

E, W, N. AND S. BOUNDARIES

TP 18 N. R 2 E

CONTRACT NO 92

QIRAND

BOOK 1417

X
No. 1417

1417

4-671

FIELD NOTES
GENERAL LAND OFFICE.

See Summary of S. Pdy. of
T. 19 N. R. 2 E. (in 1909) this file
as surveyed by Secor.

~~Handwritten text in red ink, possibly a title or reference, partially obscured by a horizontal line.~~

Copied by Lipsight

Compared Taylor & Lipsight

No. 1417

BOOK 1417

Field Notes
of the survey of the
East, West, North and
South Boundaries
of
Township No. 18 North
Range No. 2 East.
of the
Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
James Bell Girard
U.S. Deputy Surveyor
Under his contract No. 92.
Dated April 24, 1902.

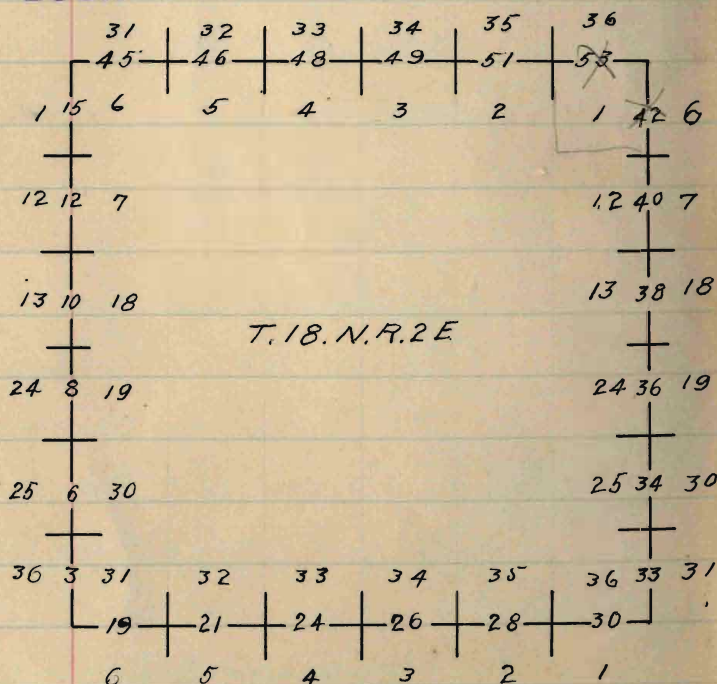
Survey commenced June 12, 1902
Survey completed June 20, 1902

Names and duties of assistants

A. H. Oliver	Chairman
E. McDonald	Chairman
C. A. Risinger	Assman
L. G. Gilmore	Assman
P. W. Kattimer	Plagman

Index.

BOOK 1417



West boundary Pps. 18 N. Rg 2 E.

Chains

June 12: At 7^h00^m a. m.
 l. m. t. I set off $55^{\circ}-05'$
 $30''$ for my latitude; $23^{\circ}08'$
 for my declination; and
 determine a true meridian,
 with the solar, at the
 cor. of Pps. 17 and 18 N. Rgs.
 1 and 2 E.

Thence I run

North bet. secs. 31 and 36.

Descending rolling N. slope
 of mountains.

9.44 Road, bears N. 10° E. and S.
 10° W.

32.90 Intersect S.W. side of
 M. A. Perkins's house.

33.07 N. E. side of house.

34.10 Cross road bears E. and W.

35.26 Cross irrigating ditch 10 lks.
 wide, course E. bears W.

West boundary Twp. 18 N. Rg. 2 E.

Chains

- | | |
|-------|--|
| 36.27 | Cross wire fence, bears N. 30° W. and S. 30° E. |
| 37.07 | Edge of bluff 10 ft. high. |
| 38.40 | Right bank of slough from Verde river, course N. 55° E. bears S. 55° W. |
| 39.40 | Left bank of same slough. |
| 40.00 | Set a granite stone 24x12x6 ins. 18 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. |
| 48.35 | Right bank of Verde River course E. bears W. |
| 49.00 | Left bank of Verde River. |
| 54.95 | Cross irrigating ditch 8 lks. wide, course E. bears W. and ascend S. slope |

West boundary Twp. 18 N. Rg. 2 E.

Chains

of mountains, through scattering cedars and brush.

68.32 Cross dry wash course S.E. bears N.W. 10th wide.

80.00 Set a limestone 18x12x10 ins. 12 ins. in the ground, for cor. of secs. 25, 30, 31 and 36 marked with 1 notch on ~~S~~^S and 5 notches on ~~N~~^N edges; dug pits 18x18x12 ins. in each sec. 5¹/₂ ft. dist.; and raised a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, sandy and gravelly; 3rd rate.

Timber, scattering cedars. Underbrush, oak.

Mountainous land 80.00 chs.

West boundary Twp. 18 N. Rg. 2 E.
Chains

- North bet. secs. 25 and 30
Ascend steep N. slope
of mountains.
- 3.00 Descend steep N. slope
into ravine.
- 7.00 Bottom of ravine, course
S. E. bears N. W. and ascend
- 11.00 Top of ridge, bears N. W.
and S. E. and over
broken mtns.
- 23.25 Dry gully, course E. bears
W. 10° N. wide
- 40.00 Set a basalt stone 20 x 10 x
5 ins. 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$
on W. face; and raised
a mound of stone 2 ft.
base $1\frac{1}{2}$ ft. high, W. of
Cor. Pits impracticable

West boundary Twp. 18 N. Rg. 2 E.

Chains.

