

SUBDIVISIONS

TP 18 N, R. 2 E.

CONTRACT № 92

GIRARD

No 237
~~Book 2~~

BOOK 237

4-671

FIELD NOTES

GENERAL LAND OFFICE.

237

Copies by Leyright

compared Taylor's Leyright

Concluded from Book 231

BOOK 237

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 ~~Prost boundary~~
~~of Tp. 17 N. R. 2 E. all the exterior and~~
~~subdivision lines of Tp. 18 N. R. 2 E.~~
 necessary to include all the
 agricultural and grazing lands
 therein

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 Chainman.
E. M. Donald Chainman.
 Chainman.
 Chainman
C. A. Risinger Axeman.
G. S. Gilmore Axeman.
Carl W. Latimer Flagman.

1A

Final Oath of Assistants.

We hereby certify that we assisted James R. Girard U. S. Deputy Surveyor, in surveying all those parts or portions of the ~~West Boundary~~ Sp. 187 R. 2. E. all the ~~interior boundaries~~ and subdivision lines of Sp. 187 R. 2. E. necessary to include all the agricultural and grazing lands therein

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. R. Olson Chairman.

E. M. Donald Chairman.

..... Chairman.

..... Chairman.

C. A. Kisinger Axeman.

C. E. Libmore Axeman.

Chas. N. Fatimer Flagman.

Sworn and subscribed before me, this 1st

of July 1902

R. K. Hermon
Notary Public.

My Commission
[SEAL]
Expires July 3 1903

R. K. Hermon

1B

Final Oath of U. S. Deputy Surveyor.

I, James P. Girard
U. S. Deputy Surveyor, do solemnly swear that in pursu-
ance of a contract received from Hugh H. Price

United States Surveyor General for Arizona, bearing date
of the 24th day of April 1907

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 ~~State~~

~~Boundary of T. 17 N. R. 2 E., and the~~
~~interior and subdivision lines of~~
T. 18 N. R. 2 E. necessary to include
all the agricultural and grazing
lands therein

of the Gila and Salt River Base and Meridian, in the Ter-
ritory of Arizona, as are represented in the foregoing Field
Notes as having been surveyed by me and under my direc-
tion; 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

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

James Plimond
U. S. Deputy Surveyor

Sworn to and subscribed before me this... 9th 1902

day of ~~October~~ July 1902

R. K. Shornaker

Notary Public

My commission expires July 3, 1903

Subscribed and Sworn to before me this 26th day of July A.D. 1902

J. M. Watts
Clerk Dist. Court



No - 237

BOOK

237

Field Notes

of the survey of the
Subdivision Lines

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
Survey completed

Names and duties of assistants.

A. N. Oliver	Chairman
E. McDonald	Chairman
C. A. Risinger	Asman
J. G. Gilmore	Asman
P. W. Kattner	Plagman.

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Tp. 18 N. R. 2 E.

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Subdivision Twp. 18 N. Rg. 2 E.
chains

Soil, gravelly and rocky; 4th rate.

Timber, cedar.

Mountainous and heavily timbered
land 80.15 chs.

N. $0^{\circ} 02' W.$ bet. secs. 28 and 29.

Over mountain top through
heavy cedar timber.

15.00 Cross wash, course E. bears W.

39.05 Cross wire fence, bears N.W. and S.E.

40.00 Set a sandstone $30 \times 12 \times 3$ ins. 22
ins. in the ground for $\frac{1}{4}$ sec. cor.

marked $\frac{1}{4}$ on W. face; from which
a cedar 5 ins. diam. bears N. $56^{\circ} 30' E.$

70 lbs. dist. marked $\frac{1}{4} S 28 BT.$ - a cedar
8 ins. diam. bears N. $57^{\circ} W.$ 109 lbs.
dist. marked $\frac{1}{4} S 29 BT.$

80.00 Set a sandstone $30 \times 10 \times 6$ ins. 22
ins. in the ground for cor. of secs.
20, 21, 28 and 29 marked with

Subdivision Pp. 18 N. Rg. 2 E.
Chains.

4 notches on C. and 2 notches
 on S. edges; from which a cedar
 5 ins diam bears N. $21^{\circ} 30' E$ 100
 lrs dist marked J. 18, N. R. 2 E. 521
 B. T. a cedar 10 ins diam, bears S
 $45^{\circ} E$. 112 lrs. dist. marked J. 18 N.
 R. 2 E. 528 B. T. a cedar 4 ins diam
 bears S $23^{\circ} 40' W$. 63 lrs, dist.
 marked J. 18, N. R. 2 E. 529 B. T.
 a cedar 6 ins diam bears N 20°
 $15' W$. 360 lrs dist marked J. 18, N
 R. 2 E. 520 B. T.

Land Mountainous

Soil gravelly 4th rate.

