

RESURVEY OF THE EAST
AND SURVEY OF THE SOUTH BD'Y.
BOUNDARIES OF
T. 16 N., R. 7 E.

CONT. NO 101.
GRAND LANTIMER

1408

BOOK 1408

4-671

FIELD NOTES
GENERAL LAND OFFICE.

No 1408

Copied by G. V. March 13/03.
Complete Book copied. G. Des sheet. O.M.
" " Comp " " " " " " 11/23/03
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Composed by E.T. + R.

Exp'd + trans. C.L.O. 4/10/03.

No. 1408 BOOK 1408

Field Notes
of the
Survey of the
East boundary of T₁p T₁₆N R₃W
East - and also the
South boundary of T₁p 16
N R₃W -

of the
Gila and Salt River
Base and meridian
of the
Territory of Arizona
as surveyed by
James B Girard
and

Park W. Kistner
U.S. Deputy Surveyor
Under his contract dated June 30, 1902
Survey commenced Oct. 16, 1902
Survey completed Oct. 19, 1902

1A

BOOK 1408

Names and Duties of
assistants -

W. W. Platt chairman

R. W. Ketch chairman

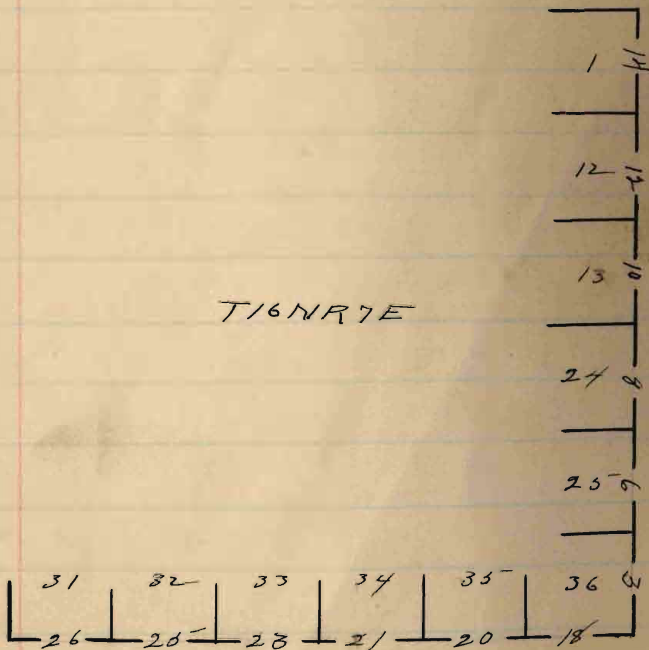
R. G. Brode almon

H. S. Bethwell flagman

BOOK 1408

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TIGRUE



4
1B
Chains

Survey of E side of Twp 16 N R 7 E

Oct 16th 1902 at 8 a.m. l.m.
 t. I set off 34°44' on the lat
 arc and 8°35' on the sid arc
 and determine a true meridian
 with the solar at the cor of Tps
 15 and 16 N R 7 and 8 E; the cor
 I found after much laborious
 climbing and after a very diligent
 search upon the summit of
 Apache Maid Mountain. This
 cor was an old decayed post in
 a very dilapidated condition so I
 proceed to reestablish the same
 by setting a pine post, 3 ft long & one
 square 24 ins in the ground for cor
 of Tps 15 and 16 N R 7 and 8 E whd.
 T 16 N R 8 E 531 m the N.E. face
 T 15 N R 8 E 56 on the S.E. face
 T 15 N R 7 E 51 m the S.W. face and
 T 16 N R 7 E 536 m the N.W. face.

Gard J. R. Mus, Ariz -

chains

and with 6 notches on the N, S, E
and wedges - and I raise a mound
of stone 4 ft base 3 ft high around
foot of post - whence:

a juniper 4 ins in diam has 571°W: 127

the dist: read T757R7E51B.T.

a juniper 4 ins in diameter S 13°E: 115

the dist: read T757R8E56B.T.

a cedar 6 ins in diameter N 65°E: 233 the

dist: read T767R8E531B.T.