- 43.00 Descend into ravine
- 48.60 Cross dry wash in bottom
of ravine, ¹² ~~also~~ ^{well} course E. bears W.
and ascend steep S. slope
- 59.00 Top of mountain and over
top.
- 77.70 Cross head of ravine course
E.
- 80.00 Set a basalt 20X14X12 ins.
15 ins. in the ground, for
cor. of secs. 19, 24, 25 and 30;
marked with 4 notches on
N. and 2 notches on S. edges,
and raised a mound of
stone 2 ft. base 1 1/2 ft. high,
W. of cor. Pits impracticable
Land, mountainous
Soil, gravelly and rocky;
3rd and 4th rate.
Timber, cedar.

West boundary P. 18 N. R. 2 E.

Chains.

Mountainous land 80.00 chs.

North bet. secs. 19 and 24.

Over rolling top of moun-
tain.

20.00 Enter cedar timber.

37.00 Cedar timber becomes dense

40.00 Set a malpais stone 18x12
x10 ins. 12 ins. in the
ground for $\frac{1}{4}$ sec. cor.;
marked $\frac{1}{4}$ on W. face;
from which

A cedar 8 ins. diam. bears
N. $84^{\circ}45'$ E. 65 lks. dist. marked
 $\frac{1}{4}$ S19BT.

A cedar 36 ins. diam. bears
N. $31^{\circ}40'$ W. 37 lks. dist. marked
 $\frac{1}{4}$ S24BT.

77.70 Cross ravine, course S. E.
bears N. W.

West boundary Pp. 18 N. Rg. 2 Co.

Chains
80.00

Set a malpais stone $24 \times 15 \times 10$ ins. 18 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on N. and S. edges; from which

A cedar 8 ins. diam. bears N. $84\frac{1}{2}^\circ$ E. 204 lks. dist. marked T18NR2ES18BT.

A cedar 36 ins. diam. bears S 35° E. 128 lks. dist. marked T18NR2ES19BT

A cedar 20 ins. diam. bears S. $63\frac{3}{4}^\circ$ W. 58 lks. dist. marked T18NR1ES24BT

A cedar 8 ins. diam. bears N. $37\frac{1}{2}^\circ$ W. 107 lks. dist. marked T18NR1ES13BT.

Land, mountainous

Soil, gravelly and rocky;

West boundary Twp. 18 N. Rg. 2 E.
Chains

4th rate.

Mountainous or heavily
timbered land 80.00 chs.

June 12, 1902.

June 13: At 7^h 00^m a. m.
l. m. t. I set off 55° 03'
for my co-latitude;
23° 12' for my declination;
and determine a true
meridian with the solar
at the cor. of secs. 13, 18, 19
and 24

Then I run

North bet. secs. 13 and 18

Over roll. mtns. through
heavy cedar timber.

33.80 Cross dry wash, course
N. E. bears S. W. 14 chs wide

40.00 Set a malpais 26 X 16 X 10

West boundary Pp. 18 N. Rg. 2 E.

Chains

ins. 18 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$
on W. face; from which

A cedar 30 ins. diam. bears
N. 50° E. 10 lks. dist. marked
 $\frac{1}{4}$ S 18 BT.

A cedar 10 ins. diam. bears
N. 80° W. 77 lks. dist. marked
 $\frac{1}{4}$ S 13 BT.

60.30 Cross wash, ^{10 lks. wide} course S. E. bears
N. W.

80.00 Set a malpais $20 \times 16 \times 10$ ins
15 ins. in the ground, for
cor. of secs. 7, 12, 13 and 18,
marked with 4 notches on
S. and 2 notches on N. edges;
from which

A cedar 8 ins. diam. bears
N. $60\frac{1}{2}^{\circ}$ E. 173 lks. dist. marked
T 18 N R 2 E S 7 BT

West boundary Twp. 18 N. Rg. 2 E.
Chains

A cedar 30 ins. diam. bears
S. $85\frac{1}{2}^{\circ}$ E. 51 lks. dist. marked
T18NR2ES18BT.

A cedar 5 ins. diam. bears
S. 76° W. 25 lks. dist. marked
T18NR1ES13BT.

A cedar 4 ins. diam. bears
N. $68\frac{1}{4}^{\circ}$ W. 123 lks. dist. marked
T18NR1ES12BT.

Land, mountainous.

Timber, cedar.

Soil, rocky; 4 rate.

Mountainous and heavily
timbered land 80.00 chs.

North bet. secs. 7 and 12.

Over mountains through
heavy cedar timber.

4.00 Cross wash, ^{70 lks. total} course E.
bears W.

West boundary Twp. 18 N. Rg. 2 E.

Chains

16.00 Cross dry wash, ^{102 lbs} course
S.E. bears N.W.

28.75 Cross dry wash, ^{12 lbs} course
S.W. bears N.E.

40.00 Set a malpais stone 18x12x
5 ins. 12 ins in the ground,
for $\frac{1}{4}$ sec. cor.; marked
 $\frac{1}{4}$ on W. face; from which
A cedar 8 ins. diam. bears
S. $79\frac{1}{2}^\circ$ E. 39 lbs. dist. marked
 $\frac{1}{4}$ S 7 BT.

A cedar 4 ins. diam. bears
N. $72\frac{1}{2}^\circ$ W. 30 lbs. dist.
marked $\frac{1}{4}$ S 12 BT.

65.00 Run along on E. slope
of cañon, course S.W.
bears N.

76.25 Cross dry wash in bottom
of cañon, ^{15 lbs} course W. bears
E.

West boundary T₁₈N. R₂E. S₆E.

Chains

80.00

Set a malpais stone 24x14
x10 ins. 18 ins. in the ground
for cor. of secs. 1, 6, 7 and
12, marked with 1 notch
on N. and 5 notches
on S. edges; from which
A cedar 12 ins. bears N. 26° E

66 lks. dist. marked

T₁₈N. R₂E. S₆E
A cedar 10 ins. diam. bears

S. 62½° E. 87 lks. dist. marked

T₁₈N. R₂E. S₇E.

