

Book No 2.

Subdivisions of
T 16 N., R. 6 E

Cont. No 101.

No 199

4-671

FIELD NOTES
GENERAL LAND OFFICE.

199

No-199

Subdivision of Twp 16 N. R. 6 E.

Chains

53

Set a sandstone $30 \times 14 \times 8$ ins 22
ins in the ground for closing
corner bet secs 8 and 9, with
with 4 notches on E and 2 notches
on wedges found c.c. on square
marker.

a pin 8 ins in diam to $S 43^{\circ} E$: 68
lbs dist: $W 2 d T 16 N R 6 E S 1 B T$.

a pin 6 ins in diam to $S 36^{\circ} W$:
74 lbs dist: $W 2 d T 16 N R 6 E S 8 B T$.

Land, mountainous -

Soil, rocky 3rd rate -

Timber cedar and pine -

Mountainous country 77.90 chains.

Oct 1st 1902

Oct 2nd 1902 at 7 a.m. l.m.t.

Set off $34^{\circ} 45'$ on the lat arc
and $3^{\circ} 19' 5''$ on the decl arc and de-
termine a true meridian with

59 Subdivision of Tp 16 N. 13g 6 E.:

Chains

the solar at the cor of sec 31, 32
5 and 6 on the S boundary of the
Tp S. Hence I run $N 00^{\circ} 03' W$ on a
true line bet sec 31 and 32
over rolling country through
dense cedar timber.

00.75-

Cross flag staff road course S. E.

40.00

Set a malpais stone $24 \times 12 \times 7$ ins 18 ins in the ground for $\frac{1}{4}$ sec on road $\frac{1}{4}$ on W face. Whencea cedar 7 ins ^{in diam} thro $N 69^{\circ} E$; 02 lbs dirt
set $\frac{1}{4}$ 532131.a cedar 8 ins in diam thro $N 84^{\circ} W$:33 lbs dirt: set $\frac{1}{4}$ 53110.T

57.20

S Brink of cañon and descend.

62.30

Bed of cañon course S. W. and ascend.

68.00

N Brink of cañon.

80.00

Set a malpais stone $30 \times 18 \times 10$

ins 22 ins in the ground for

cor of sec 29, 30, 31 and 32 road

David S. B. M. Arizma-
chains

with 1 notch on 5 and 5 notches
on 2 edges. Where:

a cedar 4 ins in diam bro N 12° E:

187 lbs dist: mhd T 16 N R 62 529 B.T.

a cedar 6 ins in diam bro S 39° 2: 100

lbs dist: mhd T 16 N R 62 532 B.T.

a cedar 12 ins in diam bro S 8° W:

53 lbs dist: mhd T 16 N R 62 531 B.T.

a cedar 36 ins in diam bro N 68° W:

74 lbs dist: mhd T 16 N R 62 530 B.T.

Land, rolling -

Soil, rocky & sterile.

Timber cedar and pine -

Dense growth of cedar and
pine timber 5000 chains

East on a random line set secs

29 and 32.

40.00

Set temp 1/4 sec cov.

79.90

Full 1/4 sec of the end of secs

61 Subdivision of Twp 16 N R 6 E:
chains

28, 29, 32 and 33. Thence I run
West on a true line bet secs
29 and 32 over rolling country
through dense cedar timber

38.13

cross road to N.W. and S.E.

39.95-

Set a malpais stone $30 \times 20 \times 6$ ins
22 ins in the ground for $\frac{1}{4}$ sec

cor mtd $\frac{1}{4}$ on N face - Whence

a cedar 6 ins in diam to N 21° E:

79 the dist: mtd $\frac{1}{4}$ S 29° 15'.

a cedar 8 ins in diam to S 33° W: 39

the dist: mtd $\frac{1}{4}$ S 32° 13'.

79.90

Ln of secs 29, 30, 31 and 32.

Land, rolling -

Timber cedar and pine

Soil rocky 4th rate.

