

1ST. GUIDE MERIDIAN

THROUGH T-24 & 25 N. but R^o 44^o E
RESURVEYED

BOOK 1356

1356

4-671

FIELD NOTES
GENERAL LAND OFFICE.

No. 1056

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First Guide Merid.
through

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Number

BOOK 1356

1A

4-674.

Township 25 North R. 4E & S.

BOOK 1356

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98615m9-01

PRELIMINARY OATHS OF ASSISTANTS.

We, *O. E. Brashears*, *R. E. Dyer*, *Hermon Schulz*
and *John Agnoll*

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us,

in the survey of the *First Guide Meridian*
East through Townships twenty four
and twenty five North, Ranges four
and five East.

O. E. Brashears, Chainman.

R. E. Dyer, Chainman.

Hermon Schulz, Chainman.

John Agnoll, Chainman.

Subscribed and sworn to before me this *3rd*

day of *July*, 190*3*.

Marion Gaudle

U. S. Deputy Surveyor.

3
 We, Arthur T Burns

and Milton Farnsworth

do solemnly swear that we will well and truly perform the
 duties of axmen, in the establishment of corners and other
 duties, according to instructions given us, and to the best of
 our skill and ability, in the survey of the First

Guide Meridian East through Town-
ships twenty four and twenty five
North Ranges Four and Five East

Arthur T Burns, Axman.

Milton Farnsworth, Axman.

Subscribed and sworn to before me this 3rd

day of July, 1903.

Marion Gaudle

U.S. Deputy Surveyor.

I, *Joseph H. Deeweis*

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, and to the best of my skill and ability, in the survey of the

*First Guide Meridian East through
Townships Twentyfour and
Twentyfive North Ranges Four
and Five East*

Joseph H. Deeweis, Flagman.

Subscribed and sworn to before me this *3rd*

day of *July*, 190*3*.

Marvin Gaudle

U. S. Deputy Surveyor

Survey commenced July 3 1903
and executed with a W & L. E. Busley
light mountain solar transit
For complete description and test of
instrument see book ~~7~~⁷¹¹ of this
series.

I began at the standard corner of
T 25 N. R. 48 E previously des-
cribed.

At 8 A.M. l. m. t. I set off $23^{\circ} 2'$
 $30''$ N. on the declination arc $35^{\circ} 28'$
N on the lat arc and with the solar
determine a true meridian.

Thence I run
North ~~to~~ on W bdy of sec. ³¹ ~~36~~
Over rolling land through brush and
chick brush

16.00

Drain course N.W.

23.00

Dry wash, course N.W.

~~47.00~~~~¼ cor bears W. 4 lks dist~~

29.30

Leave dry wash and ascend gradually
S. slope.

Difference between measurements
of 47.00 by two sets of chain men
is 2 lks. position of middle point

By first set 46.99 chs.

By second set 47.01 chs. the
mean of which is

47.00

¼ cor of sec. 31 and 36 bears W. 4 lks dist.
which makes the bearing of this line
N0°3'W

I find a malpais stone 14X12X7 in
marked as discovered by surveyor general
above ground. I set stone firmly
in ground and raise a mound
of stone 2 ft base 1½ ft high W. of cor.

From this cor. I continue line N0°3'W

.30

Enter thick cedar and fir on bears E & W.

9.00

Ridge bears N.E. and S.W. 75 ft high

Thence over nearly level land.

27.10 Drain, course West.

36.00 Leave timber, enter buck brush bears
E and W.

Difference between measurements
of 40.20 chs by two sets of chain
men is 8 lks position of middle point

By first set 40.24 chs

By second set 40.16 chs the

mean of which is

40.20 The cor. of secs 25, 30, 31 and 36
bears east 65 lks dist which
makes the bearing of this line
N 0° 56' E. I find a stone 12 x 10 x 4
ins above ground loosely set, sunk
and witnessed as described by
surveyor general. I set stone
firmly in ground.

Land 47.00 chs. rolling. 40.20
40.60 chs

mountainous.

Soil, stony; 3rd and 4th rate

Timber cedar and pinon.

Mountainous land or land covered
with timber and buck brush ^{27.20} ~~27.40~~

Thence I run

North bet. sec. ¹²² 25 & 30

Over rolling land through buck
and chice brush.