W cedar 4 ins. diam. bears

S. 89° W. 2 lks. dist. marked

T₁₈N. R₁E. S₁₂E.

A cedar 10 ins. diam. bears

N. 10° W. 39 lks. dist. marked

T₁₈N. R₁E. S₁E.

Land, mountainous

Timber, cedar

Soil, rocky; 4th rate.

West boundary Pp. 18 N. Rg. 2 E.
chains.

Mountainous or heavily
timbered land 80.00 chs.

June 13: At this cor. I
set off $23^{\circ} 10' N.$ for my
declination; and take
latitude at noon; the
resulting latitude is
 $34^{\circ} 59'$ or about 0.1 greater
than the proper latitude

North bet. secs. 1 and 6

Over rolling mountains
through heavy cedar timber

35.70 Cross wash, 30 lks. wide,
course S.W. bears N. E.

40.00 Set a malpais stone 28×14
 $\times 6$ for $\frac{1}{4}$ sec. cor, 21 ins in
the ground; - marked $\frac{1}{4}$ on
W. face; from which
a cedar 12 ins. diam. bears $S. 80^{\circ} W.$

West boundary Pps. 18 N. Rg. 2 E.
chains

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

A cedar 14 ins. diam. bears $\text{S. } 11^{\circ} \text{ E.}$

19 lks. dist. marked $\frac{1}{4}$ S 6 B T.

80.00 I set temp. cor. of Pps. 18 N.
Rgs. 1 and 2 E.

I then go to the cor.
of Pps. 19 N. Rg. 1 and 2 E.
which is a sandstone 12×5
3 ins. lying loosely on top
of ground, witnessed by
two bearing trees S. of cor.,
and with notches nearly
obliterated. I destroy
all traces of this old cor.
and reestablish it at the
same point as follows:
Set a sandstone $26 \times 16 \times 5$
ins 20 ins in the ground,
for cor. of Pps. 19 N. Rgs. 1
and 2 E. marked with

West boundary Pps. 18 N. Rg. 2 E.

chains

6 notches on N., E., and W. edges; from which a cedar 18 ins. diam. bears N. 34° E. 64 lks. dist. marked T19NR 2 ES 31 BT.

A cedar 14 ins. diam bears N. 10° 30' W. 81 lks. dist. marked T19NR 1 ES 36 BT.

From this cor. I run East. Over Mt. load and at

124.56 Intersect the W. bdy. of Pp. 18 N. Rg. 2 E. 17.44 chs. N. of 1/4 sec. cor. bet. secs. 1 and 6. at this point I establish the cor. of Pps. 18 N. Rgs. 1 and 2 E. as follows:

Set a malpais stone 24 x 14 x 10 x ins. 18 ins. in

West boundary Pps. 18 N. Rg. 2 E.
chains

the ground for cov. of Pps.
18 N. Rgs. 1 and 2 E. marked
with 6 notches on E., S.
and W. edges; from which
A cedar 16 ins. diam. bears
S. $16^{\circ}06'E$. 161 lks. dist. marked
T18NR2E.S6BT.

A cedar 14 ins. diam. bears
S. $32^{\circ}24'W$. 110 lks. dist. marked
T18NR1E.S1BT.

Land, mountainous
Timber, cedar.

Soil, rocky; 4th rate.

Mountainous and heavily
timbered land 57.44 chs.
Connecting Line No. 124.56 chs.
June 13, 1902.

South boundary Pps. 18 N. Rgs. 2 E.
chains

June 14: At 7^h 00^m a.m. l.m.t.

I set off $23^{\circ} 15' 30''$ N. for my
declination; $55^{\circ} 05' 30''$ for
my co-latitude; and
determine a true meridian
with the solar at the cor.

of Pps. 17 and 18 N. Rgs. 1 and 2
E., heretofore described.

Thence I run

East bet. secs. 6 and 31

Over rolling mountains
along general N. slope.

18.94 Cross dry wash, course N. bears
S. 10 E. wide

35.50 Descend steep bluff.

39.00 Bottom of bluff.

39.49 Set a sandstone $20 \times 20 \times 16$ ins
15 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face;
from which a cedar 12 ins.

South boundary Twp. 18 N. Rg. 2 E
chains.

diam. bears N. 51° W. 177 lks.
dist. marked $\frac{1}{4}$ S 31 BT. No
other bearing tree available.

From this cor. ^{the} ~~the~~ ^{practicable} S. E. cor.
of John Johnson's house bears
N. 7° 52' E.

44.00 Cross gully, course N. E. bears
S. W.

60.00 Top of ridge bears N. and S.

66.50 Cross dry wash course N.
bears S.

70.50 Top of ridge, bears N. and S.

74.00 Cross dry wash, ^{15 lks.} course N. W.
bears S. E. and ascend steep
W. slope.

~~82.00~~ Set a limestone 26 X 16 X 10
79.49 ins. 20 ins. in the ground
for cor. of secs. 5, 6, 31 and
32 marked with 5 notches
on E. and 1 notch on W.

South boundary Tp. 18 N. Rg. 2 E.
chains

edges; and raised a mound
of stone 2 ft. base $1\frac{1}{2}$ ft. high
W. of cor.; from which
A cedar 10 ins. diam. bears
N. $16^{\circ}45'W$. 113 lks. dist.

marked T18NR2E5³¹~~32~~BT.
No other trees available, Pita Impunctabil,
Land, mountainous

Soil, sandy and rocky;
3rd and 4th rate.

No timber.

Mountainous land ~~80.00~~ 79.49

chs.

East bet. secs. 5 and 32.

Ascend steep W. slope
through scattering cedar
timber.

