

Book No. 1.

SUBDIVISIONS
of

FRACTIONAL T. 15 N., R. 0 E.

GIKARD & LITNER, U.S.S.
COPY 101.

No-185

4-671

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FIELD NOTES
GENERAL LAND OFFICE.

No-183-

Field Notes
of the
Subdivision Lines of Twp
15 N R 8 E.

of the
Gila and Salt River
Base and Meridian
of the
Territory of Arizona
as surveyed by
James B. Girard
and
Park W. Estimer
Under their contract
No 101.

Dated June 30th 1902.

Survey commenced Nov 11th 1902
Survey completed Nov 21st 1902

1A

Names and Duties of assistants

W. W. Platt Chairman

R. W. Keet Chairman

R. G. Brooke Alman

H. S. Bethwell Flyman

BOOK 185

No. 185

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and

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T 15 N 78 E

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1 10
 Subdivision of Twp 15 N R 8 E.
 Chains

Nov 11th 1902 at 7 a.m. l.m.t.

I set off $34^{\circ}40'$ on the lat arc and $17^{\circ}05'$ on the decl. arc and determine a true meridian with the solar at the en of sec 23, 24, 25 and 26, on the 5th day of the fractional Twp 15 N R 8 E. as before described. Thence I run $N00^{\circ}01'W$ in a true line to sec 23 and 24 over rough hilly country through many pine timber - descend gentle slopes

- 4.75 cross dry wash 10 to wide course c.
 11.50 Pine tree 24 ins in diam
 17.20 Pine tree 40 ins in diam
 21.00 Summit of mesa -
 40.00 Set a molpauis stone $20 \times 14 \times 6$ ins 15 ins in the ground for $\frac{1}{4}$ sec en Wbd $\frac{1}{4}$ or W free. Thence a pine 24 ins in diam to $N 94^{\circ}1'W$.

Grand S. P. Meridian Arizona
Chains108 lbs dist: wood $\frac{1}{4}$ 523 B.T.

a pine 24 ins in diam No 9132°42'E:

138 lbs dist: wood $\frac{1}{4}$ 524 B.T.

54.75 - S brink of cañon

61.50 Bed of cañon 150 lbs wide course W.

68.00 N brink of cañon.

72.00 Summit of mesa.

78.80 Cross dry wash 15 lbs wide course SW.

80.00 set a mulpais stone 18 X 14 X 10 ins 13
ins in the ground for the engineers
13, 14, 23 and 24 wood with 3 notches on
the S and 1 notch on the E edge:

Whence:

a pine 30 ins in diam No 556°30'E:

84 lbs dist: wood T 157°15'8" E S 24 B.T.

a pine 28 ins in diam No 556°W: 14

lbs dist: wood T 157°15'8" E S 23 B.T.

a juniper 15 ins in diam No 75°7'35"W:

167 lbs dist: wood T 157°15'8" E S 14 B.T.

a pine 36 ins in diam No 74°07'E:

Subdivision of ~~Top 13~~ ~~Top 13~~ ~~Top 13~~ 8 & 2:

Chains

171 lbs dist. mtd 7.15 MR 8 & 2 513 BT.

land, mountainous

Soil, rocky & thin.

Timber pine and juniper -

Rough mountainous country

covered with heavy timber 8000 lbs.

cut over a random line bet mes

13 and 24.

40.00

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

79.60

Entered the E. side of the Top 11

lbs of the cor of mes 13, 18, 19 and 24

Thence I run N 89° 05' W a true

line bet mes 13 and 24 over mts.

country -

8.50

cross dry wash 15-lbs wide course SW

38.00

Summit of mesa -

33.80

Set a malpais stone 20 x 18 x 8 ins

10 ins in the ground for $\frac{1}{4}$ sec

cor mtd $\frac{1}{4}$ on the N face. W. corner.

Land S. B. Windsor Oregon -
Chains

a pine 20 ins in diam hrs 520° E.

26 lbs dirt: mhd $\frac{1}{4}$ 524 B.T.

a pine 18 ins in diam hrs 218° 15' E.

21 lbs dirt: mhd $\frac{1}{4}$ 513 B.T.

79.60

The cor of nos 13, 14, 23 and 24.

Land, mountainous -

Soil, rocky & th. rot.

Timber, dense pine

Mountainous land heavily

timbered 79.60 chains.

N 00° 01' W bet nos 13 and 14 over rolling
mead through dense pines -

4.00

Top of ridge and descend -

12.18

Pine tree 24 ins in diam -

13.31

Pine tree 36 ins in diam -

39.55

cross dry wash 10 lbs wide course E.

40.00

Set a malpais stone 20 x 12 x 10 ins 15
ins in the ground $\frac{1}{4}$ m on
mhd $\frac{1}{4}$ on W face. W. P. Stone:

Subdividing **BOOK 185** of **Tract 9p 157 R 8 E**:

Chains

a pine 40 ins in diam No 581°E: 41

the dist: marked $\frac{1}{4}$ 513 B.T.

a pine 30 ins in diam No 583°30'W

101 the dist: marked $\frac{1}{4}$ 514 B.T.

80.00

Set a wolpains stone 18 x 12 x 6 ins 12 ins in the ground for the end of sec

11, 12, 13 and 14 marked with 4 notches in the sand, 1 notch on the edge

Balance:

An oak 18 ins in diam No 747°45'0.

102 the dist: marked T 157 R 8 E S 12 B.T.

a pine 30 ins in diam No 557°40'2.72

the dist: marked T 157 R 8 E S 13 B.T.

An oak 16 ins in diam No 535°30'W: 757

the dist: marked T 157 R 8 E S 14 B.T.

a pine 28 ins in diam No 787°W: 163

the dist: marked T 157 R 8 E S 11 B.T.