Timber, Cedar

Mountainous and heavily timbered
 land 80.00 chains

East on a random line
 between Secs. 21 & 28

Subdivision of Tp 18 N R. 2 E.
chains

- 40.00 Set trap $\frac{1}{4}$ sec cor.
- 80.20 Intersect N + S line at the
cor of Secs 21, 22, 27 + 28.
Thence I run West on a
true line bet. Secs 21 + 28
- 1.45 Cross Wash course S.W. bear N.E.
- 20.90 Cross Wash course S.E. bear N.W.
- 40.10 Set a sandstone 24x8x4 ins.
18 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N face, from
which a cedar 24 ins diam bears
S. $31^{\circ}45'$ W. 40 lks dist. marked
 $\frac{1}{4}$ S. 28. B. J. a cedar 6 ins diam
bears N $24^{\circ}30'$ E. 23 lks dist.
marked $\frac{1}{4}$ S. 21. B. J.
- 80.20 The cor of secs 20, 21, 28 + 29,
Laud Mountains.
Soil sandy + gravelly #⁴ rate.
Timber Cedar. Mountains and heavily
timbered lands. 80,20 Cha.

Subdivision of T₁₈ NR 2 E,
 claims.

July 2nd

July 3rd at 7^h 00^m A.M. lmt.
 I set off, $23^{\circ}02'$ in my decl arc
 and $55^{\circ}04'$ for my co-latitude
 and determine a true Meridian
 with the solar at the cor of
 sec. 20, 21, 28 & 29. Thence
 run N $0^{\circ}02'$ W bet sec
 20 & 21 over top of mountains
 through heavy cedar timber.

40.00 Set a sandstone $18 \times 10 \times 8$ ins
 12 ins in ground for $\frac{1}{4}$ sec cor.
 marked $\frac{1}{4}$ on N. face, from which
 a cedar 14 ins diam bear $\text{Q} 38^{\circ}$
 $45'$ E. 16 lns dist. marked $\frac{1}{4}$ S
 21. B.T. a cedar 16 ins in diam
 bear N $69^{\circ}30'$ W. 13 lns dist.
 marked $\frac{1}{4}$ S 20 B.T.

75.00 Descend over rolling mountains

80.00 Set a sandstone $28 \times 14 \times 3$ ins

Subdivision of Sp 18 N R 2 E.
chains.

21 ins inground for cor of sec
16, 17, 20 & 21, marked with 4
notches on E, and 3 notches on Q
edges, from which a cedar 3 ins
diam bears N $62^{\circ}30'$ E, 63 lbs dist
marked S, 18, N, R, 2 E, S 16, B, J,
a cedar 24 ins diam bears S $66^{\circ}N'E$,
34 lbs dist, marked S 18 N R 2 E,
S, 21, B, J, a cedar 10 ins diam
bears S, $66^{\circ}15'W$, 79 lbs dist marked
S, 18, N, R, 2 E, S 20 B, J, a cedar
10 ins diam bears N $12^{\circ}30'W$,
28 lbs dist, marked S, 18, N, R,
2 E, S 14, B, J,

Land Mountainous

Soil sandy 3rd rate.

Timber Cedar.

Mountainous land and land
covered with heavy timber

80.00 chains

Subdivision of T₁ 15 N. R. 2 E.
Chains

East on a random line
bet secs 16 & 21

40.00 Set temp 1/4 sec cor.

80.20 Intersect N. & S. line on the
cor of sect 15, 16, 21 & 22

Thence I run West on a true
line bet. secs 16 & 21 over
rolling mountains through dense
cedar timber.

30.75 Cross wash course S. bears N.

40.10 Set a Malpais stone 20x14x6
ins. 15 ins in ground for 1/4
sec cor. marked 1/4 on N.
face, from which a cedar 6 ins
diam bears N 32° 30' E. 41 lvs
dist marked 1/4 S 16 B. J., a
cedar 6 ins diam bears S 72° E.
66 lvs dist. marked 1/4 S 21 B. J.

80 20 The cor of secs 16, 17, 20 & 21
Round Mountains

Subdivision of Sp. 18 N. R. 2 E.

Soil rocky & gravelly 4th rate,
Timber, Cedar,

Mountains and heavily timbered
land 80,20 chains

N. 0° 02' W. bit sec 16 + 17.

Over broken mountains through
cedar timber.

- 1.20 Head of wash course W.
- 9.30 Cross Ravine. Course SW base N.E.,
Pine timber.
- 18.70 cross wash. course SW base N.E.
- 30.70 Cross wash course NW base S.E.
- 38.50 Cross wash course SW base N.E. and
ascend steep SW. slope.
- 40.00 Set a sandstone 22 x 14 x 5 ins
15 ins in ground for 1/4 sec cor.
marked 1/4 on W. face and
raised a mound of stone
2 ft base 1 1/2 ft high N. of Cor.

Subdivision of Tp 18 NR 2 E.