4.00 Top of ridge bears N. and
S. and descend.

10.00 Cross ravine, course N.

South boundary Pp. 18 N. Rg. 2 E.
Chains

- bears S. and ascend steep
W. slope.
- 20.60 Pop of mountain and
over mountain top.
- 40.00 Set a sandstone 24X12X
5 ins. 18 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N. face; and raised
a mound of stone 2 ft.
base $1\frac{1}{2}$ ft. high, N. of
cor. Pits impracticable.
- 45.00 Edge of steep bluff and
descend
- 63.00 Right bank of Verde River
course S. E. bears N. W.
- 63.90 Left bank of Verde River
and ascend steep S. W.
slope.
- 77.60 Pop of steep bluff.
- 80.00 Set a limestone 22X14X8

South boundary Tp. 18 N. Rg. 2 E.

ins. 16 ins. in the ground
for cor. of secs. 4, 5, 32 and
33; marked with 4 notches
on E. and 2 notches on W.
edges; from which

A cedar 6 ins. diam. bears
N. 10° E. 123 lks. dist. marked
T18NR2ES33BT.

A cedar 8 ins. diam. bears S.
 $75^{\circ}15'$ W. 131 lks. dist. marked
T17NR2ES5BT.

A cedar 8 ins. diam. bears
N. $65^{\circ}30'$ W. 177 lks. dist.
marked T18NR2ES32BT.

No other bearing tree avail-
able. Site impracticable

Land, mountainous
Soil, rocky; 4th rate.

Timber, cedar.

Mountainous land 80.000chs.

South boundary Twp. 18 N. Rg. 2 E.
chains

- East bet. secs. 4 and 33.
Over broken mountains
through scattering cedars
- 17.39 Top of bluff bears N. and
S. and over rocky moun-
tain top through heavy
cedar timber.
- 40.00 Set a sandstone 20X10X
6 ins. 15 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N. face; from which
A cedar 3 ins. diam. bears
N. 40° E. 22 lks. dist. mark-
ed $\frac{1}{4}$ S 33 BT.
- A cedar 8 ins. diam. bears
S. 42° E. 42 lks. dist. marked
 $\frac{1}{4}$ S 4 BT.
- 67.00 Cross dry wash course
S. E. bears N. W.

BOOK 1417

South boundary Pp. 182. Pg. 2 C.

Chains

80.00 Set a sandstone $24 \times 12 \times 6$ ins. 18 ins. in the ground for cor. of secs. 3, 4, 33 and 34; marked with 3 notches on E. and W. edges; from which
 A cedar 3 ins. diam. bears $S. 53^{\circ} 45' E.$ 128 lks. dist. marked T17NR2ES3BT.
 A cedar 4 ins. diam. bears $S. 25^{\circ} 30' W.$ 17 lks. dist. marked T17NR2ES4BT.
 A cedar 24 ins. diam. bears $N. 53^{\circ} 30' W.$ 121 lks. dist.

marked T18NR2ES33BT.

No other trees available. Pits imp't.

Land, mountainous

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily timbered land 80.00 chs.

South boundary Twp. 18 N. Rg. 2 E.
Chains

June 14, 1902

June 15: At 7^h00^m a.m. l.m.t.
I set off $23^{\circ}18'30''$ N. for
my declination; $55^{\circ}05'30''$
for my co-latitude; and
determine a true meridian
with the solar at the cor.
of secs. 3, 4, 33 and 34.

Thence I run
East bet. secs. 3 and 34.

15.00 Descend steep E. slope
of mountain
Bottom and over broken
intus.

40.00 Set a sandstone $26 \times 14 \times 4$
ins. 18 ins. in the ground
for $\frac{1}{4}$ sec. cor.; marked
 $\frac{1}{4}$ on N. face; and raised
a mound of stone 2 ft.
base $1\frac{1}{2}$ ft. high, N. of cor.

South boundary Tp. 18 N. Rg. 2 E.

Pits impracticable

55.50 Left bank of Verde River
Course N.E. bears S.W.

56.40 Right bank of Verde River.

80.00 Set a sandstone 20x12x4
ins. 15 ins. in the ground,
for cor. of secs. 2, 3, 34 and
35, marked with 2 notches
on E. and 4 notches on W.
edges; and raised a
mound of stone 2 ft. base
1½ ft. high, W. of cor.

Pits impracticable.

Land, mountainous

Soil, rocky; 4¢ rate.

Timber, a few scattering
cedars.

Mountainous land 80.00
chs.

South boundary Twp. 18 N. Rg. 2 E.
chains

- East bet. secs. 2 and 35
Over rolling mtns.
- 3.50 Right bank of Verde River
course S. E. bears N. W.
- 4.50 Left bank of Verde River
and ascend steep W.
slope.
- 10.75 Top of mountain and
over rolling top of
mountains through
scattering cedar timber
- 21.50 Cross rocky ravine, ^{12th} course
S. bears N.
- 30.00 Cross rocky ravine, ^{20th} course
S. W. bears N. E.
- 40.00 Set a sandstone 18 X 14 X 3
ins. 12 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face; from which
A pinon 6 ins. diam.

South boundary Twp. 18 N. Rg. 2 E.

Chains

bears N. $26^{\circ}15'$ E. 49 lks. dist.
marked $\frac{1}{4}$ S 35 BT.

A cedar 4 ins. diam. bears
S. $28^{\circ}30'$ E. 20 lks. dist.
marked $\frac{1}{4}$ S 2 BT.

79.60 Cross dry wash, course S.W.
bears N. E.

80.00 Set a sandstone $20 \times 14 \times 3$
ins. 15 ins. in the ground
for cor. of secs. 1, 2, 35 and
36, marked with 1 notch
on E. and 5 notches on W.
edges; and raised a
mound of stone 2 ft. base
 $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.