Preliminary to commencing the sub-
division of this top I run north
on a blank line on the 2^d day
of sec 30 from the top or just
established; at 40 chs I find the
old remains of the 1/4 sec cor in
a very delapidated condition 5 chs
west 38 chs S of the 40 chain pt -
and at 80.00 chain the cor nos
25, 30, 31 and 36 in a delapidated

3
 Survey of E bdy of Top 16 NR 35 7 E.
 Chains

condition 33 chs 5 of the 80 chain pt.
 Therefore I continue my line
 N and find no part of the E bdy
 in alignment and most of the
 ears partially or entirely obliterated
 at 5 miles 86.86 chains I intersect
 the fourth standard parallel at
 the closing Top cor of Top 16 NR 35
 7 and 8 E as heretofore described.

Hence I re-survey the E bdy of this
 Top 16 NR 35 7 E establishing the cor
 at the original pts - as follows:

Oct 17th 1902 at 9 a.m. I went
 out off 34° 44' on the lat arc and
 9° 01.5' on the decl arc and determine a
 true meridian with the solar at
 the cor of Tps 35 and 16 NR 35 7 and 8 E
 Thence I run north with pt sec 31 and
 36 with the E bdy of Top 16 NR 35 7 E. ascend-
 ing the slope of Apache Maid Mt

Grand S. R. Merwin -
 Harris

through very dense oak brush -

- 18.00 Summit of W slope of Apache Maid
- 26.50 Bottom of draw and around -
- 29.00 Top of ridge bet E and W and descend
 N slope of Apache Maid -
 True Course $N 0^{\circ} 4' W$.
- 35.62 Fell on the E of old cor. post which
 was an old decayed post in a
 very dilapidated condition so I
 proceed to reestablish this cor. at
 the original point by setting
 a molysio stone $20 \times 10 \times 7$ ins 15 ins
 in the ground for the $\frac{1}{4}$ sec cor
 marked $\frac{1}{4}$ on the W face. Whence:
 a line 24 ins in diam bet $S 89^{\circ} W$.
 67 chs dist. marked $\frac{1}{4}$ 531 B.T.
- // a line 20 ins in diam bet $N 19^{\circ} E$.
 127 chs dist. marked $\frac{1}{4}$ 531 B.T.
- From this cor just established
 I run North descending -
- 2518 Foot of slope -

Re-

BOOK 1408

Survey of E. side of Top 16 N. R. 7 E.
Chain

#0.05 - Fell on pt where cor was and
there are only faint remains
of the old cor. So I reestablished
same at the original pt by
setting a soapstone 22 x 12 x 6
ins 15 ins in the ground for the
cor of runs 25, 30, 31 and 36. W. side
with 1 notch on the S and 5 notches
on the N. edge. - W. side:

a juniper 48 ins in diam br. N 82° E.

75 the dist: w. side T 16 N R 8 E S 30 B. T

a pine 22 ins in diam br. S 4° E: 108

the dist: w. side T 16 N R 8 E S 31 B. T

a juniper 24 ins in diam br. S 42° W.

202 the dist: w. side T 16 N R 7 E S 36 B. T

a pine 18 ins in diam br. N 43° W.

379 the dist: w. side T 16 N R 7 E S 25 B. T

land, mountainous -

Soil, rocky & the water -

Timber, pine and juniper -

Land S.P. Mer Ariz -
Chains

Mountainous land scarcely
timbered or covered with dense
oak brush 79.67 chains.

North from the cor just estab-
-lished on the E side of the top
bet sees 25 and 30 over into
country through dense pine timber.