Chains.

pits impractical

- 50.00 Top of round Mountain and ascend.
- 56.00 Head of two washes. course of one E. course of other W. and ascend
- 62.00 Top and over rolling mountains through heavy timber
- 76.00 Cross Ravine. Course S.W. bears N.E.
- 80.00 Set Malpais 24 x 12 + 6 ins. 18 ins in ground. for cor of sec 8, 9, 16 + 17. marked with 4 notches on S + E. edges from which. a cedar 8 ins diam bears N 73° 30' E. 39 lns dist. marked J. 18. N. R. 2 E. S. 9. B.T. a cedar 16 ins in diam bears S. 84° 15' W. 17 lns dist. marked J. 18. N. R. 2 E. S. 17 B.T. a cedar 10 ins diam. bears N 41° 30' W. 91 lns dist. marked

Subdivision of T₁₈ R₂ E.

T₁₈ R₂ E. S 8 B.T. No other

bearing tree available,
^{Pits impracticable}

Land Mountainous

Soil Rocky 4th rate,

Timber Cedar

Mountainous land and land

covered with dense cedar timber

80.00 chains.

East on a random line but sec

9-16

40.00 Set temp 1/4 Sec, cor.

80.16 Intersect N & S line at the cor
 of sec 9, 10, 15 & 16. Thence I
 run West on a true line but
 sec 9 and 16. Over level moun-
 tain top through dense cedar timber

√ 26.40 Cross wash in deep ravine and
^{course} ascend over rolling mountains

37.00 Leave timber.

Subdivision of Twp. 18 N. Rg. 2 E.
Chains.

- 40.08 Set a malpais stone 16 X 12 X 8
ins. 11 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
- 63.00 Top of ridge bears N. and
S. and descend through
heavy timber.
- 76.40 Cross ravine course S.W. bears
N.E.
- 80.16 The cor. of secs. 8, 9, 16 and 17.
Land, level and mountainous
Soil, rocky; $4\frac{1}{2}$ rate.
Timber, cedar.
Mountainous and heavily
timbered land 80.16 chs.

July 3, 1902.

July 4th 1902: At 7^h 00^m a.m.

Subdivision of Tp. 18 N. Rg. 2 E.

Chains

l.m.t. I set off $22^{\circ}57'N.$ for my declination $55^{\circ}02'$ for my co-latitude; and determine a true meridian with the solar at the cor. of secs. 8, 9, 16 and 17. Thence I run $N.0^{\circ}02'W.$ bet. secs. 8 and 9.

Ascend along E. slope of mountains through heavy cedar timber.

- 18.00 Pop and over rolling mountains
- 38.10 Cross wash, course N.W. bears S.E.
- 40.00 Set a malpais stone $22 \times 12 \times 5$ 15 ins. in the ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on W. face; from which a cedar 12 ins. diam bears S. $24^{\circ}30'E.$ 27 lbs. dist. marked $\frac{1}{4}S9BT$ - a cedar 6 ins. diam. bears S. $78^{\circ}W.$ 73 lbs. dist. marked $\frac{1}{4}S8BT.$
- 42.20 Cross wash, course S.W. bears N.E.
- 72.60 Cross wash, course S.W. bears N.E.

Subdivision of Tp. 18 N. Rg. 2 E.
Chains.

80.00

Set a sandstone 26x16x5 ins.
18 ins. in the ground for cor. of
4, 5, 8 and 9, marked with 4
notches on E. and 5 notches
on S. edges; from which a
cedar 5 ins. diam. bears N. 18° E. 18
lks. dist. marked T18NR2ES4BT.

A cedar 6 ins. diam. bears S. 58° 30' E. 23
lks. dist. marked T18NR2ES9BT.

A cedar 6 ins. diam. bears S. 36° W. 89
lks. dist. marked T18NR2ES8BT.

A cedar 4 ins. diam. bears N. 86° 30' W.
17 lks. dist. marked T18NR2ES5BT.

Land, mountainous.

Timber, cedar

Soil, rocky; 4th rate.

Mountainous and heavily
timbered land 80.00 chs.

East on a random line bet. secs. 4 and 9.

- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 80.22 Intersect N. and S. line on cor. of secs. 3, 4, 9 and 10. Thence run West on a true line bet. secs. 4 and 9. Over top of mountain through heavy cedar timber.
- 5.00 Descend W. slope of mountain and leave cedars.
- 16.00 Cross draw, course S. bears N. and ascend E. slope.
- 39.00 Top of ridge bears N. and S. and descend steep W. slope.
- 40.11 Set a malpais stone $20 \times 14 \times 4$ ins. 15 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.
- 51.00 Enter heavy cedar timber

Subdivision of Pp. 18 N. Rg. 2 E.
Chains

58.00 Cross wash course, S bears N.

80.22 The cor. of secs. 4, 5, 8 and 9.
Land, mountainous.Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily
timbered land: 80.22 chs.N. $0^{\circ}02'W$. on a random
line bet. secs. 4 and 540.00 Set temp $\frac{1}{4}$ sec. cor.57.47 Intersect N. bdy. of Pp. 15
lks. W. of cor. of secs. 4 and
5. Thence I run S. $0^{\circ}06'W$. on a true line bet.
secs. 4 and 5. Over rolling
mountains through dense
cedar timber.17.47 Set a malpais stone $28 \times 12 \times$
8 ins. 21 ins. in the ground

Subdivision T_p 18 N. R_g. 2 E.
Chains.

for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
W. face; from which a cedar
5 ins. diam. bears N. $60^{\circ}30'W$.