Land, mountainous
Soil, rocky; 4th rate.
Timber, cedar.

Mountainous land 80.00 lks.

South boundary Twp. 18 N. Rg. 2 E.
Chains.

East bet. secs. 1 and 36.

Over broken mountains
through scattering cedar
timber.

33.45 Cross wash, ^{gully} course S. bears N.
and ascend steep W. slope.

40.00 Set a sandstone 20x20x5 ins.
15 ins. in the ground marked
1/4 on N. face; and raised
a mound of stone 2 ft.
base 1 1/2 ft. high, N. of
cor.

48.50 Top of mountain and
over rolling mountain
top.

✓ 64.40 Cross draw, course N. W.
bears S. E.

80.00 Set a sandstone 26x10x6
ins. 18 ins. in the ground

South boundary Pps. 18 N. Rg. 2 E.
Chains

for cor. of Pps. 17 and 18 N.
Rgs. 2 and 3 E. marked
with 6 notches on N. S.
E. and W. edges; from
which a cedar 10 ins.
diam. bears S. $71^{\circ}30'W$. 37
lks. dist. marked T17NR2E
S1BT; a cedar 5 ins. diam.
bears N. $54^{\circ}30'W$. 123 lks.
dist. marked T18NR2E S36
BT. No other bearing trees
available; And raised
a mound of stone 3 ft.
base 2 ft. high ~~S~~ of
cor.

Land, mountainous
Soil, rocky; 4th rate.
Timber, cedar.

Mountainous land 80.00
chs.

South boundary Pp. 18 N. Rg. 2 Co.
chains.

June 15-1902

East boundary Pps. 18 N. Rg. 2 E.
Chains.

June 16: At 7^h 00^m a.m. l.m.t.
I set off. $23^{\circ} 20' 30''$ N. for
my declination; $55^{\circ} 05' 30''$
for my co-latitude and
determine a true meridian
with the solar at the
cor. of Pps. 17 and 18 N. Rgs.
2 and 3 E.

Thence I run

North bet. secs. 31 and 36.

Over rolling top of mountains
through cedar timber.

40.00 Set a sandstone $32 \times 10 \times 3$
ins. 24 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
N. on N. face; from which
A cedar 4 ins. diam. bears
S. $67^{\circ} 45'$ E. 82 lks. dist.
marked $\frac{1}{4}$ S 31 BT.

A cedar 10 ins. diam. bears

East boundary Pp. 18 N. Rg. 2 E.

Chains

S. $81^{\circ}45'$ W. 245 lks. dist.

marked $\frac{1}{4}$ S 36 BT.

60.00 Leave cedar timber.

80.00 Set a sandstone $26 \times 16 \times 4$ ins.

18 ins. in the ground for cor.

secs of secs, 25, 30, 31 and 36.

marked with 5 notches on

N. and 1 notch on S. edges;

and raised a mound of

stone 3 ft. base 2 1/2 ft. high

W. of cor. Pits impracticable

Land, mountainous

Soil, rocky; 4th rate.

Timber cedar.

Mountainous land, 80.00 lks.

North bet. secs. 25 and 30.

Over top of mountain

3.50 Cross ravine course S. W. bears

N. E.

East boundary Twp. 18 N. Rg. 2 E.

Chains

- 13.00 Cross ravine course S. E. bears N. W.
- 40.00 Set a sandstone 18 X 12 X 3 ins.
12 ins. in the ground for
1/4 sec. cor. marked 1/4 on
W. face; from which a
cedar 6 ins. diam. bears
S. 4°00' W. 179 lks. dist.
marked 1/4 S 25 BT. No
other bearing tree available
^{Pits impracticable}
- 67.00 Enter pinon and cedar
timber.
- 80.00 Set a sandstone 30 X 15 X 5 ins.
22 ins. in the ground for
cor. of secs. 19, 24, 25 and 30.
marked with 4 notches
on N. and 2 notches on S.
edges; from which
A cedar 3 ins. diam. bears N. 61°30' E.
55 lks. dist. marked T 18 NR 3 E S 19 BT.
A cedar 4 ins. diam. bears S. 55° E.

East boundary Sp. 18 N. Rg. 2 E.
Chains

105 lks. dist. marked T18NR3ES 30 BT.

A cedar 4 ins. diam. bears S. 59° 45' W.

96 lks. dist. marked T18NR2ES 25 BT.

A pinon 6 ins. diam. bears N. 58° W.

109 lks. dist. marked T18NR2ES 24 BT.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar and pinon.

Mountainous and heavily
timbered land 80.00 chs.

North bet. secs. 19 and 24

Over broken mountains through
heavy cedar and pinon timber.

21.50 Cross draw course S.W. bears N.E.

33.75 Cross draw course S.W. bears N.E.

40.00 Set a sandstone 16X10X8 ins. 10
ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face; from
which, a pinon 10 ins. diam.

East boundary Tp. 18 N. Rg. 2 E.

Chains.

bears $S 85^{\circ} E$. 48 lks. dist. marked
 1/4 S 19 BT. - A pinon 4 ins.
 diam. bears $S 87^{\circ} 30' W$. 15 lks.
 dist. marked 1/4 S 24 BT.

80.00

Set a sandstone 24 X 14 X 6 ins.
 for cor. of secs. 13, 18, 19 and 24

18 in in ground

marked with 3 notches on
 N. and S. edges; from which
 A pinon 6 ins. diam. bears $N. 67^{\circ} 15' E$.
 51 lks. dist. marked T 18 N R 3 E S 18 BT.

A cedar 5 ins. diam. bears $S. 24^{\circ} E$.

49 lks. dist. marked T 18 N R 3 E S 19 BT.