- 10.10 Enter dense cedar and pinon trees
E. and W.
- 13.40 Ravine course W.
- 14.80 Enter mountainous land gradually
ascend over large lava boulders.
- 26.40 Top of ridge 100 ft high, descend
N slope over lava boulders.
- 29.00 Ravine course S.W. foot of 100
ft. descent thence over nearby

level land through buck brush
 Difference between measurements
 of 39.75 chs by two sets of chain-
 men is 6 lks position of middle point

By first set 39.78 chs.

By second set 39.72 chs the
 mean of which is

39.75

^{6 lks}
 $\frac{1}{4}$ cor of secs 25 and 30 bears W
 7 lks. dist. which makes the
 bearing of this line $N0^{\circ}06'W$

I find a malpais stone $14 \times 12 \times 6$
 ins. inked as described by
 survey or general. Loosely set
 I set firmly in ground and
 raise a mound of stone 2
 ft base, $1\frac{1}{2}$ ft high W. of cor.

From this cor I continue line
 North

15.10

Enter thick cedar and Pinon

25.20

D run course S.W.

Difference between measurements
of 39.81 chs by two sets of chain men
is 8 lks. position of middle point

By first set 39.85 chs

By second set 39.77 chs the

mean of which

39.81

Sec. cor. of secs. 19, 24, 25 and 30

bears E 97 lks. dist. which makes
the bearing of this line N¹ 24 E!

I find a ^{misplaced} stone 12 X 8 X 6 ins above ground

mkd as described by surveyor
general, loosely set. I set firmly
in ground and raise a marker
of stone 2 ft base 1 1/2 ft high

W. of cor.

Land rough and mountainous

Soil, stony; 4th rate.

Timber cedar and pinon.

Mountainous land or land covered with timber and brush
brush 79.56 chs.

July 3, 1903 at this corner I set off
 $23^{\circ}01'30''$ N. on decl arc. and at 12^h
 03^m 46^{sec} 11. I m. observe the sun
 on the meridian the resulting
 latitude is $35^{\circ}29'45''$ ^N which is
 the latitude nearly.

Thence I run

North bet secs. 19 and 24

Over rolling land through brush
and chert brush

29.00

Enter thick cedars and pinon
bears E. and W.

Difference between measurements
of 39.72 chs. by two sets of chain-
men is 6 lks. portion of middle point
By first set 39.69 chs.

- By second set ^{39.75}~~37.75~~ chs the
mean of which is
39.72 $\frac{1}{4}$ sec. cor. bears E. 98 lks. dist.
which makes the bearing of this
line N. $1^{\circ} 24'$ E. I find a malpais
stone 10x8x6 loosely set, witnessed
and marked as described by
surveyor general. I set firmly
in ground.
- From this cor I continue line North.
10.80 Leave timber bears E. and W.
15.30 Ravine course W.
18.10 Enter thick cedar and pinon
22.15 D rain. course W.
- Difference between measurements
of 39.66 chs. by two sets of chain men
is 6 lks. position of middle point
By first set 39.69 chs.
By second set 39.63 chs. the

mean of which is

39.66

Corner of secs. 13, 18, 19, and 24 bears E
52 lks. dist. which makes the
bearing of this line $N. 0^{\circ} 45' E$

I find a malpais stone $16 \times 16 \times 12$ ins
above ground loosely set, witnessed
and marked as described by
surveyor general. I set stone
firmly in ground.

Land, rolling, and hilly.

Soil, stony; 4th rate.

Timber cedar and pinon.

Land covered with timber or dense
chico and buck brush 79.38 chs.

Thence I run

North bet. secs 13 and 18

Over rolling land through cedar,

pinon and chico and buck brush

- 11.00 Cuts scattering timber
- 13.80 Cuts dense cedar and pinon
- Difference between measurements
of 39.64 chs. by two sets of chain men
is 8 links position of middle point
By first set 39.60 chs.
By second set 39.68 chs. the
mean of which is
- 39.64 $\frac{7}{8}$ sec. cor. bears W. 30 lks dist. which
makes the bearing of this line N
^{26'}
0° 23' W. I find a malepais
stone 12x12x10 ins. above ground
firmly set witnessed and marked
as described by surveyor general.
- From this corner I continue line north
- 15.10 Descend steep N. slope.
- 34.60 Drain. course W. foot of 125 ft descent
Thence over nearly level land.
Difference between measurements

of 40.07 chs. by two sets of chain
men is $\frac{1}{2}$ links position of middle point

By first set 40.09 chs.