99 lks. dist. marked $\frac{1}{4}$ S 5 BT.

A cedar 8 ins diam bears S. $50^{\circ}45'E$.

130 lks. dist. marked $\frac{1}{4}$ S 4 BT.

57. 10 Cross wash, course S.W. bears N. E.

57. 47 The cor. of secs. 4, 5, 8 and 9.

Land, mountainous

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily
timbered land 57, 47 chs.

July 4, 1902.

July 5: At 7^h00^m a.m. l.m.t.

I set off $22^{\circ}52'N$. for my
declination; $55^{\circ}05'30''$ for
my co-latitude and determine
a true meridian with the

Subdivision of Pp. 18 N. Rg. 2 E.
Chains.

solar at the cor. of secs.
5, 6, 31 and 32 on the S.
bdy. of the Pp. Phence Drum
N. $0^{\circ}03'W$. bet. secs. 31 and 32.
Along steep broken W. slope
of mountain.

3.73 Top of perpendicular bluff 50 ft.
high.

4.25 Center wash course E. and
bears W.

5.00 Bottom of perpendicular bluff
40 ft. high.

14.00 Edge of bluff 300 ft. high.
From this point the S. E. cor.
of John Johnson's house bears
N. $37^{\circ}15'W$.

The river flowing between
perpendicular bluffs
impossible to chain over,
to determine the distance

Subdivision of Twp. 18 N. Rg. 2 E.

across I proceed as follows. I set my flagman on line across cañon and lay off a base line S. $89^{\circ}57'W$. 10.00 chs. to a point whence the flag bears N. $20^{\circ}59'E$.; from the flag the W. end of base line bears S. $20^{\circ}59'W$. therefore the dist. is $\tan. 68^{\circ}58' \times \text{base}$, or $2.600 \times 10.00 = 26.00$ chains, making the whole distance from sec. cor. $14.00 \times 26.00 = 40.00$ chs. point to my flag which I triangulate. Note: It being impossible to chain to the river I estimate the distance at 20.00 chs.

The Verde River here flows N.E. and bears N.W. 80 lks. wide.

40.00 Set a limestone $26 \times 16 \times 10$ ins.

Subdivisions of T₁₈N. R₂ E.
Chains

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
Thence ascend steep S.W.
slope.

46.30 Top and along E. slope of
mountains through scattering
cedar timber.

80.00 Set a sandstone 26X12X10 ins.
18 ins. in the ground for
cor. of secs. 29, 30, 31 and 32.
marked with 5 notches on E.
and 1 notch on S. edges;
from which; A cedar 4 ins.
diam. bears N. 11° E. 140 lks.
dist. marked T₁₈N R₂ E S 29 BT
A cedar 12 ins. diam. bears S. $67^{\circ}45'$ E.
92 lks. dist. marked T₁₈N R₂ E S 32 BT

Subdivision of Tl. 18 N. Rg. 2 E.

Chains

Cedar 18 ins. diam. bears S. 59° W. 34 lks.

dist. marked T18NR2ES31BT.

Cedar 24 ins. diam. bears N. 32° W. 142

lks. dist. marked T18NR2ES30BT.

Land, mountainous.

Soil, rocky and gravelly; 4th rate.

Timber, cedar.

Mountainous and heavily
timbered land, 80.00 chs.Cast on a random line bet. secs.
29 and 32.

40.00 Set temp 1/4 sec. cor.

80.15 Intersect N. and S. line at the
cor. of secs. 28, 29, 32 and 33.Thence run West on a
true line bet. secs. 29 and 32.Over mountain top through
dense cedar timber.

39.50 Descend along steep S.W.

Subdivision of Twp. 18 N. Rg. 2 E.
Chains.

slope of mountain.

40.075 Set a sandstone 28X16X10 ins.
21 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ ow N. face;
from which a cedar 12 ins. diam.
bears N. $13^{\circ}15'$ E. 42 lks. dist. mark-
ed $\frac{1}{4}$ S 29 BT. - A cedar 20 ins.
diam. bears S. 43° E. 57 lks. dist.
marked $\frac{1}{4}$ S 32 BT.

65.70 Cross dry wash, course S. E. bears
N. W. and ascend E. slope of
mountain.

80.15 The cor. of secs. 29, 30, 31 and
32 ins.

Land, mountainous

Soil, rocky and gravelly; 4th rate.

Timber, cedar.

Mountainous and heavily
timbered land 80.15 chs.