A pinon 8 ins. diam. bears $S. 60^{\circ} 30' W$.

186 lks. dist. marked T 18 N R 2 E S 24 BT.

A cedar 10 ins. diam. bears $N. 37^{\circ} W$.

86 lks. dist. marked T 18 N R 2 E S 13 BT.

Land, mountainous.

Soil, rocky and sandy; 4th rate.

Timber, cedar and pinon.

Mountainous and heavily

East boundary W. 18 N. R. 2 E.

Chains.

timbered land 80.00 chs.

June 16, 1902

June 17: At 7^h00^m a.m. C.M.T.
I set off 23° 23' N. for my
declination; 55° 03' for my co-
latitude, and determine
a true meridian with the
solar at the cor. of secs.
13, 18, 19 and 24. Thence I
run

North bet. secs. 13 and 18.

Over rolling mountains
through pinon and cedar
timber.

- 15.40 Cross wash, ^{10^{ch}} course W. bears E.
26.40 Cross wash, ^{12^{ch}} course S.W. bears N.E.
40.00 Cross wash, ^{10^{ch}} course S.W. bears N.E.
41.00 The point for $\frac{1}{4}$ sec. cor. coming
in bottom of wash at

East boundary Sp. 18 N. Rg. 2 E.

Chains

41.00

Set a sandstone 18X14X3 ins.
 12 ins. in the ground for
 witness cor. to $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ W.C. on W. face;
 from which a cedar 8
 ins. diam bears N. $24^{\circ} 30'$ E.
 65 lks. dist. marked $\frac{1}{4}$ S 18 W C.
 BT. A pinon 14 ins. diam.
 bears S. 51° W. 34 lks. dist.
 marked $\frac{1}{4}$ S 13 W C. BT.

53.55

Cross wash, ^{new} course S.W. bears
 N.E.

76.50

Cross wash, course S.W. bears N.E.

79.20

Cross wash, course S.W. bears N.E.

80.00

Set a sandstone 20X16X3 ins.
 15 ins. in the ground for cor. of
 secs. 7, 12, 13 and 18, marked
 with 4 notches on S. and 2
 notches on N. edges; and
 raised a mound of stone

East boundary Sp 18 N. Rg. 2 E.

2 ft. base 1 1/2 ft. high, W.
of cor. Pite impracticable

Land mountainous

Soil, rocky and sandy;
4 th/₁₁ rate.

Timber, cedar and fir.

Mountainous and heavily
timbered land, 80.00 chs.

North bet. sec. 7 and 12.

Over rolling mountains
through oak brush and
scattering cedar timber.

0.30 Cross wash ^{2nd cor.} course S. E.
bears N. W.

4.20 Cross same wash course S. W.
bears N. E. and ascend
steep S. E. slope of spur
from mountain.

21.00 Top of spur bears S. W. and

East boundary Twp. 18 N. Rg. 2 E.

Chains

N.E. and ascend along
N.W. slope.

40.00 Set a sandstone 20X10X 4 ins.
15 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face;
and raised a mound of
stone 2 ft. base $1\frac{1}{2}$ ft.
high, W. of cor.

46.00 Top of spur bears N.E.
and S.W. and ascend along
N.W. slope of spur.

68.00 Ascend steep S. slope of
mountain.

80.00 Set a sandstone 20X14X 5
ins. 15 ins. in the ground
for cor. of secs. 1, 6, 7 and 12
marked with 1 notch on
N. and 5 notches on S. edges;
and raised a mound of
stone 2 ft. base $1\frac{1}{2}$ ft.

East boundary Pp. 18 N. Rg. 2 E.

Chains

high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

Mountainous land and
land covered with dense
underbrush 80.00 chs.

There being a perpendicular
bluff about 200 ft. high,
W. on line, on top of which
I try to get my flagman
but without success as
it is impossible to climb.
I therefore run West
from the cor. of secs. 1, 6, 7
and 12 seeking a point
where I may reach the
top of bluff

30.00

From this point I run
North

East boundary of Pps. 18 N. Rg. 2 E.

Chains

10.00

Running into the same
impassable cliff I run
West.

50.00

I am unable to find
point where I can
climb the cliff so from
this point I run

N^o 01^W the cliff bearing N. here

47.44

Set temp. cor. of secs.

1 and 2 on N. bdy. of

Pps.

Land, mountainous

Soil, rocky; 4th rate.

Timber, scattering cedars.

Mountainous land 137.44 chs.

June 17, 1902.

North boundary Pp. 18 N. Rg. 2 E.
Chains

June 18: At 7^h00^m a.m. C.M.T.
I set off $23^{\circ}24'$ N. for my
declination; $55^{\circ}00'30''$ for
my co-latitude and determine
a true meridian with the
solar at the temp. cor. of
secs. 1 and 2. Thence I run
West on a random line,
along the N. bdy of Pp. 18
N. Rg. 2 E. setting temp
 $\frac{1}{4}$ sec. and sec. cors. at
intervals of 40.00 chs.;
and at 398.97 chs., inter-
sect the W. bdy. of Pp. 18 N.
Rg. 2 E. 5 lks. S. of cor. of
Pps 18 N. Rgs. 1 and 2 E.
heretofore described.

June 18-1902.

North boundary Pp. 18 N. Rg. 2 E.

June 19: At 7^h00^m a.m. l.m.t.
I set off $23^{\circ}26'30''$ N. for
my declination; $55^{\circ}00'30''$
for my co-latitude and
determine a true meridian
with the solar at the
cor. of Pps. 18 N. Rgs. 1 and
2 E. Thence I run
East along N. bdy. sec. 6.
Over rolling mountains
through heavy cedar timber,
descending.