Land, mountainous -

Soil rocky & the rest -

Timber Pine and oak -

Grand Staircase ¹⁸⁵ Meridian Arizona -
Chains

Mountainous land covered with
heavy timber and good grass
8000 chains -

589055"E on a random line to
secs 12 and 13 -

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

8005 - Intersect the E Ady of the Top $\frac{1}{4}$ Sec
S of the cor goes 27, 12, 13 and 18. Thence
S. run 989059 W on a true line to
secs 12 and 13 over mountainous
country through heavy pine timber

20.05 Foot of slope and ascend

35.00 Summit of mountain -

40.02 Set a sodopsis stone 20x10x10 ins 15-
ins in the ground for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on N. side of stone:

a pine 20 ins in diam to 54002:

37th dist. marked $\frac{1}{4}$ S 13 13 T.

A pine 16 ins in diam to 989030 W.

Subdivisions of Top 13- N.B. 82:

Chains

129 lbs dit. mtd $\frac{1}{4}$ 5/12/31.

45.00

cross dry wash 200 lbs wide course N.W.

54.00

Top of ridge pro Ward 5.

58.00

descend -

80.05

The end of nos 11, 12, 13 and 14.

land, mountainous -

Soil, rocky & the rate -

Timber Heavy pine and oak -

Mountainous country covered with
a dense growth of pine and oak

timber 80.05 chains

Nov 11th / 1902

Nov 12th 1902 at 8 a.m. l.m.t. I
set off $34^{\circ}42'$ on the lat arc and
 $17^{\circ}25'$ on the decl arc and de-
termine a true meridian
with the solar at the end nos
11, 12, 13 and 14. I then I run
 $N00^{\circ}01'W$ on a true line bet

Grand S. R. Meridian Arizona -
Chains

- runs 11 and 12 over mountainous
land through heavy pine timber
and oak brush
- 12.46 cross wash 15 lbs wide course W.
- 13.32 juniper tree 30 ins in diam
- 17.63 Pine tree 20 ins in diam
- 27.00 Top of ridge hrs E and W.
- 40.00 Set a malpais stone 20 x 14 x 10 ins
15 ins in strong ground for $\frac{1}{4}$ sec cor
ward $\frac{1}{4}$ m the W face W. Hence:
a juniper 28 ins in diam hrs 79602.
31 lbs dist: ward $\frac{1}{4}$ 512 B.T.
a pine 14 ins in diam hrs 593015 W.
137 lbs dist: ward $\frac{1}{4}$ 511 B.T.
- 40.05 cross dry wash 10 lbs wide course
S.W.
- 49.00 Summit of Mesa
- 74.40 Oak tree 15 ins in diam
- 75.70 Descend
- 80.00 Set a malpais stone 18 x 12 x 8 ins

Subdividing of tract T₁₅N R₁₈E S₁
chains

13 ins in the ground for the cor
of recs 1, 2, 11 and 12 made with 5
notches on the 5 and 1 notch on
the 2 edges - Whence:

a oak 20 ins in diam br 19°30'E

86 lbs dist: made T₁₅N R₁₈E S₁ 13 T.

a pine 34 ins in diam br 53°30'E:

115 lbs dist: made T₁₅N R₁₈E S₁ 12 T.

a pine 14 ins in diam br 326°W. 68

lbs dist: made T₁₅N R₁₈E S₁ 11 T.

a pine 30 ins in diam br 74°14'W.

115 lbs dist: made T₁₅N R₁₈E S₁ 13 T.

ground mountainous. Soil, rocky with roots. Timber pine
and scrub oak. No land heavily timbered 5000 lbs

585°59'E on a random line bet
recs 1 and 12 -

40.00 Set Temp 1/4 sec en.

80.00 intersects E side of the top 7 lbs 11
of the cor of recs 1, 6, 7 and 12. Thence
I run 78°50'33"W on a true line
bet recs 1 and 12 over 2 rolling

Land A. B. Meridian Arizona
Chains

- 7.00 mesa through scattering timber
cross dry wash 20 lbs wide course S.
- 23.03 Top of ridge bro 2 and 5
- 34.50 cross draw 100 lbs wide course S.
- 40.04 1/2 Set a malpais stone 20 x 16 ins
15 ins in the ground for 1/4 m
on ward 1/4 in the N face whence:
a pine 20 ins in diam bro 77902:
61 lbs dit: mark 1/4 511 B.T.
a pine 8 ins in diam bro 514008's.
319 lbs dit: mark 1/4 512 B.T.
- 80.09 The en of sec 1, 2, 11 and 12 -
of and, mountainous -
Soil, rocky 4th rate -
Timber, scattering pine and
juniper -
Mountainous land covered with
scattering timber 80.09 chains.

N 00001' W on a standard line set

Subdivision of Tract Top 13 N R 8 E:

Chains

- secs 1 and 2.
- 40.00 Set traps $\frac{1}{4}$ sec cor.
- 78.63 Intersect the N. edge of the Top ⁴⁴~~57~~ lbs
W of the cor of secs, 35, 36, 1 and 2
Thence I run ¹⁸ $500^{\circ}25'W$ on a true
line bet secs 1 and 2 over onto
land through dense timber.
- 0.73 Cross ravine course W.
- 6.00 Summit of mesa
- 24.38 Cross mark 25 lbs wide course E + W.
- 30.00 Top of ridge bet 2 and W.
- 35.63 Set a sulphur stone 18 x 10 x 10 ins
13 ins in the ground for $\frac{1}{4}$ sec cor
set $\frac{1}{4}$ on W face. Thence =
a pine 24 ins in diam bet $558^{\circ}30'E$
83 lbs dist: mark $\frac{1}{4}$ S. 13. T.
- a pine 30 ins in diam bet $205^{\circ}15'W$
65 lbs dist: mark $\frac{1}{4}$ S. 13. T.
- 46.63 Cross dry wash 10 lbs wide course S. W.
- 57.50 Bed of stream 75 lbs wide course S. W.

Grand S. B. Meridian Virginia
chains

60.88

5 links of chain -

78.63

links 0, 2, 4 and 12 -

Grand, mountainous -

Soil, rocky & the note -

Timber, dense pine and oak -

Mountainous country covered with
a dense growth of timber 78.63 chs

Nov 13th 1902Nov 13th 1902 at 9 a.m. cont.