Dense growth of cedar and
pine timber \$9.50 chains

Grand S. R. Mt. Arizona
Chains

West on a random line hit secs
30 and 31

40.00

Set trap $\frac{1}{4}$ sec ~~east~~ ^{of secs. 30 and 31}

78.56

Fill 20 lbs of ~~cr~~ on W side of
Top - Thence S on $88^{\circ}51'E$
on same line hit secs 30 and 31
over mountainous country

through scattering cedar timber

7.50

Top of hill and descend

36.40

cross dry wash and ascend -

38.55

Set a malpais stone $20 \times 18 \times 12$ ins
15 ins in the ground for $\frac{1}{4}$ sec
on ~~W~~ $\frac{1}{4}$ on N face - Thence:
a cedar 4 ins in diam br $78^{\circ}E$
22 lbs dist: $\frac{1}{4}$ S 30 BT.
a cedar 18 ins in diam br $S 18^{\circ}E: 41$
lbs dist: $\frac{1}{4}$ S 31 BT

39.00

Ascend slope

56.10

Brink of bluff and then over
rolling mesa -

63

Subdivision of Twp 16 N Rg 6 E.

Chains

78.55-

Corners 27, 30, 31 and 32-

Land, mountainous -

Soil, rocky & the rest -

Timber cedar and pine -

Mountainous land or heavy

Cedar timber 78.55-Chains -

700°03. At the sec 29 and 30 over
rolling country through scattering
cedar timber -

17.00

S. brink of Pattersons Lake -

17.20

Descend rapidly -

740.00

Mark a mark in place

36 x 30 x 18 ins above ground with

corn for east except for 1/4 sec in

and 1/4 on W face - Measure:

a cedar 4 ins in diam brs 326°E: 82

Obs dist: and 1/4 525.15 T

a cedar 4 ins in diam brs 208°W: 110

Obs dist: and 1/4 530.15 T

Land S. R. Mer Arizona

Chains

- 5400 95-th wide
 Bed of Prottimore canon, and second
- 6520 second step N. side of R. canon -
- 7897 as the crypt falls on a steep
 precipitous bluff - I mark a
^{36 x 36 x 30 ins above ground}
 malpais in place, with cross fr
 exact crypt of secs 19, 20, 29 and 30, and
 marked with W. C. M. S. face, 5 notches on E
 and 2 notches on S edges - Whence
 a cedar 10 ins in diam brs N 68° E: 169 lbs
 dist: marked W. C. T 167 R 62 S 20 B T
- a cedar 12 ins in diameter N 42° W: 121
 lbs dist: marked W. C. T 167 R 62 S 19 B T
- a cedar 12 ins in diam brs N 89° W: 140 lbs dist
 marked W. C. T 167 R 62 S 30 B T
- a pinon 6 ins in diam brs S 6° E: 175
 lbs dist: marked T 167 R 62 S 29 B T
- Land, mountainous -
 Soil, rocky & the rote.
 Timber, cedar and pinon -
 Mountainous land 80.00 chains

68 Subdivision of Twp 16 N. R. 6 E.
Chains

Oct. 2 1902

Oct 3rd 1902 at 7 a.m. l.m.t.

✓ Set off $54^{\circ}47'$ on the cut arc and $30^{\circ}42'$ on the dial arc and determine a true meridian with the solar at the ^{pt} _^ faces 19, 20, 29 and 30. Then I run East on a random line but sets 20 and 29.

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

79.95⁵ Field & lbs of $\frac{1}{4}$ sec faces 20, 21, 28 and 29. Then I run N $89^{\circ}47'$ W on a true line but sets 20 and 29 over rough mountainous country through dense oak brush and scattering cedar timber.

39.97^{1/2} Set a molpau stone 20 x 10 x 8 ins 10⁻ ins in the ground for $\frac{1}{4}$ sec cor. ^{marked $\frac{1}{4}$ on 2 face} - Where a cedar 4 ins in diam. bro N 24° W. 22 lbs dist. ^{marked $\frac{1}{4}$ 5 20 135.}

Gard J.R. Mrs Arizona -
trans

cedar 5 ins in diam to 5300. 98

the dist. about $\frac{1}{4}$ 529 B.T.

57.45 - cross dry wash course S.W. 25th wide

54.45 - cross dry wash course S. 15th wide

77.72 Bluff and descent rapidly -

59.55 - corques 19, 20, 29 and 30.