- 10.30 Top of rocky bluff 30 ft.
high, bears N. and S.
- 12.30 Cross wash, ^{12.40} course S.W.
bears N.E. and ascend.
- 38.97 Set a malpais stone
36 x 14 x 8 ins. 27 ins in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face

North boundary Pp. 18 N. Rg. 2 E.

Chains

- from which a cedar 4 ins diam bears
 $S. 8^{\circ} 30' W.$ 36 lks. dist. marked $\frac{1}{4} S 6 BT.$
 No other trees available, Pita impracticable
- 40.00 Top of ridge and along N. slope
- 65.00 Cross dry wash, course N.W. bears S.E.
- 78.97 Set a malpais stone $26 \times 20 \times 4$ ins. 18
 ins. in the ground for cor. of secs. 5 and
 6. marked with 5 grooves on E.
 and 1 groove on W. edges; from
 which a cedar 10 ins. diam. bears
 $S. 46^{\circ} 30' E.$ 85 lks. dist. marked $T 18 N R 2 E$
 $S 5 BT.$ - a cedar 10 ins. diam. bears $S. 30^{\circ}$
 $45' W.$ 28 lks. dist. marked $T 18 N R 2 E S 6 BT.$
- Land, mountainous
 Soil, rocky; 4th rate.
 Timber cedar.
 Mountainous and heavily
 timbered land 78.97 chs.

 East along N. bdy. sec. 5.

Along rocky, broken N. slope

North boundary Twp. 18 N. Rg. 2 E.

Chains

through dense cedar timber.

13.00

Leave timber and over bed of solid sandstone.

18.00

Leave bed of sandstone and through heavy timber.

40.00

Set a malpais stone 24x16x5 ins. 18 ins. in the ground, for 44 sec. cor. marked 4 on N. face from which a cedar 5 ins. diam. bears S. 67° W. 63 lks. dist. marked 4S5BT.

69.50

Cross wash, ^{12 lks.} course N. bears S. and ascend.

80.00

Set a malpais stone 22x12x4 ins. 15 ins. in the ground for. cor. of secs. 4 and 5 marked with 2 notches on W. and 4 notches on E. edges; from which a cedar 10 ins. diam. bears S. 48° E. 23 lks.

North boundary Pp. 18 N. Rg. 2 E.
Chains

dist. marked T18NR2ES4BT. A
cedar 6 ins. diam. bears S. 89° W. 112
lks. dist. marked T18NR2ES5BT.

Land mountainous.

Soil, rocky; 4 rate.

Timber, cedar.

Mountainous and heavily
timbered land 80.00 chs.

East along N. bdy. sec. 4

Ascend through dense cedar
timber

39.00 Top of ridge bears N. and S.
and descend.

40.00 Set a malpais stone 20 X
12 X 5 ins. 15 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face;
from which a cedar 5 ins diam
bears S. 55° 15' W. 40 lks. dist marked

North boundary Pp. 18 N. Rg. 2 E

$\frac{1}{4}$ S 4 BT.

80.00 Set a malpais stone 30X14X6
ins. 22 ins. in the ground,
for cor. of secs. 3 and 4;
marked with 3 notches on
E. and W. edges; from which
A cedar 5 ins diam. bears S. 49° W.
12 lbs. dist. marked T18NR2ES4 BT.
A cedar 12 ins. diam. bears S. 46° 30' E.
42 lbs. dist. marked T18NR2ES3 BT.
Land, mountainous.
Timber, cedar.
Soil, rocky; 4th rate.
Mountainous and heavily
timbered land, 80.00 chs.

East along N. bdy. sec. 3.
Descend rocky N.E. slope
through dense cedar timber.

40.00 Set a sandstone 18X10X6 ins.

North boundary Pp. 18 N. Rg. 2 E
chains.

- 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N.
 face; from which a cedar
 8 ins. diam. bears S. 55° E. 94
 lbs. dist. marked $\frac{1}{4}$ S 3 BT.
- 43.55 Cross wash ⁵/₁ in bottom of
 Railroad draw, course S. bears
 N.
- 59.90 Cross draw, course S bears
 N.
- 80.00 Set a sandstone 20X18X4
 ins. 15 ins. in the ground for
 cor. of secs. 2 and 3 marked
 with 4 grooves on W. and
 2 grooves on E. edges; from
 which a cedar 8 ins. diam bears
 S. 30° 30' E. 26 lbs. dist. marked
 T18NR2ES2BT. - A cedar 12
 ins. diam. bears S. 25° 30' W.
 32 lbs. dist. marked T18NR2ES3BT.

North boundary Tp. 18 N. Rg. 2 Co.
chains.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily
timbered land 80.00 chs.

June 19, 1902.

June 20: At 7^h 00^m a.m. l.m.t.

I set off $23^{\circ}27'N.$ for my
declination; $55^{\circ}00'30''$ for
my co-latitude and deter-

mine a true meridian with
the solar at the cor. of secs

2 and 3 on the N. bdy. of
the Tp. Thence I run

East along N. bdy. sec. 2.

Over rolling mountains
along general S. slope of
mountains through under
brush and scattering

North boundary Pp. 18 N. Rg. 2 Co.

Chains

- cedar timber ¹⁰ lbs
- 3.50 Cross draw ¹²₁₅ course S bears N.
- 17.20 Cross draw ¹²₁₅ course S.W. bears N.E.
- 40.00 Set a sandstone 28X14X6 ins
21 ins. in the ground for
1/4 sec. cor. marked 1/4 on N.
face; from which a cedar
4 ins. diam. bears S. 70°00' W.
16 lks. dist. marked 1/4 S 2 BT.
- 43.50 Cross gully ¹²₁₅ course S bears
N. and ascend steep S.W.
slope of mountain.
- 80.00 The temp. cor. of secs. 1 and
2. At this point I set
a sandstone 22X12X4 ins.
15 ins. in the ground for
cor. of secs. 1 and 2, marked
with 5 notches on W. and
1 notch on E. edges; and
raised a mound of

North boundary Pp. 18 N. Rg. 2 E.

chains.

stone $2\frac{1}{2}$ ft. base 2 ft. high
 W^{pt} of cor. Pits impracticable
 Land mountainous
 Soil, rocky; $4\frac{1}{4}$ rate.
 Timber, cedar.
 Mountainous land 80.00
 chs.