Subdivision of Pp. 18 N. Rg. 2 E.
Chains

- West on a random line bet.
secs. 30 and 31.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.54 Intersect W. bdy. of Pp. on
cor. of secs. 25, 30, 31 and 36.
Thence I run East on a
true line bet. secs. 30 and 31
Over broken mountains
through scattering cedar
timber.
- 7.80 Cross wash in bottom of ravine
course S. bears N. and ascend.
- 17.50 Top of ridge bears N. and S.
and descend.
- 26.00 Wash, course S. bears N.
- 39.54 Set a malpais stone 20 x
12 x 8 ins. 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on
N. face; from which
A cedar 24 ins. diam. bears

Subdivision of Pp. 18 N. Rg. 2 E.
Chains

N. $24^{\circ}30'$ E. 61 lks. dist. marked
 $\frac{1}{4}$ S $30'$ BT. - A cedar 8 ins. diam.
 bears S. 58° E. 11 lks. dist. mark-
 ed $\frac{1}{4}$ S $31'$ BT.

63.50 Top of ridge bears N. and S.
 and descend E. slope thro
 heavy cedar timber.

79.54 The cor. of secs. 29, 30, 31 and
 32.

Land, mountainous.

Soil, rocky and gravelly;
 4^{th} rate.

Timber, cedar

Mountainous and heavily
 timbered land 79.54 chs.

N. $0^{\circ}03'$ W. bet. secs. 29 and 30
 Over mountain tops through
 heavy cedar timber.

40.00 Set a sandstone $28 \times 12 \times 10$.

Subdivision of Tr. 18 N. Rg. 2 E.
chains

ins. 21 ins. in the ground for
1/4 sec. cov., marked 1/4 on W.
face; from which a cedar
5 ins. diam. bears N. 80° 45' E. 38
lks. dist. marked 1/4 S 29 BT. - a cedar
20 ins. diam. bears S. 4° 15' W. 58 lks.
dist. marked 1/4 S 30 BT.

59.30 Gully, course N. W. bears S. E.

80.00 Set a sandstone 20 X 14 X 10 ins.
15 ins. in the ground for cov. of
secs. 19, 20, 29 and 30 marked
with 5 notches on E. and 2
notches on S. edges; from which
a cedar 3 ins. diam. bears N. 17° 30' E. 28
lks. dist. marked T18NR2ES 20 BT. a
cedar 8 ins. diam. bears S. 47° 15' E. 25
lks. dist. marked T18NR2ES 29 BT. - a
cedar 5 ins. diam. bears N. 30° W. 47 lks.
dist. marked T18NR2ES 19 BT. No
other bearing tree available.

Subdivision of Twp. 18 N. Rg. 2 E.

Chains

Pite. impracticable.

Land, mountainous

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily
timbered land 80.00 chs.

July 5, 1902.

July 6: At 7^h 00^m am. l.m.t. I
set off $22^{\circ}46'N$. for my declination
 $55^{\circ}04'$ for my co-latitude and
determine a true meridian
with the solar at the cor.
of secs. 19, 20, 29 and 30. Thence
I run

East on a random line
bet. secs. 20 and 29.

40.00 Sit temp $\frac{1}{4}$ sec. cor.

80.26 Intersect N. and S. line 1 lb.

S. of cor. of secs. 20, 21, 28 and
29. Thence I run

Subdivision of Pp. 18 N. Rg. 2 E.

West on a true line bet. secs.
20 and 29 Over rolling moun-
tains through heavy cedar
timber

- 40.13 Set a sandstone $16 \times 12 \times 4$ ins.
10 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. $34^{\circ} 15'$ W.
65 lks. dist. marked $\frac{1}{4} S 20 BT.$
A cedar 10 ins. diam. bears S. 48°
 $15'$ E. 38 lks. dist. marked $\frac{1}{4} S 29 BT.$
- 49.20 Cross wash course N. bears S.
- 55.15 Cross wash course N. bears S.
- 66.84 Descend steep W. slope.
- 76.00 Ascend E. slope.
- 80.26 The cor. of secs. 19, 20, 29 and
30.

Land, mountainous
Soil, rocky and sandy;

Subdivision of Pp. 18 N. Rg. 2 E.
Chains.

4th rate.

Timber, cedar.

Mountainous and heavily
timbered land 80.26 chs.

West on a random line bet.
secs. 19 and 30.

40.00 Set temp 1/4 sec. cor.

79.46 Intersect W. bdy of Pp. 13
chs. N. of cor. of secs. 19, 24, 25
and 30. Thence I run
N. 89° 54' E. on a true line
bet. secs. 19 and 30. Over
top of mountain

3.00 Descend into ravine.

6.00 Bottom of ravine and ascend,
course S. E. bears N. W.

14.50 Top of ridge bears N. and S.
and descend E. slope.

30.50 Cross wash course S. bears N.

Subdivision of Pp. 18 N. Rg. 2 E.

Chains

- 39.46 Set a sandstone 20X12X6 ins.
15 ins. in the ground, for $\frac{1}{4}$
sec. cor., marked $\frac{1}{4}$ on N. face;
from which a cedar 10 ins.
diam. bears S. $11^{\circ}30'$ E. 184 lks.
dist. marked $\frac{1}{4}$ S 30 BT. No
other bearing tree available.
^{Pits, impracticable.}
Thence ascend Steep W.
slope.
- 44.70 Top of ridge bears N. and S.
and descend E. slope.
- 54.00 Cross dry wash in bottom of
ravine course S.W. bears N.E.
and ascend.
- ? 67.00 Cross draw course N. bears S.
- 79.46 The cor. of secs. 19, 20, 29 and
30.
Land, mountainous
Soil, rocky and sandy; $4^{\frac{1}{2}}$ rate
Timber, cedar.