21.25 - cross molpais pt -

40.12 - fell 3 lbs E of point remains of
true course $\pi 0^{\circ} 3' W$
the old $\frac{1}{4}$ sec cor pt and re-
-establish same by setting a
molpais stone 22 x 15-16 ins 15 in
in the ground for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on the W face - W corner:
a pine 36 ins in diam bears $S 62^{\circ} W$:
112 lbs dist. marked $\frac{1}{4}$ $S 25^{\circ} E$:
a pine 18 ins in diam bears $S 81^{\circ} E$:
159 lbs dist. marked $\frac{1}{4}$ $S 30^{\circ} E$:
North from this cor -

7
Re
Chavis

Survey of E. side of Top 16 N. R. 2 E.

34.23

cross square 20 lho wide course 78.

3997

fall in en pt which was
an old post almost obliterated
so I reestablish same at original pt
by setting a soapstone 24 x 12 x 6
ins 18 ins in the ground for the
cog sec 24, 20, 19 and 30 and
with 2 notches on the S and 4
notches on the N edges - At base:

a pine 18 ins in diam brs 77° 12'

294 lho dist: wind T 16 N 58 E 319 BT

a pine 20 ins in diam brs 87° 25' E.

213 lho dist: wind T 16 20 N 5 L 330 BT

a pine 36 ins in diam brs 330° W 24

lho dist: wind T 16 N 10 E 325 BT

a pine 28 ins in diam brs 75° 20' 35° W

97 lho dist: wind T 16 N 72 E 24 BT

Land mountainous -

Soil, rocky 4th rate -

Timber dense cedar and pine -

G and S. R. Mrs Ozig -
chains

Mountainous land heavily timbered
- bred 80.09 chains -

North on the E. side of the Top
but sees 19 and 24 surr. rough broken
country through dense timber -

1.50 Cross wash 100 lbs wide course S E.

9.00 Top of ridge bro E and W.

12.60 Cross wash 80 lbs wide course S W.

24.50 Top of ridge bro E and W.

33.60 Cross wash course W.

40.03 Full 0-lb E of old mound with
rotten stake for the old $\frac{1}{4}$ sec
true course N 0.4 W
cont: so I proceed to reestablish
at the original pt
the same by setting a molpai
stone 28 x 16 x 14 ins 21 ins in the ground
for the $\frac{1}{4}$ sec cont mound $\frac{1}{4}$ with the
W face - W line:

a pine 47 ins in diam bro 421' 00":

78-lb dit: mound $\frac{1}{4}$ 324' 13":

9
Re
Chains

Survey of E. side of Top 16 RB, 7 E.

An oak 6 ins in diam hrs $N 78^{\circ} 45' E$.

198 lho dist. marked T 16 RB 7 E 1
from this cor. just established

6.97

Top of ridge hrs S and W.

37.07

crosswalk 100 lho wide course S W

40.17

Well 3 lho E of the point remains
True course $N 0^{\circ} 3' W$.

of the old sec cor which I find
in a very delapidated condition

so I reestablish the same at the
original pt by setting a molpai
stem 20 x 10 x 10 ins 15 ins in the
ground for the courses 18, 19, 13
and 24 marked with 3 notches
on the S and 3 notches on the N
edges - Whence:

aspine 16 ins in diam hrs $N 15^{\circ} E$.

178 lho dist. marked T 16 RB 7 E 5 14 BT

aspine 12 ins in diam hrs $S 51^{\circ} 25' E$.

40 lho dist. marked T 16 RB 7 E 5 15 BT

aspine 10 ins in diam hrs $S 16^{\circ} W$. 158

lho dist. marked T 16 RB 7 E S 24 BT

Band S. B. Mer Ariz -
Chains

a pine 16 in in diam to 224°N: 135-

the dist: ~~measured~~ T 16 NR 2 E S 13 B.T.