The line East runs over
 an impassable cliff about
 200 ft. high which bears
 N.W. and S.E. and which
 I endeavor to scale but
 am unable to find any
 point from which to reach
 the top and so am unable
 to run the N. bdy of sec 1.

June 20, 1902.

Latitudes, departures, and closing errors

Line designated	True bearing	Distance chs	Latitudes		Departures	
			N. chs	S chs	E. chs	W chs
W. bdry Tp.	South	457.44		457.44		
S. bdry. Tp.	East	479.49			479.49	
E. bdry Tp	North	400.00	400.00			
Offset	"	10.00	10.00			
Offset	N 00° W	47.44	47.44			
N. bdry. Tp.	West	398.97				398.97
Offset	"	30.00				30.00
Offset	"	50.00				50.00
Convergency						.51
			457.44	457.44	479.49	479.48
			457.44		479.48	
			Error in Lat. .00		Error in dep. .01	

The land in this township is mountainous and the soil rocky and sandy, worthless for agricultural purposes, but valuable for grazing, except about fifty acres in sec. 31 which is subject to

cultivation.

A dense growth of cedar timber covers nearly the whole township, with some pinon timber in the N.E. cor.

This township is well watered in the south west portion, the Verde River running through it. The water is clear and pure.

There are two settlers in sec. 31.

The general slope of land is from N.E. to S.W. and differs in elevation about 2000 feet from the N.E. cor. to the water of the Verde River.

James Bell Girard
U.S. Deputy Surveyor.
June 20th 1902

Recd
July 28

BOOK 1417 57

List of Names.

A list of the names of the individuals employed
 by James B. Girard
 U. S. Deputy Surveyor, to assist in running, measuring
 and marking the lines and corners described in the forego-
 ing Field Notes of the survey of the West boundary
of Tp. 17 N. R. 7 E. and all
the interior boundaries of Tp.
18 N. R. 7 E.

of the Gila and Salt River Base and Meridian, in the Ter-
 ritory of Arizona, showing the respective capacities in which
 they acted.

- A. N. Oliver Chairman.
- E. M. Donald Chairman.
- Chairman.
- Chairman
- C. A. Risinger Axeman.
- G. G. Gilmore Axeman.
- R. W. Hattis Flagman.

Final Oath of Assistants.

We hereby certify that we assisted *James B. Girard* U. S. Deputy Surveyor, in surveying all those parts or portions of the *West* boundary of *Tp. 17 N. R. 2 E.* and all the interior boundaries of *Tp. 18 N. R. 2 E.*

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor General for Arizona.

A. N. Gliva Chairman.

E. M. Donald Chairman.

Chainman.

Chainman.

C. A. Risinger Axeman.

G. L. Gilmore Axeman.

Park W. Latimer Flagman.

Sworn and subscribed before me, this *9th*

day of *July* 1902

R. K. Stormshen

Notary Public.

My commission

[SEAL]

Self pres July 3 1903

Final Oath of U. S. Deputy Surveyor.

I, *James B. Girard*.....U. S. Deputy Surveyor, do solemnly swear that in pursuance of a contract received from *Hugh N. Price*

United States Surveyor General for Arizona, bearing date

of the *24th* day of *April*..... 190*2*,

I have well, faithfully, and truly, in my own proper person,

and in strict conformity with the instructions furnished by

the United States Surveyor General for Arizona, the Man-

ual of Surveying Instructions, and the laws of the United

States, surveyed all those parts or portions of the *West**boundary of Sp. 17 N. R. 2 E.*.....*and all the exterior boundaries**of Sp. 18 N. R. 2 E.*.....

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing Field Notes as having been surveyed by me and under my direction; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the Manual of printed instructions, the special instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field notes, and that the foregoing are the true Field Notes of such survey; and should any fraud be detected I will

60

BOOK 1417

suffer the penalty of perjury, under the provisions of
of Congress approved August 8, 1846.

James B. Lira
U. S. Deputy Su

R. K. Shoemaker

Sworn to and subscribed before me this...

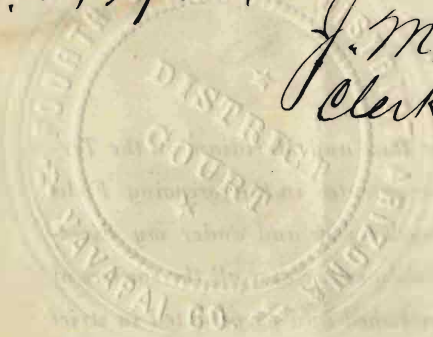
day of July 1902

R. K. Shoemaker

My commission expires Feb 3 1903

Subscribed and sworn to
before this 26th day
A. D. 1902.

J. M. W...
Clerk Dist...



APPROVAL. 61

OFFICE OF THE U. S. SURVEYOR GENERAL.

Phoenix, Arizona.

January 23-1903.

The foregoing field notes of the survey of East, West, North & South ---

Edys. Tpk. 18 North, Range 2 East ---

executed by James B. Grand, D.S. ---

under his contract No. 92 --- dated ---

April 24 1902, having critically

examined and the necessary corrections

and explanations made, the said field

notes, and the surveys they describe,

are hereby approved.

Hugh H. Price

U. S. Sur. Gen for Arizona. ---