and ascend.

40.00 Set a sand stone 30 x 10 x 4 ins., 22 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside

80.00 Set a sand stone 24 x 20 x 5 ins. 15 ins. in the ground for Cor. to Secs. 3-4-33-34 marked with 3 notches on W and 3 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. alongside

Land mountainous

Soil 3rd rate.

Timber of Cedar.

Vegetation, Bunchgrass.

S. B. T. 19 N. R. 27 E. G. &amp; S. R. M.

Chains.

N. 89° 46' W on a true line between sections 4-33.  
Va. 14° East.

Ascend.

2.10 Top of Spur, bears N. 30° W. 90.30 E. and descend.  
20.40 Losos Juni & Rio Puerco Divide, bears  
N. 30° W. 7 S. 30 E. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.  
12 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{2}$  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.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 4-5-32-33,  
marked N. 19° W. S. 33, on N. E.; R. 27 E, S. 4  
on S. E., S. 5 on S. W. and S. 32 on N. W. face,  
with 2 notches on E. 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 and rolling.

Soil 2<sup>nd</sup> rate.

Timber of Cedar,

Vegetation

Bunchgrass.

S.B. T. 19 N R. 27 E. G. &amp; S. R. M.

Chains.

N89°46' W on a true line between sections 5-32

Va. 14° 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  
 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.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone.  
 12 ins. in the ground, for Cor. to Secs. 5-6-31-32,  
 marked T. 19 N. S. 32, or N. E., R. 27 E., S. 5  
 on S. E., S. 6 on S. W and S. 31 on N. W. face,  
 with 1 notch on W 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. and mountainous.

Soil

2<sup>nd</sup> rate

Vegetation

Bunchgrass.

Timber, Cedar.

S. B. T. 19 N. R. 27 E. G. &amp; S. R. M.

Chains.

789.46 <sup>78</sup> a true line between sections 6-31.Va.  $14^{\circ}$  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  
 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.

79.60 The Cor. to Tps. 18 & 19 N. Rs. 26 & 27 E.  
 from which I started -  
 land mountainous and rolling.

Soil 2<sup>nd</sup> rate.

Timber of Cedar,  
 Vegetation, Bunchgrass.

Nov. 20, 1882.

Chains.

From the Cor. to Tps. 18 & 19 N. Rs. 27 & 28<sup>8</sup>  
previously described by me

I run North on a random line on C. B. of Tp.  
Va. 14° East.

I set temporary corners at every half mile, and at 6 miles  
23 ~~lks~~ I arrive at a point 50 lks. East. of Cor. to Tps.

19-20 N., R. 27-28 E., which is  
a post, 5 ins. square, set firmly in  
the ground marked T. 20 N. S. 31 m  
N.E., R. 28 E. S. 6 m S.E., T. 19 N. S. 1 m  
S.W. and R. 27 E. S. 3 m W. faces,  
with 6 notches on each edge, pits dug  
lengthwise on each side. 6 ft. dist.  
of each mound 2 ft. high, 3 ft. base  
around post, From which corner I run.  
S. 4° E. on a true line between sections 1-6.

Va. 14° 15' East.

Ascend.

1. 23  
40. 23

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

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.



E. B. T. 19 N. R. 27 E. G. &amp; S. R. M.

Chains,

55.13 Cross low Sag and ascend.

78.09 Cross Road, bears, E. &amp; W.

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

12 ins. in the ground, for Cor. to Secs. 1-6-7-12,

marked T. 14 N. S. 6, on N. E., R 28 E, S. 7

on S. E., S. 12 on S. W and S. 1 on N. W. face,

with 5 notches on S. and 1 notch on N. 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. and mountainous.

Soil 2<sup>nd</sup> rate

Vegetation, Bunchgrass.

T. 19 N. R. 27 E. G. & S. R. M.

Chains:

S. 24' E. on a true line between sections 7-12.  
Va. 14° 10' East.

Ascend.

36.62 Cross Juni & Navajo Roads. N. 80° E. & S. 80° W.

37.50 Top of Spur, 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 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. *in 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. 7-12-13-18,  
marked T. 19 N. S. 7, on N. E., R. 27 E., S. 18  
on S. E. S. 13 on S. W. and S. 12 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 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

Land mountainous. and rolling.

Soil 2<sup>nd</sup> rate

Vegetation, "Bunchgrass."

E. B. T 19 N. R. 27 E. G. & S. R. M.

Chains.

S. 4' E., on a true line between sections 13-18.  
Va. 1470' East.

Ascend.

31.70 Top of Spur, bears N. 70° E. & S. 70° 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  
N. face, dug pits, 18 x 18 x 12 ins., N and S, of  
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.  
high, 3 1/2 ft. base around post.

54.30 Cross Gulch, 11 lks. wide, Course N. 70° E. 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. 13-18-19-24,  
marked T 19 27 S. 18, on N. E., R. 28 E., S. 19  
on S. E., S. 24 on S. W. and S. 13 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 1/2 ft. dist.,  
and raised a mound of earth 2 ft. high, 4 1/2 ft. base  
around post.

Land mountainous.

Soil 2<sup>nd</sup> rate

Vegetation, Pine & grass.

E. B. T. 19 N. R. 27 E. G. &amp; S. R. M.

S. 11' E, on a true line between sections 19-24,  
Va. 14' 10' 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. 19-24-25-30,  
marked  $\frac{1}{2}$  S. 19, on N. E., R. 28 E, S. 30  
on S. E., S. 25 on S. W and S. 24 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

2<sup>nd</sup> rate

Vegetation,

Bunchgrass.

E. B. T. 19 N. R. 27 E. G. & S. R. M.

ains.

S. 4° E. on a true line between sections 25-30,  
Va. 1470' 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  
N. face, dug pits, 18 x 18 x 12 ins., N. and S. of  
post  $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft.  
high,  $3\frac{1}{2}$  ft. base around post.

54.90 Top of Spur, bears N. 30° E. & S. 30° 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. 25-30-31-36,  
marked <sup>1977</sup> S. 30° on N. E., R. 28° E. S. 31°  
on S. E., <sup>R. 27° E.</sup> S. 36° on S. W. and S. 25° 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.,  $5\frac{1}{2}$  ft. dist.,  
and raised a mound of earth 2 ft. high,  $4\frac{1}{2}$  ft. base  
around post.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, Bluegrass.

BOOK 1271

E. B. T. 19 N R. 27 E. G. & S. R. M.

Chains.

S. 4' E. on a true line between sections 31 - 36,  
Va. 14' 10' East.

Descend.

40.00 Set a Lava stone 18 x 14 x 10 ins., 12  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
face, and raised a mound of stone. alongside Pits  
impracticable.

03.70 Cross Wash, 5 lks. wide, Course N 10 E and ascend.

80.00 The Cor. to Tps. 18 & 19 N. Rs. 27 & 28 E.  
from which I started -  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation

Pinegrass.

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

Nov. 21, 1882.

For final notes  
see book No. 4.

No. 1277

## U. S. Surveyor General's Office,

TUCSON, ARIZONA,

July 21, 1883

The foregoing Field Notes of the Survey of the

South and East Boundary lines  
of Township 19 North,  
Range 27 East

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by Milton Santos

Deputy Surveyor, under his contract of the

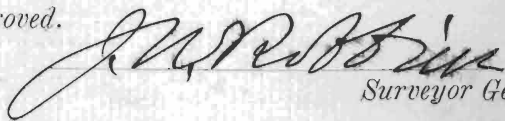
25<sup>th</sup>

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.



Surveyor General.