Rand, mountainous -

soil, rocky 4th note

Timber cedar & pine

Mountainous country covered

with dense oak brush 7970 - the

78905' W on a random line bet
recs 19 and 30. from true cor~~rect~~

40.00 Set temp $\frac{1}{4}$ sec ew -

78.84 Bill 20 lbs 5 of corques 19 and 30
on the W. side of the Sp. - 9. There

I run 58943' E on a true line

bet recs 19 and 30 over rough

mountainous country through

667 Subdivision of Twp 16 N Rg 6 E:
Chains

- 38.54 set a molpau stone 22x12x6 ins 16 ins in the ground for $\frac{1}{4}$ sec corner outed $\frac{1}{4}$ m of face; and I raise a mound of stone 2 ft base $1\frac{1}{2}$ ft high of ev. Pit impracticable
- 71.10 cross small corner course S.E. 30th wide
- 71.90 cross draw course S.E. and ascend
- 78.62 cut ^{at} grass 19, 20, 29 and 30.
7. Rand, mountains -
Soil rocky, 3rd and 4th rate -
Timber cedar and pine -
Mountainous country 78.04 chs

From line cor pt

N 30° 53' W bet sec 13 and 20 up steep

3 slope of mesa through scattering cedar timber and dense oak brush -

29.66 Top of slope and near setting mesa

40.52 set a molpau stone 22x16x4 ins

Land & R. Mer. Ridge -
Chains

15 ins in the ground for $\frac{1}{4}$ sec on
notch $\frac{1}{4}$ on W face. W. Hence -

a cedar 4 ins in diam brs $S 31^{\circ} E : 60$

the dist: notch $\frac{1}{4}$ S 20 B.T.

a cedar 12 ins in diam brs $S 78^{\circ} W : 87$

the dist: notch $\frac{1}{4}$ S 15 B.T.

48.67

W edge of mesa and descend rapidly -

85.00

Set a candlestone 20 x 12 x 4 ins 15 ins in
the ground for enques 17, 18, 19 and

20, notch with 3 notches on S and

5 notches on E edges - W. Hence:

a pin 8 ins. in diam brs $N 9^{\circ} W$:

66 the dist: notch T 16 N R 62 S 17 B.T.

a pin 6 ins in diam brs $S 66^{\circ} E : 38$ No

dist: notch T 16 N R 62 S 20 B.T.

a pin 10 ins in diam brs $S 50^{\circ} W$:

24 the dist: notch T 16 N R 62 S 19 B.T.

a cedar 4 ins in diam brs $N 40^{\circ} W : 44$

the dist: notch T 16 N R 62 S 18 B.T.

Land, mountainous -

Subdivision of Twp 16 N. R. 4 E. S. 2

Chains

Soil, rocky 4th rate

Timber, cedar and pine -

Mountainous land 8000 chains

58903712 on a random line bet
secs 17 and 20 -

40.00

Set traps $\frac{1}{4}$ sec cor -

79.72 ✓

Set 50 lbs N of cor of secs 17, 16, 20 and 21.

Thence I run N 85° 44' W on a true
line bet secs 17 and 20 over mount-
-ainous country through dense
polyrude brush

2.91

Climb of mesa and descend rapidly

36.50

Foot of slope -

39.86

Set a sandstone 36 x 12 x 6 ins 27 ins

in the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$

on N face - W. corner:

a cedar 15 ins in diam bro 788° E: 133

the dist: marked $\frac{1}{4}$ 317 BT.

a cedar 20 ins in diam bro 57° 00' W: 43 lbs

Grand S.P. West Arizona -
Chains

- 46.16 cross draw course N.W.
 50.62 Top of ridge thro N.E. and S.W.
 56.20 cross draw course N.W.
 79.72 cor of secs 17, 18, 19 and 20.
 Land, mountainous -
 Soil, rocky & th. rot.
 Timber, cedar, pines and polygona
 Mountainous land 79.72 Chs -

 N 89° 43' W on a random line
 bet secs 18 and 19 -
 40.00 Set temp 1/4 sec cor
 78.34 Full 17 Chs N of cor of secs 18 and 19 on W
 side of Tp - Thence I run 589° ^{50'} E:
 on a true line bet secs 18 and 19
 over mountainous country through
 dense cedar timber -
 2.20 Top of ridge and descend -

71 Subdivision of Top 16 of Reg 6 E:
Chains

- 4.90 Foot of ridge and ascend rapidly -
38.34 Set a sandstone 20, 17, 18 and 20 - 15 - 10 in
the ground for $\frac{1}{4}$ sec or would $\frac{1}{4}$ in
more. Where:
a pinon 8 ins in diam bro 2030°W: 30
lbs dist: and $\frac{1}{4}$ 518.13.T.
a pinon 6 ins in diam bro 526°W: 78 lbs
dist: and $\frac{1}{4}$ 519.13.T.
- 40.00 crosses dry wash course N E 30 ft wide
42.14 Top of ridge, bro 20 x 5 and descend
78.34 cor of secs 17, 18, 19 and 20.
Hard mountainous soil, rocky with note -
Timber clear - Mt. land with dense timber 78.34 on

I set 3rd 1502

Oct 4th 1902 at 7 A.M. E.M.T.
I set off 34°48' on the lat arc
and 4°4' ^{S.} in the decl. arc and
determine a true meridian with
the solar at the cen of secs 17, 18
19 and 20. True decl. 90°03'W.
Set sec 17 and 18 over mountain

Grand S. R. West Virginia.