I set off 34°40' on the lat arc and
17°39' on the decl arc and de-

termine a true meridian with
the solar at the end of secs 22, 23

26 and 27 on the S. side of the
fractional Twp - Thence I run

N 00° 01' W on a true line bet secs
22 and 23 over rolling country

through dense pine and oak tim-
ber -

Subdivision of Twp 15 N R 3 E S 8 E:

Chains

- 40.00 Set a molpais stone $20 \times 10 \times 6$ ins 15 ins
in the ground for $\frac{1}{4}$ sec cor mark $\frac{1}{4}$
on the W face - Where:
a pine 14 ins in diam bro $N 76^{\circ} 10' W$:
22 lbs dist: mark $\frac{1}{4}$ 522 B.T.
a pine 18 ins in diam bro $N 82^{\circ} E$: 17
lbs dist: mark $\frac{1}{4}$ 523 B.T.
- 44.90 Pine tree 24 ins in diam
- 49.10 cross dry wash 10 lbs wide course $N. W.$
- 54.95 cross road bro $N. W.$ and $S. E.$
- 60.46 Pine tree 36 ins in diam
- 63.17 Pine tree 24 ins in diam
- 65.59 Pine tree 18 ins in diam
- 77.76 cross dry wash 100 lbs wide course $W.$
- 80.00 Set a molpais stone $22 \times 10 \times 8$ ins
15 ins in the ground for the cor of
sec 14, 18, 22 and 23. mark with 3
notches on the 5 and 2 notches on the 6
edges. Where:
a pine 30 ins in diam bro $N 35^{\circ} E$:

H and S.R. Meridian Azimuth
chains

164 lbs dist: mhd T 15° NR 82 E S 14 BT

a pine 20 ins in diam bro 546° E: 160

lbs dist: mhd T 15° NR 82 E S 20 BT

a pine 30 ins in diam bro 566° W: 144

lbs dist: mhd T 15° NR 82 E S 22 BT

a pine 30 ins in diam bro 700° 30 W:

28 lbs dist: mhd T 15° NR 82 E S 15 BT

Land, rolling -

Soil, rocky, 2nd, 3rd and 4th rate.

Timber, pine and oak.

Rolling country covered with

very dense pine and oak timber

80.00 chains

East on a random line bet sec

14 and 23.

40.00

set temp 1/4 sec cor.

80.00

Intersect the N and S line at the
end of sec 13, 14, 23 and 24. Thence I

run West on a true line bet

Sub-division of feet Top 150 B, 8 E.
Chains

- ✓
 sees 14 and 23 our mountainous
 country through heavy timber and
 oak brush
- 20.00 Brink of cañon and descend
- 29.00 Cross cañon course N.W. 30th wide
- 40.00^{1/2} Set a malpais stone 18 x 10 x 6 ins 13 ins
 in the ground for $\frac{1}{4}$ ac cor mark $\frac{1}{4}$
 on the N face: Whence:
 A pine 10 ins in diam to 75° 0' W: 18 lks
 dist: mark $\frac{1}{4}$ S 14 B.T. a
 A pine 8 ins in diam to 87° 40' 30" E: 51
 lks dist: mark $\frac{1}{4}$ S 23 B.T.
- 52.00 Summit of hill on S brink of cañon.
- 65.00 Cross dry wash 100 lks wide course S.W.
- 73.00 Top of ridge to 7 and 8.
- 80.01 The end of sees 14, 15, 22 and 23.
 Grand, mountainous.
 Soil, very 4th rate.
 Timber Pine and oak.
 Mountainous, country covered with

Band S.B. Meridian Trig. no
chains

heavy timber and oak forest 80.11
chains -

730.01. White sec 14 and 15 over rolling
mountainous land through scatt-
ering pine timber.

1.00 ascend slope -

41.00 Set a molgais stone 24x14x10 ins 18
ins in the ground for $\frac{1}{4}$ sec in marked
 $\frac{1}{4}$ on the W face. Whence:

a juniper 30 ins in diam brs S 84° W.

210 lbs dist: marked $\frac{1}{4}$ S 15° E.

a juniper 24 ins in diam brs S 105° E:

307 lbs dist: marked $\frac{1}{4}$ S 14° E.

57.00 Summit and descend -

81.00 set a molgais stone 24x10x16 ins 18
ins in the ground for the angles
10, 11, 14 and 15 - Whence:

a pine 15 ins in diam brs N 13° E: 45 lbs

dist: marked 10 N 13° E S 11° E.

Subdivision of Twp 15 N R 8 E:

Chains

a pine 14 ins in diam hrs $S 36^{\circ} 55' E$: 217

the dist: mhd T 15 N R 8 E S 14 B.T.

a pine 28 ins in diam hrs $S 57^{\circ} 30' W$:

92 the dist: mhd T 15 N R 8 E S 15 B.T.

a pine 24 ins in diam hrs $N 25^{\circ} W$: 175 the

dist: mhd T 15 N R 8 E S 10 B.T.

Land, mountainous.

Soil, rocky & thin.

Timber, scattering pine.

Rolling mountainous country covered
with scattering timber 8000 chains.Cut on a random line bet secs 11
and 14.

40.00

set temp 1/4 sec.

80.09

Entered the N end of line 9 the N
of the corners 11, 12, 13 and 14. Thence
I run $N 59^{\circ} 55' W$ on a true line bet
secs 11 and 14 over rolling mesa land
through scattering timber.