Land, rough and mountainous -

Soil, rocky & thorny -

Timber pine and juniper -

Through mountainous land with
dense pine and juniper timber

80.20 chains -

Oct 16th 1902 -

Oct 18th 1902 at 7 a.m. I went

out off 34°47' on the lat arc and

90°24' ~~on~~ the decl arc and

determine a true meridian with

the solar at the end of arcs 13, 18

19 and 24 on the E side of the

|| Top. Then I run North on

the E side of the top bet arcs 13

and 18 over rolling mesa -

6.00

Top of ridge to E and W -

Survey of E. side of Top 16 N. B. 75.
Chains

- 17.85- Cross road bet E and W. ^{To Stone}
- 43.00 No traces of this cor could be found so I set a molpans stone 18.5 x 16 ins 12 ins in the ground for $\frac{1}{4}$ sec cor. mtd $\frac{1}{4}$ on the W face and raised a mound of stone 2 ft base $1\frac{1}{2}$ ft high W of the cor. Pits impracticable. These mtd
- 14.99 Top of ridge bet 2 and W.
- 33.75 Cross mark 75 - the wide course S.W.
- 40.32 The remains of the old cor which I find in a very dilapidated condition so I reestablish same by setting a molpans stone 24 x 12 x 10 ins 18 ins in the ground for the cor of nos 7, 18, 12 and 13 mtd with 4 notches on the 5 and 2 notches on the wedges - Whence:
a juniper 24 ins in diam bet
N 46° E. 360 lbs dist. mtd T 1671 R 855 713 T

Hand A. B. Merrij -
Chains

a juniper 18 ins in diam bro 574°:

176 lbs dist: marked T16 NR 8 ES 18 BT.

a juniper 24 ins in diam bro

561° W: 149 lbs dist: marked T16 NR 7 ES 13 BT.

a juniper 8 ins in diam bro 752° W: 183

lbs dist: marked T16 NR 7 ES 12 BT.

Land, rough and mountainous -
Soil, rocky & the note -

Timber scattering pine and juniper

Rough and mountainous

land with scattering timber

80.32 chains -

North on the E. side of the top
hit mes sand 12 bars rough
into country through scattering
timber -

2400

Top of ridge bro E and W.

2500

Top of ridge bro S and W and Island

4012

Well 9 lbs E of the point remain
true course 77.5° 08' W

13

Ch. ans

Survey of E. side of Top 16 N. B. 7 E.

of the old cor. I reestablish this cor at original pt by setting a molpaie stone 20x8x6 ins 15 ins in the ground for $\frac{1}{4}$ sec cor west $\frac{1}{4}$ m. the w. face - Whence:

a pine 12 ins in diam brs $75^{\circ}59'$

185 - the dist. west $\frac{1}{4}$ 512 B.T.

a pine 16 ins in diam brs $76^{\circ}02'$

26 the dist.: west $\frac{1}{4}$ 571 B.T.

Thence north from this cor -

13.58 Summit of small round mountain

33.00 Foot of slope -

48.00 The faint remains of the old sec cor which I find in a very delapidated condition - so I reestablish the same by setting a molpaie stone 24x14x8 ins 18 ins in the ground for cor of sec 1, 6, 7 and 12 west with 5 notches in the S and 1 notch on

Grand A.R. Mer Ariz -
Chains

The Ridges - Whule:

a pine 30 ins in diam brs N 38° 05'

29 lbs dist: whd T 16 N R 8 E 56 B.T.

a pine 20 ins in diam brs S 59° 05'

78 lbs dist: whd T 16 N R 8 E 57 B.T.

a pine 16 ins in diam brs S 35° 00' W.

173 lbs dist: whd T 16 N R 9 E 51 B.T.

a pine 16 ins in diam brs N 35° 00' W. 92

lbs dist: whd T 16 N R 7 E 51 B.T.