By second set 40.05 chs the
mean of which is

40.07

The cor of secs. 7, 12, 13 and 18 bears

E. 116 lks. dist. which makes the
bearing of this line $N. 1^{\circ} 37' E$ I

find a malpais stone $15 \times 12 \times 6$
ins. above ground loosely set.

witnessed and marked as des-
cribed by surveyor general. I set
stone firmly in ground.

Land rough and hilly.

Soil, stony; 4th. rate.

Timber, cedar and pinon

Land covered with cedar pinon
or buck and chico brush 79.71 chs.

July 3, 1903

July 4. 1903 at 8 A.M. L. m. t.

- ✓ I set off $22^{\circ}58'$ N on decl arc
 ~~$35^{\circ}29'48''$ N. on lat arc~~ and with
 the solar determine a true meridian.

Thence I run

North bet. secs. 7 and 12

Over rolling land through scattered
 young cedar, pinon and buck
 brush.

- 3.75 Begin descent steep N. slope
 11.75 Drain course N.E. foot of 100ft des.
 Enter dense cedar and pinon
 32.80 Drain course N.W.
 38.80 Road bears E. and W.

Difference between measurements
 of 39.26 chs. by two sets of chain men
 is 6 lks. position of middle point
 By first set 39.23 chs

By second set 39.29 chs the
mean of which

39.26 $\frac{7}{4}$ sec. cor. bears W. 65 lks dist. which
makes the bearing of this line $N 0^{\circ} 56' W$.

I find a malapais stone $8 \times 6 \times 4$ ins
above ground, loosely set, witnessed
and marked as described by
survey or general. I set stone
firmly in ground, and raise
a mound of stone 2 ft base, $1\frac{1}{2}$
ft. high W. of cor.

From this corner I continue line north
35.50 Leave timber bears E. and W. continue
through buck brush

Difference between measurements
of 39.89 chs by two sets of chain
men. is 4 lks. position of middle point.

By first sets 9.91 chs

By second set 39.87 chs the

mean of which is

39.89 The corner of secs. 1, 6, 7 and 12 bears
E. 9 lks. dist. which makes the
bearing of this line $N. 0^{\circ} 08' E$.

I find a malpais stone $11 \times 8 \times 6$ ins
above ground, loosely set, witnessed
and marked as described by sur-
veyor general. I set stone firmly in
ground and rebuild mound of stone
2 ft. base $1 \frac{1}{2}$ ft high W. of cor.

Land rolling.

Soil, stony; 4th rate.

Timber, cedar and pinon.

Land covered with dense cedar
pinon or buck brush ~~79.~~^{79.15} chs

Thence I run

North. between secs. 1 and 6

Over rolling land through scattering

cedars and pines and dense
buck brush.

20.10

Leve timber continue through buck
brush. bears E. and W.

Difference between measurements
of 39.85 chs by two sets of chain-
men is 4 lks. position of middle point

By first set 39.87 chs.

By second set 39.83 chs. the
mean of which is

39.85

4 sec. cor. bears W. 13 lks. dist which
makes the bearing of this line
N 80° 11' W. I find a malapais
stone: 8x7x6 above ground, loosely
set, untaxed and marked as
described by surveyor general
I set stone firmly in ground and
rebuild mound of stone 2 ft
base 1 1/2 ft high W. of cor.

From this cor I continue line North.

8.75 Enters scattering cedar and pine-
bears N.W. and S.E.

Difference between measure-
ments of 39.83 chs. by two sets
of chain men is 2 lks.

position of middle point

By first set 39.84 chs.

By second set 39.82 chs the
mean of which is

39.83 The corner of Tps 25 and 26 N. Rs.

39.83

4 and 5 E bears E. 9 lks. dist which

make the bearing of this line $N. 0^{\circ} 08' E.$

I find a cedar post 4 ins. square
30 ins above ground, in good

condition untrussed and unmasked

as described by surveyor general

Land rolling.

Soil, stony, 4th rate

Timber scattering cedar and
pinon.

Land covered with cedar, pinon
or dense buck brush 79.68

July 4 1903

BOOK 1356

20

4-674.

Township 24 NORTH R. 4E 2ST.