Grand A.B. Meridian Survey
Chains

- 7.60 cross dry wash 20 lks wide course S.
- 23.00 Top of ridge bro N and S.
- 34.50 cross draw 100 lks wide bro S.
- 40.0 $\frac{1}{2}$ set a molybdenum stone 70x8x6 ins 15 ins in
the ground for $\frac{1}{4}$ sec cor. mark $\frac{1}{4}$ on
the N face. Whence:
a pine 20 ins in diam bro N 79001
61 lks dist: mark $\frac{1}{4}$ S 1135.
a pine 8 ins in diam bro S 18002
319 lks dist: mark $\frac{1}{4}$ S 114-B.T.
- 80.09 The cor. of sec 10, 4, 14 and 18
found, rolling -
Soil, rocky 4th rate -
Timber, scattering Pine and juniper
Rolling country covered with scattering
timber 80.09 chains -
Dist. 13,150 -

Nov 14 1902 at 8 a.m. L.M. & I
set off 34.42 m the lat. arc and

Subdivision of fract Top 15 NB 8 E.
Chains

- 18°02'30" in the decl arc and de-
termine a true meridian with
the solar at the angles 10, 11, 14
and 16. Thence I run N 00°01' W on a
true line bet sees 10 and 11 over
rolling mountainous land through
scattering pine and juniper timber
- 1.00 Descend slope -
- 7.50 cross dry wash 20 lbs wide course N W.
- 30.00 summit of mesa and descend.
- 36.94 Pine tree 30 ins in diam -
- 40.00 Set a molpaiis stone 20 x 10 x 8 ins 15
ins in the ground for $\frac{1}{4}$ sec cor
and $\frac{1}{4}$ in the W face - At thence:
a pine 36 ins in diam to N 78°15' E.
114 lbs dist: and $\frac{1}{4}$ S 113°.
- a juniper 30 ins in diam to N 78° 40' W
- 126 lbs dist: and $\frac{1}{4}$ S 113°.
- 53.50 cross wash 10 lbs wide course W.
- 55.10 Pine tree 30 ins in diam -

Grand S. R. Meridian Trigo
chains

61.00

Summit of mesa and descend-

80.00

Set a sulphur stone 24 x 14 x 6 ins
18 ins in the ground for the end of
aces 2, 3, 10 and 11 wkd with 5 notches
on the 5 and 2 notches on the E edge

Whence:

A pine 28 ins in diam brs $766^{\circ}34'W$: 63

42 chs dist: wkd T15 N R 8 @ 3.3 B.T.

An oak 10 ins in diam brs $74^{\circ}16'S$:

32 chs dist: wkd T15 N R 8 @ 5.2 B.T.

An oak 10 ins in diam brs $362^{\circ}E$: 50

45 chs dist: wkd T15 N R 8 @ 5.1 B.T.

An oak 10 ins in diam brs $534^{\circ}20'W$:

43 chs dist: wkd T15 N R 8 @ 5.10 B.T.

Grand, mountainous -
Soil, rocky & th. etc.

Trunks, pine and oak

Mountainous land 80.00 chs

Heavy timber 40.00 chains -

Subdivision of fract. Twp 13 N R. 8 E.
Chains

- 589°58'2 on a random line set
sec 2 and 11.
- 40.00 set temp $\frac{1}{4}$ sec cen-
- 80.13 intersect the 2 and 5 line 20 lks 3.
of the engs 1, 2, 11 and 12. Thence
I run 589°58' W on a true line
set sec 2 and 11 up gentle S slope
- 14.00 summit of mesa
- 27.00 cross draw course 7.
- 40.06 $\frac{1}{2}$ set a vulpian stone 18 x 8 x 6 ins
13 ins in the ground for $\frac{1}{4}$ sec cen-
and $\frac{1}{4}$ on N face. Thence:
A pine 10 ins in diam to N 32° E: 115
lks dist: wtd $\frac{1}{4}$ 52 B.T.
- A pine 8 ins in diam to S 3° 15' E:
122 lks dist: wtd $\frac{1}{4}$ 511 B.T.
- 45.00 summit of mesa
- 73.00 cross draw to 7 and 5.
- 80.13 eng sec 2, 3, 10 and 11.
sand, mountainous-

Grand S.B. Meridian Nympha
Chains

Soil, rocky 4th note -
Timber dense oak and pine -
Mountainous land covered
with dense timber 80.13 chains.

N 50° 01' W true ~~and~~ sandstone line bet
secs 2 and 3.

4000

Set temp 1/4 sec cor -

3893

Intersect the N body of the T p
⁴⁰
105 lbs W of the eng sec 2, 3, 3⁴ - and
^{50° 16' W}
95.5 there I saw ~~500° 45' W~~ ma

True line bet secs 2 and 3 over
mountainous country through
very dense pine timber and sandstone

6.00

Top of ridge bet E and W.

3893

Set a molpans stone 24 x 12 x 8 ins 18
ins in the ground for 1/4 sec cor
rod 1/4 in the W face of there

a pine 28 ins in diameter 5780 15' E

84. Chodict. rod 1/4 52 B.F.

Subdivision of tract T₁₅ N R₃₈ E.

Chains

a juniper 26 ins in diam brs

342°30' W. 59 lbs dist: road $\frac{1}{4}$ 53 B.T.

97.90

Bed of canon 100 lbs wide course W.

98.93

Sprink of Wet. Brown canon -

98.93

Cn of sec 2, 3, 10 and 11.

Grand mountainous -

Soil rocky 4th etc.

Timber, dense pine and oak brush

Mountainous country covered
with heavy pine timber and oak-

brush 98.93 chains -

Nov 14th 1902

Nov 15th 1902 at 8 AM. I met
 a set of 34040' in the lat arc and
 18°18' S in the decl arc and de-
 termine a true meridian with
 the solar at the cn of sec 21 and
 22 in the S. dry of the fractional
 T₁₅ as heretofore described. Thence

Y and S. B. Meridian Azimuth
Chains

I run N 00 02' W bet sec 21 and 22
down volcanic slope through
scattered timber.

19.50 cross dry wash 10 lbs wide course NW

40.00 Set a volcanic stone 18.4 x 14 x 8 ins 13
ins in the ground for $\frac{1}{4}$ sec on
W side $\frac{1}{4}$ on the W face and raised
a mound of stone 2 ft tall $1\frac{1}{2}$ ft
high W of the en. Pit. impracticable.

52.20 cross road hrs NW and S.E.