Grand Mountains -

Soil, rocky 4th rate -

Timber, pine -

Mountainous land 80/12 chains -

Heavy dense pine timber last

40 chains -

North on the E side of the top bet
mes 1 and 6 ascending through heavy
pine timber

5 rim of conifer and decid -

137

Survey of E bdy of Tp 16 N Rg 7 E:
Chains

34.25 - End of course 200 lbs wide course SW

36.36 - intersect the fourth standard
parallel 2.56 chains ^{W of the line}
on on S bdy of sec $\frac{33}{32}$ of Tp 17 N
R 8 E at the pt of the old closing
Tp on for Tps 16 N Rgs 7 and 8 E
which I reestablished as per before
described -

Land, rough and mountainous
Soil, rocky & the rest -

Timber, pine.

Mountainous land with dense
pine timber 36.36 chains -

Oct 18th 1902 -

Oct 18th 1902; I set off 525^{ft} on
the decl arc; and at 12^h 00'
46^s I observe the sun on
the meridian and obtain
the reading on the lat arc

$34^{\circ}45'$ which is the lat
nearly at the N.E. cor of Tp
16 N By 7E the pt of observation
at this pt & observe that
the magnetic bearing of
the true meridian is
 $2714^{\circ}30'W$ at 2 P.M. which
reduced by the table on
page 100 of the manual
gives the mean mag.
decl $14^{\circ}33.4'E$

Edge of Top 16 N Bg 7 E:
 (Chambers)

Oct 19th 1902 at 7 a.m. Lm
 to Smt of 34°44' on the lat
 arc and 90°45'3" on the decl
 arc and determine a true
 meridian with the solar at
 the cor of Top 15 and 16 N Bgs
 7 and 8 E on the top of
 Apache Maid mountain.
 Thence I run W on the
 edge of Top 16 N Bg 7 E descending
 steep W slope of the Mt through
 very dense oak brush. I run
 W on a true line for I can
 see that this line will fall
 nearly 1/2 mile S of the SW cor of Top
 16 N Bg 7 E and would not be in
 closing limits.

500

begin abrupt descent of mt.

3928-

Foot of slope and cross wash 20 lbs
 wide course N and S.

Chains

Survey of S. Idley of Top 16 N R 7 E:

- 40.00 Set a molgais stone 20 1/4 x 5 ins
15 ins in the ground from 1/4 ac
on west 1/4 on the N face. Whence:
a pine 14 ins in diam br S 15° E:
81 lbs dist: west 1/4 S 1 B.T.
- 60.00 Top of molgais ridge
- 80.00 Set a molgais stone 22 x 15 x 6 ins
15 ins in the ground from the cor
of sec 1, 2, 35 and 36 west with 1
notch on the E and 5 notches on
the wedges. Whence:
a pine 8 ins in diam br N 16° E:
176 lbs dist: west T 16 N R 7 E S 36 B.T.
a juniper 15 ins in diam br S 72° E:
171 lbs dist: west T 15 N R 7 E S 1 B.T.
a pine 24 ins in diam br S 48° W:
278 lbs dist: west T 15 N R 7 E S 2 B.T.
a juniper 15 ins in diam br N 23° W:
154 lbs dist: west T 16 N R 7 E S 3 B.T.
- Ground rough and mountainous.

G and S.R. Mer Ariz -
 Chain

Sail, rocky 4th rate -
 Timber pine, juniper and oak
 Rough, mountainous land
 with scattering timber and
 very dense scrub 8000 chain

✓
 West on a true line bet secs 2
 and 30 ascending slope -

4000

Set a molpau stone 20 x 18 x 18 ins 15
 ins in the ground for $\frac{1}{4}$ sec
 cor mtd $\frac{1}{4}$ on the N face. W. base
 a pine 18 ins in diameter North

X 72 chodit: mtd $\frac{1}{4}$ S 35 E. T.

a pine 38 ins in diameter S 53° E:

45 chodit: mtd $\frac{1}{4}$ S 2 E. T.

6500

Top of hill and descend -

8000

Set a molpau stone 24 x 16 x 4
 ins 18 ins in the ground for the
 cor of secs 2, 3, 34 and 35 mtd
 with 2 notches on the S and

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Survey of S. Side of Top 16 N. R. 7 E.