BOOK 1356

6	5	4	3	2	1	4/6
7	8	9	10	11	12	37 7
18	17	16	15	14	13	33 18
19	20	21	22	23	24	28 19
30	29	28	27	26	25	24 30
31	32	33	34	35	36	22 31

No. 1356

Survey commenced July 6 1903
and executed with A. W. and
L. O. G. using light mountain
solar transit for description
and test of instrument see
book ~~A~~^{FI} of this series

I begin at the corner of Tps
23 and 24 N. Rs. 4 and 5 E.

which is a malpais stone
16x12x10 ins. above ground in
good condition witnessed and
marked as described by
surveyor general.

July 6 at 8 A.M. I run to I set
off $22^{\circ} 47' N$ on the decl. arc ~~85~~⁸⁵
 $35^{\circ} 06' 23''$ ✓
 $22^{\circ} 48'' N$ on the lat arc. and
with the solar determine a
true meridian.

I hence I run

- North, bet. sec. 31 and 36
Over rolling land through
pine timber, and buck brush.
- 16.20 Road, bears N.W. and S.E.
- 20.00 Leave timber, bears E and W.
- 23.80 Road, bears N.W. and S.E.
- No difference in measurement by two
sets of chain men
- 48.32 Old $\frac{1}{4}$ sec. cor. bears W. 22 lks. dist
which makes the bearing of this line
N0°16'W.
+ N6°18'W. I find a malpais stone
7x8x5 ins above ground firmly set
entrenched and marked as described
by surveyor general. Thence I
run S0°18'E and at 8.32 chs
set a malpais stone 16x10x8 ins
12 ins. in the ground for $\frac{1}{4}$ sec cor.
common to sec 36 mld $\frac{1}{4}$ on W.,
face, dig pits 18x18x12 ins N and

S of. cor 3 ft. and raise a mound
of earth 3 1/2 ft base 1 1/2 ft high
W. of corner.

From new corner I continue ~~line~~

832
~~48.52~~

~~South~~ line N 0° 16' W
I set over old corner and continue north.

Enter scattering pine.

Difference between measure -

^{31.68}
ments of 8000 chains by two
sets of chain men is 2 lks.
position of middle point

By first set ^{31.69} 80.01 chs

By second set ^{31.67} 79.99 chs. the

mean of which is

31.68

~~80.00~~

40.57

~~88.89~~

Set stake for true sec. cor.

The old corner, of secs 25, 30, 31 and 36

beats E. 38 lks. dist. which makes
the bearing of this line N 43° 2' E.

I find a malpais stone

10 x 8 x 5 ins. above ground.

X
witnessed and marked as described by surveyor general.

✓
Thence I run $50^{\circ}32'W$ 8.89 chs to point 30 lbs. East of a stake already set and set a sand stone $20 \times 10 \times 6$ ins 15 ins. in the ground for cor of sec. 25 and 36 raked with 1 groove on S. and 5 grooves on N. face; raise a mound of stone 2 ft. base 12 ft high W. of cor. P. its impracticable.

Land rolling.

Soil, stony; 3rd and 4th rate.

Timber, pine

Land covered with timber or buck brush 80.00 chs.

Thence I run

0032 E

✓
North along E. boundary of sec. 25
Over rolling land through

pick brush.

8.89 I set over old cor and continue
line north.

2891

~~37.80~~

Enter pine timber bears N.W. and S.E.

Difference between measure-
ments of ~~40.00~~^{31.11} chs. by two sets
of chain men is 2 lks.

position of middle point

By first set ~~40.01~~^{31.12} chs

By second set ~~39.99~~^{31.10} chs the

mean of which is

31.14

~~40.00~~

40.01

~~48.90~~

Set stake for true $\frac{1}{4}$ sec. cor.

Old $\frac{1}{4}$ sec. cor bears W. 10 lks dish

which makes the bearing of this
line $N 10^{\circ} 9' W$. I find a malpais
stone $18 \times 12 \times 5$ ins firmly set
witnessed and marked as
described by surveyor general
Thence I run $S 0^{\circ} 09' E$ 8.90 chs

a point. 08 lks. West of
to stake already set. and set a
sand stone 18x10x6 ins. 12 ins. in
the ground for $\frac{1}{4}$ sec. cor. mkd $\frac{3}{4}$
on W. face; from which

A pine 24 ins. in diam bears $N57^{\circ}18'W$
37 lks. dist. mkd $\frac{1}{4}$ S 25 B T

A pine 16 ins. in diam bears $S 48^{\circ}$
 $95'W$ 45 lks. dist. mkd $\frac{1}{4}$ S 25 B T.