80.10 Set a volcanic stone 18.18 x 6 ins 12
ins in the ground for the angles
15, 16, 21 and 22 made with 3 notches
on the S and 3 notches with E edge
and I raise a mound of stone
2 ft tall $1\frac{1}{2}$ ft high W of the en
Pit. impracticable.

Land, mountainous.

Soil, rocky 4th rate.

Timber, pine and juniper.

Subdivision of Twp 15 N R 8 E

Chains

Mountainous land covered with scattering timber - 8000 chains -

East on a random line set sees 15 and 22

40.00 set temp 1/4 sec cor -

79.50 Intersect the N and S line 10 chs S of the corners 14, 15, 22 and 23. There I run $589^{\circ}56'W$ on a true line set sees 15 and 22 - run mountainous country through very heavy pine and juniper timber

7.40 cross wagon road has N E and S W.

14.50 cross dry wash 100 chs wide course N W.

39.55 set a molpis stone 20 1/2 x 8 ins 15 ins in the ground for 1/4 sec cor mark 1/4 on the face. on corner:
a pine 10 ins in diam No 525 0 E: 173

the dist = mark 1/4 522 1/2 S.

a pine 4 1/2 ins in diam No 758 0 W: 62

Grand L.R. Meridian Virginia
Chains

the dist: $\frac{1}{4}$ 315-13.5.

47.50 Top of ridge No 2 and descend

52.00 cross draw course N.W.

57.00 ascend slope

29.50 on of sees 15, 16, 21 and 22.

land, mountainous -

Soil rocky 4th rate

Timber, pine and juniper

Mountainous country, heavily

timbered 75.50 chains -

700°02' W bet sees 15 and 16 through
very heavy pine timber

25.50 South brink of cove and descend

29.00 Bed of cove 75 the wide course N.W.

32.50 N. brink of cove and then

along the rim of the cove to
the $\frac{1}{4}$ sec on

40.00 Wood malpais in place 36 x 20 x 18

is above ground with cove

Subdivision of tract Tp 152 R 8 E.
Chain

For exact pt of the $\frac{1}{4}$ sec cor and
ward $\frac{1}{4}$ on the W face - Whence:

a pine 30 ins in diam brs 548° 15' E:

85 lks dist: ward $\frac{1}{4}$ S 15° E

a pine 34 ins in diam brs 788° 15' W. 108

lks dist: ward $\frac{1}{4}$ S 16° E

52.50 Top of ridge brs E and W.

64.00 Cross dry wash 20 lks wide course S.W.

64.50 ascend slope.

80.00 Set a molpais stone 20 x 12 x 8 ins 10 ins
in the ground for the corners 8, 10, 10
and 16 ward with 4 notches on the S
and 3 notches on the E edges. Whence:

a juniper 14 ins in diam brs 786° 15' E:

264 lks dist: ward T 16° N 88° E S 10° E

a juniper 30 ins in diam brs 542° 30' E:

317 lks dist: ward T 15° N 88° E S 15° E

There being no other trees in limits
I raise a mound of stone 2 ft base
 $\frac{1}{2}$ ft high W of the cor. P. 15.

1885
Grand S.B. Meridian Arizona
Chains

28

unpracticable
of and, mountainous -
Soil, rocky & th. rote -
Timber, pine and juniper -
Mountainous country heavily
timbered 80.00 chains -

784036 in a random line bet
secs 10 and 15 -

40.00 set temp $\frac{1}{4}$ sec cor -

29.89 Intersect the Grand S line 23 Chs 21
of the cor sec 10, 11, 14 and 15 -

Thence S run 784054 W in a
true line bet secs 10 and 15 -
descending W slope -

39.94 $\frac{1}{2}$ set a malpais stone 24 x 14 x 18 ins
18 ins in the ground for $\frac{1}{4}$ sec
cor and $\frac{1}{4}$ on the N face - at thence:
a pine 48 ins Indian br 738030 E: 89
Obs dist: W rd 775713 S 25 10 BT.

Subdivision of tract Top 150 Pgs 2.

Chains

a juniper 28 ins in diam to 361°45'N

94 lbs diet. wood 1/4 515-15.1

44.71 cross wagon road to 27W and 5E.

58.39 cross wash 30 lbs wide course 8W.

61.00 cross wash 10 lbs wide course 5.

79.89 The cor of secs 9, 10, 13 and 16

land, mountainous -

Soil, rocky 4 strata -

Timber, pine, oak and juniper -

Mountainous country heavily timbered

79.89 chains -

Nov 15th 1902

Nov 16th 1902 at 8 a.m. l.m.t. I
 set off 34°42' on the lat arc and 18°33 1/2'
 on the decl arc and determine a
 true meridian with the sun
 at the cor of secs 5, 10, 13 and 16. Then
 I run 20002 W on a true line bet
 secs 9 and 10 up gradual S slope

Hand S. B. Meridian Primer
Chains

- 23.32 cross wayn road thro NW and SE.
- 40.00 Set a vulcanic stone 20x10x8 ins 16 ins in the ground for $\frac{1}{4}$ sec on each $\frac{1}{4}$ on the W face - thence:
 a pine 26 ins in diam thro S 45° E: 128
 ths dist: road $\frac{1}{4}$ 510 B.T.
- a pine 12 ins in diam thro S 69° W: 233
 ths dist: road $\frac{1}{4}$ 59 B.T.
- 45.00 Summit of Mesa.
- 61.50 Run west 10 ths wide course S.W. and around S slope
- 80.00 Set a vulcanic stone 24x12x10 ins 18 ins in the ground for the angles 3, 4, 9 and 10 mhd with 5 notches on the S and 3 notches on the E edges -
 thence:
 54 ths dist:
 a pine 18 ins in diam thro N 50° 16' E: 7
 mhd T 157 N 82 E 3 B.T.
- a pine 24 ins in diam thro S 82° W: 161
 ths dist: road T 157 N 82 E 9 B.T.

Subdividing tract ^{BOOK 185} Twp 15 N R 38 E.