Chains

4 notches on the Wedges - Whence:
a juniper 24 ins in diam brs
N10E: 292 lbs dit: whd T 67 R 7 E S 35 BT

a juniper 14 ins in diam brs S 78° E:
215 lbs dit: whd T 15 N R 7 E S 2 BT

a juniper 30 ins in diam brs S 11° W:
222 lbs dit: whd T 15 N R 7 E S 3 BT

a juniper 30 ins in diam brs N 82° W:
243 lbs dit: whd T 16 N R 7 E S 34 BT

of and mountains -

Soil, rocky 4th rate -

Timber scattering cedar juniper
and subshrub -

Mountains load 89,000 lbs.

West on a true line bet secs 3 and
34 on the S. Side of Top over rough
broken country -

40.00

Set a malpais stone 24 X 18 X 18 ins 18
ins in the ground for 1/2 sec
on middle of the Ridge Whence

G and S.P. Mr. W. J. -
Chains

aguniper 24 ins in diameter 7200.

100 lbs diet: mhd 1/4 534 B.T.

aguniper 6 ins in diam 5760.

24 lbs diet: mhd 1/4 53 B.T.

50.00

Crus wash 20 lbs wide course N.W.

80.00

Set a molycuis stone 18 x 20 x 16 ins

12 ins in the ground for the

en of nos 34, 35 and 36 mhd

with 3 notches in the E and 3

notches in the W. Wedges - Where:

aguniper 16 ins in diam 5760.

245 lbs diet: mhd 1/4 75 NR 72 53 B.T.

No other hairy trees available so

I use a mound of stone 2 ft base

1 1/2 ft high W of the en.

Ground mountainous -

Soil, rocky 4 ft soil -

Timber, pine and juniper.

Rolling mountainous land

with dense sub brush 8000 lbs

Survey of S. Side of Twp 16 N. R. 7 E.
Chains

Oct 19th 1902

Oct 15th 1902 at 1 P.M. L.M.T
Set off 34°44' on the lat arc
and 90°55'30" on the decl arc and
determine a true meridian with
the solar at the end of sec 34
33 and 34 on the S. side of Twp 16
N. R. 7 E. - Then I run West
in a true line bet sec 4
and 33 declining slope to the W.

16.30

cross mark 20 lbs wide course SW

18.20

cross mark 30 lbs wide course S.W.

27.50

Top of ridge has N.E. and S.W.

40.00

Set a sulphur stone 2 1/2 x 1 1/4 x 1 1/2 ins 1 1/2
ins in the ground for 1/2 sec cor-
ner 1/4 on the N. face; dig pits
18 x 18 x 12 ins E and W of the stone 3 ft
dist. and raised a mound of earth
3 1/2 ft base 1 1/2 ft high N of the cor-

Gard J.P. Mt. Wj -
Chains

- 42.50 : cross same with 20 lbs with course 77 W
- 45.40 : Begin ascent of high mountain -
- 57.50 : Top of first summit and ascend -
- 80.00 : Set a molypais stone 26 x 12 x 5 ins
18 ins in the ground for the
end of sec 4, 5, 32 and 33 whd
with 4 notches on the E and 2
notches on the W edges. W. Spec:
a cedar 22 ins in diam brs 76° E:
340 lbs diet: whd T 76 71 R 72 S 33 B T
- a juniper 24 ins in diam brs 57° E:
126 lbs diet: whd T 75 71 R 72 S 4 B T.
- a juniper 24 ins in diam brs 516° W:
70 lbs diet: whd T 15 71 R 72 S 5 B T
- a juniper 15 ins in diam brs 710° W:
130 lbs diet: whd T 16 71 R 72 S 3 2 B T.
- Land mountainous -
Soil, rocky 4th wt -
Timber cedar and juniper -
Mountainous land with

Survey of S. Edge of Twp 16 N. R. 7 E.
Chain

dense scrubbrush 40.00 chains -

Went on a true line bet secs 5 and
32 ascending to summit of Round
Mountain -

17.60

Summit of mountain and located

40.00

Foot of slope and set a molpauis
stone 24 x 8 x 6 ins 15 ins in the
ground for $\frac{1}{4}$ sec cut with $\frac{1}{4}$
on the N face - Whence:

a juniper 20 ins in diam to
N 42° E: 132 lbs diet. with $\frac{1}{4}$ S 32 B.T.

a cedar 4 ins in diam to
the diet. with $\frac{1}{4}$ S 5 B.T.