Subdivision of Pp. 18 N. Rg. 2 E.
Chains

Mountainous land 79.46 chs.

N. $0^{\circ}03'$ W. bet. secs. 19 and 20.

Over rough mountain top through heavy cedar timber.

- 3.10 Cross wire fence bears E. and W.
- 15.10 Cross old brush fence bears E. and W.
- 19.50 Cross gully course S. W. bears N. E.
- 40.00 Set a malpais stone $18 \times 14 \times 5$ ins.
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face,
from which a cedar 5 ins diam.
bears S. $47^{\circ}30'$ E. 81 lks. dist.
marked $\frac{1}{4}$ S 20 BT. A cedar 10 ins.
diam. bears S. $70^{\circ}30'$ W. 30 lks.
dist. marked $\frac{1}{4}$ S 19 BT.
- 62.80 Cross dry wash course S. W.
bears N. E.
- 64.40 Cross dry wash course S. W. bears
N. E.

Subdivision Tps. 18 N. Rg. 2 E.

Chains

80.00 Set a sandstone 18 X 14 X 5 ins.
12 ins. in the ground for cor.
of secs. 17, 18, 19 and 20 marked
with 5 notches on E. and
3 notches on S. edges; from
which a cedar 6 ins. diam
bears N. 78° 45' E. 50 lks. dist.
marked T18NR2ES17BT. - a cedar
12 ins. diam. bears S. 25° 30' E. 46
lks. dist. marked T18NR2ES20BT.
A cedar 14 ins. diam. bears S. 15°
W. 137 lks. dist. marked T18NR2E
S19BT. - A cedar 8 ins. diam. bears
N. 51° 45' W. 132 lks. dist. marked
T18NR2ES18BT.

Land mountainous.

Soil, rocky and gravelly; 4th rate.
Mountainous and heavily
timbered land 80.00 chs.

Subdivision of Twp. 18 N. Rg. 2 E.

chains

East on a random line bet.
secs. 17 and 20

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

80.29 Intersect N. and S. line 14
lks. S. of cor. of secs. 16, 17, 20
and 21. Thence I run
S. $89^{\circ}54'W.$ on a true line
bet. secs. 17 and 20 descend
along N. slope of mountain
through heavy cedar timber.

24.64 Cross dry wash in bottom
of ravine course S. bears N.

40.145 Set a malpais stone $16 \times 10 \times 4$
ins. 10 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. $10^{\circ}E.$ 78 lks.
dist. marked $\frac{1}{4} S 17 BT.$ - A cedar
16 ins. diam. bears S. $5^{\circ}30'W.$
120 lks. dist. marked $\frac{1}{4} S 20 BT.$

Subdivision of Pp. 18 N. Rg. 2 E.
chains.

- 52.05 Cross draw course S. E. bears N. W.
- 80.29 The cor. of secs. 17, 18, 19 and 20.
Land, mountainous.
Soil, rocky and gravelly; 4th rate
Mountainous and heavily
timbered land 80.29 chs.
- S. 89° 54' West on a random line bet.
secs. 18 and 19.
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.14 Intersect W. bdy. of Pp.
¹⁸
~~18~~ lks. S. of cor. of secs. 13, 18, 19
and 24. Thence I run
S 89° 58' E. on a true line bet.
secs. 18 and 19 over mountain through Cedars
- 19.00 Cross ravine, course S. bears N.
- 34.70 Cross dry wash, course S. W. bears N. E.
- 39.14 Set a sandstone 18 X 10 X 4 ins. 12
ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face; from

Subdivision of Twp. 18 N. Rg. 2 E.
chains

which a cedar 12 ins. diam.
bears S. $4^{\circ}00'W$. 149 lks. dist.
marked $\frac{1}{4}$ S 19 BT. - a cedar 10
ins. diam. bears N. $42^{\circ}15'W$. 67
lks. dist. marked $\frac{1}{4}$ S 18 BT.

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

79.14 The cor. of secs. 17, 18, 19 and 20.
Land mountainous.

Soil, rocky and sandy; 4th rate.
Mountainous or heavily
timbered land 79.14 chs.

July 6, 1902.

July 7: At 7^h00^m a.m. l.m.t.
I set off $22^{\circ}40'30''N$. for my
declination; $55^{\circ}03'$ for my co-
latitude; and determine a true
meridian with the solar at
the cor. of secs. 17, 18, 19 and 20
Phencee Drum
N. $0^{\circ}03'W$. bet. secs. 17 and 18.

Subdivision of Pp. 18 N. Rg. 2 E.
Chains.