Chains

a pine 16 ins in diam No 756245 W. 199

the dist: $\text{ward } T 15 \text{ N R } 38 \text{ E } 54 \text{ B.T.}$

There being no other bearing trees

I raise a mound of stone 2 ft base

$1\frac{1}{2}$ ft high W of cor. Pits impracticable.

land, mountainous -

Soil, rocky & the rock -

Timber, pine -

Mountainous land heavily timbered

8000 chains -

558054' E on a standard line bet sees

3 and 10 -

40.00

set temp $\frac{1}{4}$ ac cor.

77.88

intersect the 2nd S line 14 the S

eng sees 2, 3, 10 and 11. There I

run it on a true line bet sees

3 and 10 over mountainous land

through heavy pine and oak timber

10.00

Descent slope -

Grand S. R. Meridian Azimuth
Chains

- 33.20 cross dry wash 20 lks wide course ^N N.W.
- 39.94 set a mofais stone 18 1/2 x 6 ins diam
in the ground for 1/4 sec enclosed 1/4
on the mofais = whence:
a pine 24 ins in diam hrs 71° 0' 30" W.
100 lks dist: mhd 1/4 53 B. 7.
a pine 10 ins in diam hrs 57° 0' 10" E.
24 lks dist: mhd 1/4 510 B. 7.
- 42.45 Pine tree 12 ins in diam -
- 43.00 Summit ridge hrs NW and S.E.
- 55.50 cross dry wash 30 lks wide course N.W.
- 71.00 Summit of slope
- 79.58 on grass 3, 4, 5 and 10.
Grand mountains -
Soil, rocky with roots -
Timber, pine and juniper -
Mountainous land heavily
timbered 79.58 chains -

10000' N on a random line bet

Subdivision of Fuel Top 15 N.B. 8 E.

Chains

secs 3 and 4 -

40.00 Set Tings $\frac{1}{4}$ sec en-

78.60 Intersect the N. dry of the Top ³⁵ 120
 lbs W of the en of sec 3, 4, 33 and 34
 & hence I run ¹³ 500⁰⁰ W on a true
 line bet sec 3 and 4

38.60 Set a malpais stone 20 x 10 x 6 ins 15-
 ins in the ground for $\frac{1}{4}$ sec en ~~W~~
 $\frac{1}{4}$ on the W side. Whence:
 a pine 20 ins in diam brs $71^{\circ}38' E: 150$
 lbs dist: ~~W~~ $\frac{1}{4}$ 53 B.T.
 a pine 18 ins in diam brs $58^{\circ} W: 68$
 lbs dist: ~~W~~ $\frac{1}{4}$ 54 B.T.

66.94 cross dry ~~en~~ 70 ft deep 60 lbs wide course
 W.

78.60 en of sec 3, 4, 9 and 10.
 found mountains -
 soil, rocky & th rate.
 Timber pine and oak
 Mountains land heavily timbered

BOOK 185
 G and S. R. Mendenham Prisms
 Chains

7860 chains -

Nov 16th 1902

Nov 17th 1902 at 8 a.m. l.m.t.
 I set off $34^{\circ}40'$ on the lat arc
 and $18^{\circ}48\frac{1}{2}'$ on the decl. arc and
 determine a true meridian
 with the solar at the end
 runs 20, 21, 28 and 29 on the S
 side of the fractional top. Then
 I run $90^{\circ}02'W$ bet sees 20 and
 21 over rolling country through
 scattering timber -
 ascend gradual S slope -

100

2900

4000

Summit of mesa.

Set a molpai stone $18\frac{1}{2} \times 4\frac{1}{2} \times 10$ ins 12
 ins in the ground for $\frac{1}{4}$ sec on
 meridian $\frac{1}{4}$ on the N face. Where:
 a juniper 16 ins in diam. No. 7395E
 220 lbs dist. meridian $\frac{1}{4}$ S 218T.

Subdivision of tract Twp 15 N Rg 8 E:
Chains

There being no other bearing trees, I
raise a mound of stone 2 ft base
1 1/2 ft high W of the cen. Pile impracticable
ascend slope

8000

set a molquie stone 18x10x8 ins 12
ins in the ground for the cen. of sec.
16, 17, 20, and 21 and with 3 notches on
the S and 4 notches in the E edge.

At house:

a juniper 36 ins in diam brs N 64° E:
188 lbs dist: wood T 15 N 138 E S 16.5 T.

a pine 28 ins in diam brs S 81° 30' E: 116
lbs dist: wood T 15 N 138 E S 21.5 T.

a juniper 12 ins in diam brs S 24° W:
195 lbs dist: wood T 15 N 138 E S 20.5 T.

a pine 20 ins in diam brs N 44° 15' W:
214 lbs dist: wood T 16 N 138 E S 17.5 T.

Land, rolling -

Soil, rocky & thin -

Timber pine and juniper

Hand S. B. ⁸⁵ Meridian Azimuth
Chains

Rolling mountainous land
covered with scattering timber 8000 lks

East on a sandstone line bet sec
16, and 21-

40.10 Set ~~two~~ $\frac{1}{4}$ sec NW-

55.55 Intersect the N and S line 5 lks
W of the NW sec 15, 16, 21 and 22.

Thence I run N89°58' W on a true
line bet sec 16 and 21 ascending
gradual E slope-

35.55 $\frac{1}{2}$ Set a mag's iron stone 20 x 12 x 6 ins 15
ins in the ground for $\frac{1}{4}$ sec NW
 $\frac{1}{4}$ on the N face - thence:

a piniper 18 ins in diam bet N85°E
42 lks dist: mark $\frac{1}{4}$ S 16 D.T.

a piniper 20 ins in diam bet S80°40'E
204 lks dist: mark $\frac{1}{4}$ S 21 D.T.

42.00 Summit of mesa and descend-

63.24 Cross ravine 60 lks wide course NW.

Subdivision of tract 150000 8 E.

Chains

79.99

The cross of sees 16, 17, 20 and 21.

Land, rolling -

Soil, rocky & th. rot -

Timber, pine and juniper -

Rolling mountainous land covered with scattering timber 79.99 chains

N 00° 02' W bet sec 16 and 17 descend N slope through heavy timber -

9.60

cross ravine 40 lks wide course N.W.