45.50

Summit of molpauis ridge to N and S

80.00

set a molpauis stone 24 x 14 x 6 ins
18 ins in the ground for the cor
of secs 31, 32, 5 and 6 with 1
notch on W and 5 notches on the E
edges - Whence:

G and S. B. Merz Log

Chains

a cedar 12 ins in diameter N 59° E:

62 lbs dist: marked T 16 NR 72 S 3 20 T

a cedar 18 ins in diameter S 79° E:

82 lbs dist: marked T 15 NR 72 S 3 15 T

a cedar 10 ins in diameter S 36° W:

75 lbs dist: marked T 15 NR 72 S 6 15 T

a cedar 4 ins in diameter N 41° W

155 lbs dist: marked T 16 NR 72 S 3 15 T

Land rough and broken -

soil rocky 4th note -

Timber cedar and oak brush -

Rough broken country

covered with dense cedar

timber or dense oak brush 8000 lbs

What on a true line on the

S side of T 16 N R 72 bet sec

3/1 and 6 through dense timber

40.50

Set a molysins stone 20 x 20 x 10 ins

15 ins in the ground for 1/4

Survey of S E day of Tp 16 N Rg 7 E.
Chains

we embedded $\frac{1}{4}$ on the N face of the
a cedar 18 ins in diameter S 78° W: 61

the dist: wood $\frac{1}{4}$ 56 B.T.

a cedar 6 ins in diameter N 6° E: 20

the dist: wood $\frac{1}{4}$ 53 B.T.

82.55 - Enter at the S E day of Tp 15 N Rg

6 E, 47.97 chains S of the cor of

Tps 15 and 16 Range 6 E and
and 824 N. of $\frac{1}{4}$ Cor, R. 6 E, T 15 N. 6 E.
Set a volcanic stone 3.5 x 1.5 x 6 ins

22 ins in the ground for the

closing corner on the W day for

the Tps 15 and 16 N Rg 7 E wood

with 6 notches on the N, S and E

edges and CC on the E face

of the stone:

a cedar 30 ins in diameter N 42° E:

138 the dist: wood T 16 N R 7 E 53 B.T.

a cedar 12 ins in diameter S 61° E:

50 the dist: wood T 16 N R 7 E 56 B.T.

Land, mountainous -

Gard S.R. Mer Ariz -
Thames

Soil, rocky 4th route

Timber, dense cedar -

Mountainous land with

dense cedar timber 8295-cho -

Oct 19~~th~~ 1902

Latitudes departures and closing errors

Bdys of Tp 16 N R 7 E - Grand A.P. M

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Line description	Distance	N	E	S	W
Σbdry E					
SS9018'E	283.67		283.67		
East	197.59		197.59		
Σbdry N					
N00002'W	39.62	39.62	0.05		
North	40.05	40.05	0.00		
N00001'W	40.12	40.12	0.03		
North	39.57	39.57	0.00		
N00002'W	40.03	40.03	0.05		
N00001'W	40.17	40.17	0.03		
North	40.00	40.00	0.00		
North	40.32	40.32	0.00		
N00004'W	40.12	40.12	0.05		
North	40.00	40.00	0.00		
North	36.36	36.36	0.00		
Σbdry W	482.95				482.95

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W Boundaries	442.11			442.11	
Totals		436.76	481.51	442.11	482.95
Difference				436.76	481.51
Error in lat				005.35	1.44
Error in Dep				5.35	

checked by Taylor
4/18/03

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LIST OF NAMES.