- Over top of mountains through heavy cedar timber.
- 23.70 Cross dry wash course S.W. bears N.E.
- 35.70 Cross dry wash course S.W. bears N.E.
- 40.00 Set a sandstone $28 \times 10 \times 6$ ins. 21 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 S. 87° E. 95 lks. dist. marked $\frac{1}{4}$ S 17 BT. - a cedar 18 ins. diam. bears N. 81° W. 142 lks. dist. marked $\frac{1}{4}$ S 18 BT.
- 63.00 Cross wash course S.W. bears N.E.
- 80.00 Set a malpais stone $18 \times 14 \times 3$ ins. 16 ins. in the ground, for cor. of secs 7, 8, 17 and 18, marked with 5 notches on E. and 4 notches on S. edges.

Subdivision of Pp. 18 N. Rg. 2 E.
chains

from which, a cedar 36 ins.
diam. bears N. 51° 30' E. 86 lks.
dist. marked T18NR2ES 8BT - a
cedar 6 ins. diam. bears S. 52° 45' E. 90 lks.
dist. marked T18NR2ES 17BT - a cedar
8 ins. diam. bears S. 29° 15' W. 62 lks. dist.
marked T18NR2ES 18BT. - No other
bearing tree available.

^{Pits impracticable}
Land, mountainous

Soil, rocky and sandy; 4th rate
Timber, cedar.

Mountainous and heavily timbered
land 80.00 chs.

N 89° 54' East on a random line bet. secs.
8 and 17.

40.00 Set temp. 1/4 sec. cor.

80.30 Intersect N. and S. line 16 lks

✓ N. of cor. of secs. 8, 9, 16 and 17

Thence Iron

Subdivision of Pp. 18 N. Rg. 2 E.

Chains

N. $89^{\circ}59'W$. on a true line bet. secs. 8 and 17. over rolling mountains through heavy cedar timber.

40.15

Set a malpais stone $20 \times 14 \times 12$ 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. $21^{\circ}30'E$. 80 lks. dist. marked $\frac{1}{4}S8BT$. - a cedar 20 ins. diam. bears S. $33^{\circ}30'W$. 84 lks. dist. marked $\frac{1}{4}S17BT$.

Thence ascend along N. slope of mountains.

64.00

Top of ridge bears N.W. and S.E. and descend.

80.30

The cor. of secs. 7, 8, 17 and 18. Land, mountainous. Soil, rocky; 4th rate. Timber cedar.

Subdivision of Pp. 18 N. Rg. 2 E.
Chains

Mountainous and heavily
timbered land 80.30 chs.

N 89° 58' West on a random line bet. secs.
7 and 18. Over top of mountains.

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

79.10 Intersect W. bdy of Pp., 3 lks.

✓ N ~~89~~ of cor. of secs. 7, 12, 13 and 18

Phence Iron

S. 89° 59' E. on a true line bet.
secs. 7 and 18 Over top of
mountains through heavy
cedar timber.

35.50 Cross dry wash, course S. bears
N. E.

39.10 Set a malpais stone 20 X 14
X 4 ins. 15 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N. face; from which a cedar
20 ins. diam. bears N. 53° E. 60

Subdivision of Twp. 18 N. Rg. 2 E.
chains

lks. dist. marked $\frac{1}{4}$ S 7 B.T. - a
cedar 6 ins. diam. bears $\text{S. } 83^{\circ} \text{ E.}$

63 lks. dist. marked $\frac{1}{4}$ S 18 B.T.

79. 10 The cor. of secs. 7, 8, 17 and 18.

Land, mountainous.

Soil, rocky and gravelly; $\frac{1}{4}$ rate.

Timber, cedar.

Mountainous and heavily
timbered land 79.10 chs.

$\text{N. } 0^{\circ} 03' \text{ W.}$ bet. secs. 7 and 8.

Over rolling mountains through
heavy cedar timber.

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

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

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

40.00 Set a malpais stone $20 \times 12 \times 5$ ins
15 ins. in the ground for $\frac{1}{4}$ sec.

cor. marked $\frac{1}{4}$ on W. face;
from which a cedar 12 ins. diam.

Subdivision of Pp. 18 N. Rg. 2 E.

Chains

bears $S 65^{\circ} E$. 70 lks. dist. marked

$\frac{1}{4}$ S 8 BT - a cedar 4 ins. diam

bears $N. 56^{\circ} W$. 75 lks. dist.

marked $\frac{1}{4}$ S 7 BT.

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

80.00 Set a malpais stone 24 x 14

x 6 ins. 18 ins. in the ground

for cor. of secs. 5, 6, 7 and 8

marked with 5 notches

on S. and E. edges; from

which, a cedar 6 ins. diam.

bears $N. 33^{\circ} 45' E$. 50 lks. dist.

marked T18NR2ES5BT.

A cedar 4 ins. diam. bears $S. 81^{\circ}$

$30' E$. 79 lks. dist. marked

T18NR2ES8BT. - A cedar 8 ins.

diam. bears $S. 42^{\circ} W$. 63 lks.

dist. marked T18NR2ES7BT.