Since June $N. 0^{\circ} 9' W.$

I set over old $\frac{1}{4}$ sec. cor. and continue
into mountainous land.

line N. ascend steep S. slope of ridge

Ascend gradually S. slope.

Top of ridge 500 ft high bears E and W

Descend N.W. slope of ridge.

Ravine, course S.W. foot of 400 ft descent

Ascend steep S.E. slope of ridge

Difference between measure

ments of ^{31.10} 80.00 chs. by two sets of
chain ^{mkd} 20 lks. position of middle point

^{31.04}
By first set 79.96 chs.

8.90
~~48.90~~

4.20
~~53.10~~
17.10
~~74.50~~

24.60
~~73.50~~

31.14

By second set ~~80.09~~ chs the
mean of which is

31.10

~~80.00~~

Set a stake for true cor. of secs 24
and 25.

38.45

~~87.75~~

The old corner of secs 19, 24, 25 & 30

bears W. 21 lks. dist which makes
the bearing of this line $N 0^{\circ} 18' W$

I find a malpais stone 12 X 12 X 4
ins. above ground firmly set

witnessed and marked as des-
cribed by survey or general. I efface

markings on N.W. and S.W. bearing

trees and run $S 0^{\circ} 18' E$ from cor 7.35

chs. to a point ~~20~~¹⁷ lks E of stake al-
ready set and set a lime stone

18 X 10 X 6 ins. 12 ins in the ground
for cor of ~~at~~ secs 24 and 25 marked

with 2 grooves on S and 4 grooves
on N faces; from which

A pine 20 ins in diam bears $N. 15^{\circ} 35' W$
30 lks. dist. mkd T24NR4ES 24BT

A pine 10 ins in diam bears $S 55^{\circ} 20' W$.
90 lks. dist. mkd T24NR4E 2 25BT

Land rolling and mountainous

Soil, stony; 3rd and 4th rate.

Timber pine.

Mountainous or land covered with
timber
pine, and brush \$0.00 chs.

July 6, 1903 at this corner at 12^h 4^m
19^h ~~P.M.~~ l. m. t. I set off $22^{\circ} 46' N$
on the decl. arc and observe the sun
on the meridian. The resulting lat-
itude is $35^{\circ} 24' 30'' N$ which is the
proper latitude nearly

$N. 0^{\circ} 49' W$.

Thence I run
North, along E. bdy. of sec. 24

Ascend mountainous land through
pine timber.

7.35

I set over old corner and continued
line north.

8.95

~~16.30~~

Top of ridge bears E and W 520
ft high descend N. slope

20.15

~~27.50~~

Ravine course W foot of 500ft descent
ascend S. slope.

Difference between measurements
of 40.00 chs. by two sets of chain
run is 12 lks. position of middle point

32.65
By first set 40.00 chs

32.71
By second set 39.74 chs the
mean of which is

32.65

~~40.00~~

39.00

~~40.35~~

Set stake for true $\frac{1}{4}$ sec. cor.

Old $\frac{1}{4}$ sec. cor. bears E. 28 lks. dist

which makes the true bearing of
this line N ^{25'} ~~24'~~ E. I find a mala
pair stone 12x12x6 ins above ground
firmly set, witnessed and marked
as described by surveyor general

From this corner I run ^{25'} S. 0° ~~24'~~ W. 6.35'
 chs. to a point ²⁶ ~~27~~ lks E of stake
 already set and set a melopais
 stone 18 X 12 X 6 ins. 12 ins in the
 ground for $\frac{1}{4}$ sec. cor. mkt. $\frac{1}{4}$ on
 W. face; from which

A fine 8 ins. in diam N 86° 25' W
 100 lks. dist. mkt. $\frac{1}{4}$ S 24 B T

A fine 24 ins. in diam bears S 75°
 15' W 137 lks. dist. mkt. $\frac{1}{4}$ S 24 B T

Thence I run N 0° 75' E.

Ridge, bears E and W.

Runne, course W.

I set over old corner and continue
 line north.

Ridge N.E. and S.W. Thence over top
 of ridge.

Descend steep N. slope of ridge.