33

A list of the names of the individuals employed by James
B. Girard and Park W. Robinson
 United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of
 the survey of the Western boundaries of
Township No 16 North Range
Tand 6 East also the Western
boundary of ^{Fractional} Township No 15
North Range 5 East

BOOK 1403

the Gila and Salt River Base and Meridian, in the Territory of Ari-
 , showing the respective capacities in which they acted.

- T. R. Balle, Chainman.
- Ed Fritsche, Chainman.
- _____, Chainman.
- _____, Chainman.
- G. G. Gilmore, Axman.
- _____, Axman.
- L. M. Hamm, Flagman.

FINAL OATH OF ASSISTANTS.

34

We hereby certify that we assisted Quinn and Palmer
United States Deputy Surveyors in surveying all those parts or portions
of the exterior boundaries of
Township No. 16 North Range
5 and 6 East and also the
exterior boundary of ^{fractional} Township
No. 15 North Range 5 East

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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.

- U. L. Fritsch....., Chainman.
- T. B. Bath....., Chainman.
-, Chainman.
-, Chainman.
- H. G. Gilmore....., Axman.
-, Axman.
- J. W. Hansen....., Flagman.

Subscribed and sworn to before me this 10th day
of December, 1902

C. W. Serudon
Notary Public.

[SEAL.]

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

3

Mr James Blair & Park W Latham, United States
Deputy Surveyor^s do solemnly swear that in pursuance of a contract
received from *Hugh H Price*, United States
Surveyor-General for Arizona, bearing date of the *30th*

day of *June*, 190², ^{*we*} ~~I~~ have well, faithfully, and
truly, in ^{*our*} ~~my~~ own proper person^s and in strict conformity with the
instructions furnished by the United States Surveyor-General for Ari-
zona, the Manual of Surveying Instructions, and the laws of the United

States, surveyed all those parts or portions of the *exterior*
boundaries of Township No 16 North
Range 5 & 6 East and also the
exterior boundaries of fractional
Township No 15 North Range 5
East

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of the Gila and Salt River Base and Meridian, in the Territory of Ari-
zona, as are represented in the foregoing field notes as having been sur-
veyed by ^{*us*} ~~me~~ and under ^{*our*} ~~my~~ direction; and ^{*we*} ~~I~~ do further solemnly swea
that all the corners of said survey have been established and perpetu

ed in strict accordance with the Manual of Surveying Instructions, the
pecial instructions of the United States Surveyor-General for Arizona,
nd in the specific manner described in the field notes, and that the fore-
going are the TRUE field notes of such survey; and should any fraud be
detected ^{we} ~~^~~ will suffer the penalty of perjury, under the provisions of
an act of Congress approved August 8, 1846.

James B. Girard
Park W. Satimer

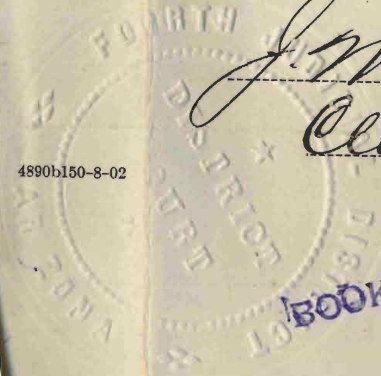
U. S. Deputy Surveyor

Subscribed and sworn to before me this 10th
of December, 1907

J. M. Watts

Clerk Dist Ct

4890b150-8-02



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Office of U. S. Surveyor General.

Phoenix, Arizona. *Apr. 14, 1903*

The foregoing field notes of the ^{re} survey of the East and survey of the South Bdys. of T. 16 N., R. 7 E.

Gila and Salt River Base and Meridian, in Arizona, executed by Girard and

Latimer, U. S. Deputy Surveyor un-

der contract No. 101 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.

Hugh W. Price

U. S. Surveyor General for
District of Arizona.