A cedar 10 ins. diam. bears

Subdivision of Pp. 18 N. Rg. 2 E.

Chains

N. $33^{\circ}45'W$. 28 lks. dist. marked

T18NR2ES6BT.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily
timbered land 80.00 chs.

July 7, 1902.

July 8: at 7^h00^m a.m. l.m.t. I
set off $32^{\circ}34'N$. for my declin-
ation; $55^{\circ}01'$ for my co-
latitude and determine a
true meridian with the
solar at the cor. of secs.

5, 6, 7 and 8.

Thence I run

$S 89^{\circ}59'$ East on a random line
bet. secs. 5 and 8.

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

Subdivision of Twp. 18 N. Rg. 2 E.

Chains

80.18

Intersect N. and S. line

✓

~~20~~ ²⁰ lks. S. of cor. of secs. 4, 5,

8 and 9. Thence I run

S. $89^{\circ}52'W$. on a true line
bet. secs. 5 and 8.

Over rolling mountains
through heavy cedar timber.

0.50

Cross wash course S.E. bears

N.W.

21.00

Cross head of wash course S.

40.09

Set a malpais stone $18 \times 10 \times 6$
ins. 12 ins. in the ground

for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N. face; from which

A cedar 4 ins. diam. bears

N. $20^{\circ}W$. 23 lks. marked

$\frac{1}{4}S5BT$. A cedar 8 ins diam.

bears S. $20^{\circ}E$. 5 lks. dist.

marked $\frac{1}{4}S8BT$.

59.00

Cross head of wash course

Subdivisions of Pp. 18 N. Rg. 2 E.
chains.

S.

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

80.18 The cor. of secs. 5, 6, 7 and 8.
Land, mountainous.

Soil, rocky 4th rate.

Timber cedar.

Mountainous and heavily
timbered land 80.18 chs.

N 89° 59' West on a random line
bet. secs. 6 and 7.

40.00 Set temp. 1/4 sec. cor.

79.05 Intersect W. bdy of Pp.
11
1/2 lks. S. of cor. of secs. 1, 6,
7 and 12. Hence I run
S. 89° 54' E. bet. secs 6 and 7
on a true line.

Over rough mountains
through dense cedar timber

Subdivision of Pp. 18 N. Rg. 2 E.

chains

39.05 Set a malpais stone 18x12
x5 ins. 12 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. 28° W. 32 lks. dist. marked
 $\frac{1}{4}$ S 6 BT.

A cedar 12 ins. diam. bears
S. $76^{\circ} 15'$ E. 35 lks. dist. mark-
ed $\frac{1}{4}$ S 7 BT.

79.05 The cor. of secs. 5, 6, 7 and 8.
Land, mountainous
Soil, rocky; 4^{th} rate.
Mountainous and heavily
timbered land 79.05 chs.

N. $0^{\circ} 03'$ W. on a random line
bet. secs. 5 and 6.

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

57.60 Intersect N. bdy. of Pp.

Subdivision of Pp. 18 N. Rg. 2 E.

Chains

14 lks. W. of cor. of secs. 5 and
6. Thence I run

✓ S. $0^{\circ} 06' W.$ on a true line
bet. secs. 5 and 6. over
rolling mountains through
dense cedar timber.

4.75 Cross draw, course N.W. bears
S.E.

17.60 Set a malpais stone $30 \times 12 \times$
 3 ins. 22 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
W. face; from which a cedar
 10 ins. diam. bears S. $79^{\circ} 15' E.$
 55 lks. dist. marked $\frac{1}{4} S 5 BT.$
A cedar 6 ins. diam. bears
S. $60^{\circ} 15' W$ 26 lks. dist.
marked $\frac{1}{4} S 6 BT.$

57.60 The cor. of secs. 5, 6, 7 and
8.
Land mountainous

Subdivisions of Pp. 18 N. Rg. 2 E.
chains

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily
timbered land 57.60 chs.

July 8, 1902.

The land in this township
is mountainous and the soil
rocky and sandy, worthless
for agricultural purposes but
valuable for grazing, except
about 50 acres in sec 31
which are subject to cultiv-
ation. A dense growth of
Cedar timber covers nearly
the whole township, with
some Piñon timber in the
N.E. corner. The S.W. portion
of this township is well
watered the Verde River

running through it, and
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 ft. from the
N.E. Cor to the waters of
the Verde River.

James Bell Girard,
U.S. Deputy Surveyor
July 8th 1907.

BOOK 237

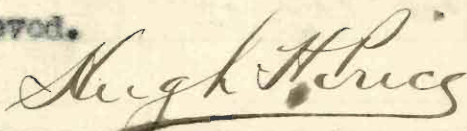
A P P R O V A L .

OFFICE OF THE U.S. SURVEYOR GENERAL.

Phoenix, Arizona.

January 23-1903.

The for-going field notes of the survey of _____ Subdivisions of _____ T₁p. 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.



U.S. Sur. Gen. for Arizona.