72

Chains

Country thorough dense cedar
timber and oak brush.

- 6.00 Leave timber -
- 18.00- Bottom of draw course W.
- 19.00 Top of ridge bro W.
- 28.20 Cross by wash course S.W. 25 ft wide
- 45.00 Set a sandstone 24 x 18 x 10 ins 18 ins in
the ground for $\frac{1}{4}$ secant and $\frac{1}{4}$ m
W face - Whence: a
cedar 4 ins in diam bro S 31° E: 150
the dist: whd $\frac{1}{4}$ S 17 B.T.
- a cedar 4 ins in diam bro S 64° W: 60
the dist: whd $\frac{1}{4}$ S 18 B.T.
- 51.24 Cross by wash course S.W. 15 ft wide
- 80.00 Set a sandstone 30 x 18 x 4 ins 22 ins
in the ground for courses 7, 8
19 and 18 and with 5 notches on
E and 4 notches on S edges. Whence:
a cedar 18 ins in diam bro S 91° E: 71
the dist: whd T 16 27 R 6 E S 17 B.T.

73

BOOK

190

Book 199

Subdivision of TP 16 N R 6 E

chains

a cedar 4 ins in diam brs S 52° W. 64

the dist: mhd T 16 N R 6 E S 18 B. T.

a cedar 15 ins in diam brs N 75° W. 25 7/16

dist: mhd T 16 N R 6 E S 7 B. T. There being

no other trees in limits I

raise a mound of stone 2 ft base

1 1/2 ft high W of cor. Pits impracticable

land, mountainous.

Soil, rocky & the rest.

Timber, cedar and pine.

Mountainous land 85.00 chains.

389° 44' E on a random line bet secs

8 and 17.

40.00

Set temp 1/4 sec cor.

79.70

2
Fall the 217 of cor of secs 8, 9, 16 and 17.

Thence I run N 85° 43' W on a true

line bet secs 8 and 17 over rolling

country through scatt. cedar timber

9.80

cross dry wash course S. W.

Grand Teton Park Arizona
chains

- 1320 Top of ridge and descend
- 39.83- Set a sandstone 20x15-14 ins 15 ins in
the ground, for $\frac{1}{4}$ sec. - and $\frac{1}{4}$ m
W face; dug pits 18x18x12 ins., E and
W of stone, 3 ft dist; and raised a
mound of earth, $3\frac{1}{2}$ ft base, $1\frac{1}{2}$ ft
high, N of cor. Where -
a cedar 6 ins in diam bro N 90° W: 220
tho dist: and $\frac{1}{4}$ 58 15. T.
- 45.10 zero west course S. W. 30 then wide
- 52.37 cross dry wash course S. - 15- then wide
- 59.10 cross dry wash course S. W. 25 then wide
- 79.70 end of nos 7, 8, 17 and 18.
- hard mountainous -
Soil gravelly 3rd rate -
Timber, scattering cedars -
Mountainous land 79.70 chains

N 89° 50' W on a random line at
nos 7 and 18.

75- Subdivision of Twp 16 N R36 E
Chains

- 40.00 Set temp $\frac{1}{4}$ sec cor-
- 78.53 Well 5 lbs $\frac{1}{2}$ of cor of nos 7 and 18 on
Wbdry of Twp - 5 thence S run
589032' E on a true line to nos
7 and 18 over rolling country through
scattering cedar timber and oak brush.
- 7.43 cross old wagon road to S.E.
- 6.50 cross dry wash course S.
- 19.63 cross dry wash course S.W. 14 lbs wide
- 26.53 Top of ridge and descend to S.W.
- 38.53 Set a walrus 20 12 16 ins 15 ins in
the ground for $\frac{1}{4}$ sec cor road $\frac{1}{4}$ on
N face - thence:
a pinon 8 ins in diam to N 61° E:
71 lbs dist: road $\frac{1}{4}$ S 73° E.
a pinon 6 ins in diam to S 53° E: 42
lbs dist: road $\frac{1}{4}$ S 14° E.
- 41.18 cross dry wash course S. 10 lbs wide
- 46.53 cross ridge to nos 7 and 5.
- 49.53 cross dry wash course S. 25 lbs wide