Difference between measurements
^{33.65}
 of ~~70.00~~ chs by two sets of chain men

41.00

~~41.00~~

4.60

~~44.00~~

6.35

~~40.35~~

.65

~~47.00~~

25.65

~~72.00~~

is 16 lks. position of middle point

By first set ^{33.57} 79.72 chs

By second set ^{33.73} ~~80.08~~ chs the

mean of which is

33 65

80.00

38 81

85.14

Set a stake for ten cor. of secs. 19 and 24

The old corner of secs. 13, 18, 19 and 24
bears E 22 lks. dist which makes
the bearing of this line N 019' E

I find a malpais stone 12x12x8
ins above ground, firmly set
withered and marked as des-
cribed by surveyor general. I
efface markings on N.W. and
S.W. bearing trees, and from this
corner I run ¹⁹ S 0° 19' W. 5.16 chs to
a point 2 lks E. of stake already
set and set a malpais stone
18x12x6 ins 12 ins in the
ground for cor of secs 13 and 24

inked with 3 grooves on S and N
faces; from which

A pine 10 ins. in diam bears $N 63^{\circ} 35' W$.

83 lbs. dist. inked T24NR4E813BT

A pine 9 ins in diam bears $S. 54^{\circ} W$.

82 lbs. dist. inked T24NR4E824BT

Land mountains.

Soil, stony; 4 ch rate

Timber, pine.

Land covered with timber on
land
mountainous 80 chs.

July 6 1903

July 7, 1903 at the cor of secs. 13 and 24

at 8 A.M. l.m.t. I set off $22^{\circ} 41'$
 $35^{\circ} 25' 30''$
 $30'' N$ on the decl. arc and $35^{\circ} 25' 25''$

N on the lat arc and with the solar
determine a true meridian

Thence I run

0° 19' E

Creek along E. bdy. of sec. 13

Over mount across land through
fine timber.

516 I set over old corner and continue
line north.

~~19.24~~

~~17.40~~

19.04

~~25.00~~

31.34

~~36.50~~

34.34

~~37.50~~

Dry creek course N.W.

Ravine, course W.

Ravine course N.W.

Ravine course S.W.

Difference between measure-
ments of 40.00 chs by two sets
of chain men is 10 lbs

position of middle point.

By first set ^{34.84} 40.05 chs

By second set ^{34.79} 39.95 chs the
mean of which is

~~40.00~~

39.99

~~45.15~~

~~5.15~~

37.79

34.84

I set a stake for true $\frac{1}{4}$ cor.

Old $\frac{1}{4}$ sec. cor. bears E. 52 lbs dist
which makes bearing of this line

X
 N 0° 44' E. I find a malpais stone
 12 x 10 x 8 ins about ground loosely
 marked as described by surveyor's genl.
 set. I set firmly in ground
 There being no bearing trees I
 mark one as follows.

A pine 10 ins. in diam. bears S 78° 20' E
 129 lks. dist mkd $\frac{1}{4}$ S 18 B T

From this cor I run S 0° 44' W 5.15
₄₅
 To a point 51 lks E. of ~~the~~ stake
 already set. and set a malpais
 stone 20 x 10 x 6 ins. 15 ins in the
 ground for $\frac{1}{4}$ sec. cor. mkd $\frac{1}{4}$ on
 W. face; from which

A pine 24 ins. in diam bears
 N 30° 45' W. 198 lks dist mkd $\frac{1}{4}$ S 13 B T

A pine 14 ins in diam bears S 25° 05' W
 60 lks. dist mkd $\frac{1}{4}$ S 13 B T

~~I then~~ N 0° 44' E.

I set over old $\frac{1}{4}$ sec. cor. and continue
 line north.

5.15
~~45-15~~

235

~~47.50~~

2135

~~66.50~~

28.60

~~73.75~~Ridge ~~#~~ bears N W and S E

Ravine course S W.

Ridge. 1700 ft high bears N.E. and S.W.

Difference between measurements

^{34.85}
of ~~7000~~ chs. by two sets of chain over
is 14 lbs. position of middle point

^{34.92}
By first set ~~80.07~~ chs

^{34.78}
By second set ~~2997~~ chs the
mean of which is

3485

~~80.00~~

3835

~~83.50~~

Set a stake for turn cor of secs 12 & 13

Old cor. of secs. 7, 12, 13 and 18 bears

W. 77 lbs. dist which makes the
^{1009' 38.36}
bearing of this line N ~~104~~ W Δ

find a malpais stone 12 x 12 x 6 ins
not marked in mound of stone

I set a malpais stone 18 x 10 x 6 ins
12 ins. in the ground, at exact point,
inked with 4 g grooves on S and 2
grooves on N faces;

from which

A pine, 20 ins. in diam. bears $N 61^{\circ} 30' E$
28 lbs. dist. mtd T24NR4E S 7 B T