18.30

Top ridge bet E and W.

25.00

cross draw bet W.

36.25

5 trunks of conifer and descend -

39.83

Set a wolfsair stone 26 x 16 x 6 ins 20 ins in the ground for the witness end of the 1/4 section and 1/4 W. E. with the W. face. Whence:

a pine 30 ins in diam bet S 79° E.

80 lks dist. wh. W. C. 1/4 S 16 B T.

a pine 24 ins in diam bet S 60° 18' W.

Grand S.R. Meridian Azimoth
Chains

- 64 lbs dist: $\text{msd } W. 2. \frac{1}{4} S 17 N.T$
- 40.75- Bed of canon 40 lbs wide course W-
- 43.50 Top of ridge bet E and W-
- 45.20 Bed of canon course S E. 40 lbs wide
- 52.50 N brink of canon and ascend
- 80.00 Set a soapstone 20 x 10 x 7 ins 15-
ins in the ground for the cor of
secs 8, 9, 16 and 17 $\text{msd } W. 4$
notches on the S and 4 notches on
the E edges - whence:
a juniper 18 ins in diam bet $N 36^{\circ} E$:
129 lbs dist: $\text{msd } T 15 N R 8 E 59 N.T$
a juniper 20 ins in diam bet $S 28^{\circ} E$:
75 lbs dist: $\text{msd } T 15 N R 8 E 51 N.T$
a juniper 12 ins in diam bet $S 29^{\circ} W$:
80 lbs dist: $\text{msd } T 15 N R 8 E 517 N.T$
a juniper 6 ins in diam bet $N 35^{\circ} W$:
80 lbs dist: $\text{msd } T 15 N R 8 E 58 N.T$

Grand, mountainous -

Soil, rocky 4th rate -

Subdivision of tract Twp 15 N R. 8 E.
Chains

Timber, cedar, pine and juniper.
Mountainous land heavily
timbered 8000 chains -

559°58' E on a rounded line bet secs
9 and 16.

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

80.13 Intersect the N and S line of the N
of the cor of secs 9, 10, 15 and 16. Then
S run N 85°55' W on a true line
bet secs 9 and 16 ascending W slope
through heavy pine and cedar
timber -

25.00 Top of ridge bet N and S.

40.06 $\frac{1}{2}$ Set a malpais stone 20 x 14 x 8 ins
15 ins in the ground for $\frac{1}{4}$ sec cor
wtd $\frac{1}{4}$ on the N face - W thence:
a juniper 14 ins in diam bet N 35°00'
121 lbs dist. wtd $\frac{1}{4}$ 59 B.T.
a juniper 22 ins in diam bet 566° W.

Grand S.P. Meridian Arizona
Chains

206 lks dist: mss $\frac{1}{4}$ 5/16 B.T.

55.53

cross dry wash, 15 lks wide course S.W.

93.00

Top of ridge to Grand S and descend

80.13

en of sec 8, 9, 16 and 17.

Grand, mountainous -

Soil, rocky & thorny -

Timber, pine and cedar.

Mountainous land heavily

timbered 80.13 chains -

Nov 17th 1902

Nov 18th 1902 at 9:30 a.m. L.M.T.

I set off $34^{\circ}42'$ on the lat arc and
 $15^{\circ}4\frac{1}{2}'$ on the decl. arc and su-

-termine a true meridian with

the solar at the en of sec 8, 9

16 and 17. Thence I run $200^{\circ}02'W$ bet
sec 8 and 9 up gradual S slope

through heavy timber -

40.00

Set a wolpao stone 18 x 12 x 16 in P

Subdivision of tract Top 15th R 38 E.
chains

ins in the ground for $\frac{1}{4}$ sec on
rod $\frac{1}{4}$ in the W face thence:

a juniper 36 ins in diam bro N 33° E:

204 lbs dist: rod $\frac{1}{4}$ 59 BT.

a juniper 40 ins in diam bro N 72° W:

236 lbs dist: rod $\frac{1}{4}$ 58 BT.

52.00

Top of ridge bro S and W and descend.

80.00

set a mercurial stone 18.12 x 6 ins
2 ins in the ground for the end of

secs 4, 5, 8 and 9 rod with 5 notches

with 5 and 4 notches on the
edges. thence:

a juniper 8 ins in diam bro N 31° E:

112 lbs dist: rod T 15° N 88 E 54 BT.

a juniper 24 ins in diam bro S 70° E:

52 lbs dist: rod T 16° N 88 E 59 BT.

a pine 8 ins in diam bro S 91° W: 111 lbs

dist: rod T 15° N 88 E 58 BT.

an oak 8 ins in diam bro N 45° W:

102 lbs dist: rod T 16° N 88 E 58 BT.

Grand S.R. Meridian Azyma
Chains

Grand rolling -
Soil, rocky & the soil -
Timber, pine, juniper and oak -
Rolling mountainous land
heavily timbered 8000 chains

58°05'5" E on a round run line bet
secs 4 and 9.

40.00

Set Temp $\frac{1}{4}$ sec low -

80.15-

intersect the Grand S line 9th sec 5
of the corral sec 3, 4, 9 and 10. Thence
S run 78°05'7" W on a true line
bet secs 4 and 9 descending W slope
through scattering pine and pine
timber -

20.00

cross down to N.W.

23.00

cross low ridge to N. and descend

31.00

cross dry canon 20th sec wide course N.E.

40.07 1/2

Set a malpais stone 18 x 12 x 6 ins 22
ins in the ground for $\frac{1}{4}$ sec

Subdivision of fract Top 15th Sec 8 E.
Chains

on west $\frac{1}{4}$ cor 70th face - W. Hence:

a pine 12 ins in diam brs S 2° W. 97

the dist: west $\frac{1}{4}$ 59 B.T.

on pole 8 ins in diam brs N 43° E:

8 the dist: west $\frac{1}{4}$ 54 B.T.

47.15 - cross molpais point 20 ft high
brs S.