Y and J. P. West Arizona - 76
Chains -

- 54.00 cross dry wash course S.W. 15 $\frac{1}{4}$ wide
78.53 cross sec 7, 8, 17 and 18 -
Raid rolling -
Soil, gravelly 3 $\frac{1}{2}$ mts -
Timber, cedar and pine -
Cedar and pine timber 40 chains -

N 55° 03' W bet sec 7 and 8 over
mountainous country through
scattering cedar timber and
oak-brush -

- 21.75 cross dry wash course S.W. 25 $\frac{1}{4}$ wide
25.80 cross dry wash course S.W. 15 $\frac{1}{4}$ wide
35.00 Top of ridge bet 8 + W and descend.
45.00 Set a sandstone 18 X 12 X 4 ins 13 ins
in the ground $\frac{1}{4}$ sec cor. $\frac{1}{4}$ mtd
 $\frac{1}{4}$ on W face. At here:
a pine 12 ins in diam No 57, 1° W;
37 lbs dist: mtd $\frac{1}{4}$ 57 B.T.
a pine 4 ins in diam No S 52° E;

77 Subdivision of Tp 16 N R 6 E:
Chains

80 Chs dist: subd $\frac{1}{4}$ S 8 13 T.

#500 0000 draw hrs S. W.

4210 cross dry wash course S. W. 40 Chs wide

7796 Intersect the 4th standard

parallel N 89° 35' W and 13.71 chains

cut from the standard cor

of sec 32 and 33 of Tp 17 N R 6 E

and I set a sandstone 30 X 18 X 4

ins 22 ins in the ground for

closing cor bet sec 7 and 8, subd

with 5 notches on E and 1 notch

on W edges and c.c. on S face:

Whence:

a cedar 8 ins in diam hrs S 54° W: 138

Chs dist: subd c.c. T 16 N R 6 E S 7 13 T.

a pine 6 ins in diam hrs S 78° E: 57

Chs dist: subd c.c. T 16 N R 6 E S 8 13 T.

Land, no mountains.

Soil rocky & ^{dry} water.

Timber, cedar and pine.

Grand S. R. Meridian Arizona. 78.

Mountainous country covered
with scattering cedar timber
and oak brush 97-96 chs.

Oct 4th 1902

General Description

This township contains
nothing but mountainous
land and the soil is
generally rocky and sterile
with the exception of
about two sections in
the N.W. part of the Twp
which is about 2nd rate
and would be valuable
for agricultural purposes
but for the lack of water.
Nearly the whole township

is covered with a very dense growth of cedar and pinon timber - There is no water in this T^p except in pools in the bed of canons -

The grass is fairly good on the mesa - The general character of this T^p is very rough and mountainous and is traversed by two very large canons, ^{viz:} Woods and Rattlesnake - The general formation is Molpau in the south east and central - Sandstone and limestone in the north and west - There are no settlers in this T^p -

James L. Girard
Park W. Saterer

U.S. Deputy Surveyors

A list of the names of the individuals employed by James B. Girard and Park W. Gutierrez U.S. Deputy Surveyors to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of the subdivision lines of Twp 16 N. R. 6 E. of the Gila and Salt River Basins and Meridian of the Territory of Arizona showing the respective capacities in which they acted

C. G. Zitsch	Chairman
T. R. Bath	Chairman
W. H. Helmore	Chairman

81+82

BOOK 199

J. W. Hanson

Flag man

Office of U. S. Surveyor General, 83

Phoenix, Arizona, April 14, 1903

The foregoing field notes of the survey of the

Subdivisions of
Tp. 16 N., R. 6 E.

in Arizona, Gila and Salt River Base and Meridian, executed by *Jamies B. Girard*

U. S. Deputy Surveyor, under Contract No.

91- dated *June 30-1902.* having been

critically examined, the necessary corrections

and explanations made, the said

field notes and the surveys they describe

are hereby approved.

August W. Price

U. S. Surveyor General for

District of Arizona.