48.96 - cross molpais pt 15 ft high brs S.

54.00 cross same corner as the above corner N.W.
cross road N.W. SEE

90.50
80.13 - The cor of secs 4, 5, 8 and 9.

of and, rough and broken -
Soil, rocky & the site -

Timber pine, juniper and oak.

Rough broken country covered
with heavy timber 80-100 chains.

N 00° 02' W on a random line bet
secs 4 and 5 -

40.00 set temp $\frac{1}{4}$ sec cor

78.68 intersect the N. side of the Top

Band S.B. Meridian Azima

Chains

⁴⁵
~~40~~ lbs W of the eng res 4, 5, 32 and
 33 - Three down 500¹⁷ ft W on
 a true line bet sees 4 and 5 -
 descending the S slope through
 heavy pine and juniper timber -

38.68 Set a molypais stone 24 X 15 X 4 ins 18
 ins in the ground 1/4 in cen-
 tered 1/4 in the W face - Where:
 a juniper 34 ins in diam brs S 70° 15' E:
 350 lbs dist: mhd 1/4 54 BT
 a juniper 34 ins in diam brs N 36° 30' W:
 250 lbs dist: mhd 1/4 55 BT

43.30 Cross road 10 lbs wide course S.W.

53.00 Top of ridge brs N E and S W.

57.00 N brink of cañon and descend.

65.68 Cross road brs S E and N.W.

71.00 Bed of cañon 200 lbs wide course W.

78.68 The eng res 4, 5, 8 and 9.

Land, mountainous

Soil, rocky & the note -

Subdivision of tract Top 15th Sec 8 E.
Chains

Timber, pine and juniper

Mountainous land heavily timbered

78.68 chains -

Nov 15th 1902

Nov 15th 1902 at 8 a.m. local. I
set off 34°40' on the lat arc and
15°17½' on the lon arc and de-
termine a true meridian with
the solar at the end of runs 15, 20
25 and 30 on the S side of the
fractional Top. True sun 200°53' W
bet runs 15 and 20 descending N slope
through heavy pine and cedar timber
crossed run 25 the wide course
W.

31.75-

34.50

Top of ridge No 5 and W.

40.00

set a sulphur stone 20 x 12 x 10 in
15 ins in the ground for ¼ sec
on west ¼ on the W face of the same.

Grand S.B. Meridian Arizona
 Chains

a juniper 20 ins in diameter N17°E.

79 lbs dist: marked 1/4 520 B.T.

a juniper 18 ins in diameter N80°W.

128 lbs dist: marked 1/4 517 B.T.

44.00 5 links of chain.

57.50 100 yds of ^{275-lb wide} Wet Beaver ^{course} S.W.

58.50 20 links of chain and ascend slope.

80.00 Set a malpais stone 24x12x12 ins 18

ins in the ground for the corners

17, 18, 19 and 20, marked with 3 notches

on the 5 and 6 notches on the E

edges - W. Stone

a juniper 18 ins in diameter N37°E.

165 lbs dist: marked T15 N89°E 517 B.T.

a juniper 10 ins in diameter S32°E: 173

lbs dist: marked T10 N88°E 520 B.T.

a juniper 18 ins in diameter S0°W:

217 lbs dist: marked T18 N88°E 519 B.T.

a juniper 12 ins in diameter N41°W

114 lbs dist: marked T10 N88°E 518 B.T.

Subdivision of tract to 15 N 19 E
Chains

Land, mountainous -

Soil, rocky & stony -

Mountainous land mostly timbered
about 8000 chains -

Set a random line bet sec 17
and 20:

40.00 set temp $\frac{1}{4}$ sec in

80.00 intersect the Rand's line & the S
of the end sec 16, 17, 20 and 21. Thence
I run S 84° 57' W a true line bet
sec 17 and 20 up steep W slope

19.00 Top of mesa and descend

40.01 set a molasse stone 24 x 12 x 4 ins 17
ins in the ground for $\frac{1}{4}$ sec in W side
 $\frac{1}{4}$ in the N face. Thence:

a pine 34 ins in diam br 54° 15' E:

135 lbs dist: W side $\frac{1}{4}$ S 20° 15' E

a juniper 16 ins in diam br N 47° 30' W:

60 lbs dist: W side $\frac{1}{4}$ S 17° 55' E

G and S. B. Meridian Azimuth

Chains	
42.80	E bank of Mt Brown canon -
47.26	Bed of canon 100 lbs wide course S.
51.00	W bank of canon -
80.02	end of sec 17, 18, 19 and 20 - of and, mountainous - Soil, very 4th rate - Timber, cedar and pine Mountainous land heavily timbered - 80.02 chains -
40.00	West on a random line bet sec 18 and 19. Set lump 1/4 sec NW
77.98	Intersect the W bdy of the T p 20 Ebd of the NW of sec 18, 19, 13 and 24 Thence come N 89° 05' E on a true line bet sec 18 and 19 along the bed of Mt Brown canon over very rough and broken country through dense brush Desand bluffs -
0.10	

Subdivision of Tract Top 15 N R 8 E.
chains

- 2648 Bed of Mt Bearr Canyon 200 lks wide
course N.W. and ascend Huggs -
- 37.98 Set a molycanis stone 20 x 10 x 8 ins 15
ins in the ground $\frac{1}{4}$ sec in
width $\frac{1}{4}$ in the N face. - When
a cedar 18 ins in diam bro N 10° 15' W.
24 lks dist. width $\frac{1}{4}$ 518 BT.
There being no other bearing trees
I erect a mound of stone 2 ft base $1\frac{1}{2}$ ft
high N of the en. Pits impracticable -
- 39.63 E bank of Mt Brown Canyon
- 48.00 Top of ridge bro N and S -
- 65.00 cross down course N -
- 77.98 end of sec 17, 18, 19 and 20 -
Land, mountainous -
Soil, rocky 4th rate.
Timber, pine, juniper and oak brush -
Mountainous land 77.98 chains
Very rough and broken country with
very dense oak brush 40.00 chains -

concluded, Book 188.