A pine, 16 ins. in diam bears $S 3^{\circ} 05' E$
105 lbs. dist. mtd T24NR4E S 18 B T

These are the original bearing trees

I efface markings on N.W. and S.W.
bearing trees and run $S 100^{\circ} 35' E$ Chs.
69

point to lbs. W. of stake already
set and set a malpais stone
20 X 12 X 6 ins. 15 ins. in the ground
for cor. of secs. 12 and 13 mtd with
4 grooves on S and 2 grooves on N faces;
from which

A pine, 12 ins. in diam bears $N 8^{\circ} 50' W$
100 lbs. dist. mtd. T24NR4E S 12 B T

A pine, 12 ins. in diam bears $S 39^{\circ} 25' W$
60 lbs. dist. mtd T24NR4E S 13 B T

Land. on all monument corners

Soil, stony; 4th rate
 Timber pine. 80.00 chs
 Mountainous land 80.00 chs.

109' W.

North along E. bdy of sec. 12
 Over mountainous land through
 pine timber. To descend steep
 N. slope

3.50 I set over old corner and continued
 line North.

12.00
~~15.50~~

Foot of steep slope. Ravine course
 N.W. Thence descend N.W. slope
 of ridge

28.50
~~32.00~~

Ravine, course N.W.

Difference between measurements
³⁶⁵⁰
 of ~~40.00~~ chs. by two sets of chain
 men & the position of middle point

By first ^{at 36.860} 39.96 chs

By second set ^{36.54} ~~40.04~~ chs

3650
~~42.00~~
 3840
~~41.90~~

mean of which is

Set a stake for $\frac{1}{4}$ sec. cor.

Old $\frac{1}{4}$ sec. cor. bears E 103 lks dist

witnessed and marked as

described by surveyor general
 True course of line N 103° 32' E. 38.41

I effect marking on S.E. bearing

tree and run S 103° 32' W. from cor

190 _{lks} to a point ⁹⁸ ~~100~~ lks. W of

stake already set and set a

malpais stone 16 X 12 X 7 ins

11 ins above ground for $\frac{1}{4}$ sec. cor.

mkd $\frac{1}{4}$ on W. face; from which

A pine 8 ins in diam bears N. 198° 0' W

160 lks. dist mkd $\frac{1}{4}$ S 12 B T

A cedar 14 ins. in diam bears S 7° W

44 lks. dist. mkd $\frac{1}{4}$ S 12 B T

July 7 1903 at this cor I set off

22° 40' N. on decl. arc. and at 12^h 24'

24" M. l. m. t. above the sun

on the meridian the resulting latitude is $35^{\circ}26'40''N$ which is the latitude nearly.

Thence I run $N. 1^{\circ}32' E.$

I set over old corners and continue

the line north

Slope sloping N.W.

Have heavy timber

Drain. course N.N.

Difference between measurements of ^{38.10} 80.00 chs. by two sets of chain men is 6 lks. position of middle point.

By first set ^{38.07} 79.97 chs.

By second set ^{38.13} ~~80.03~~ chs.

mean of which is

~~3810~~

~~80.00~~

3988

~~81.78~~

Set a stake for ten sec. cor.

The old cor. of secs. 1, 6, 7 and 12

bears W. 20 lks. dist which makes

the bearing of this line $N 0^{\circ}17' W$

X

I find a malpais stone 12x12x6
ins above ground firmly set.
witnessed and marked as des-
cribed by surveyor general.

I effence marking on N.W. and
S.W. bearing trees and run S

0°17'E from cor 178 lks to a point

19
20 lks ^F of stake already set and

X

set a malpais stone 15x12x6

ins. 12 ins. east - ground for

cor. of secs. 1 and 12 raked with

5 grooves on S and 1 groove on

N. faces; raise a mound of stone

2 ft. base 1½ ft. high W of cor. Pts
impracticable. No trees in limits

suitable for bearing trees.

Land mountainous

Soil, stony; 4th rate.

Timber, pine and scattering cedar.

mountainous land or land
covered with timber 80.00 chs

00/17 W.

North along E. bdy. of sec. 1
Over rolling land through scattering timber

178

I set over old cor and continue
line south.

18.02

19.80

Ridge bears N.W. and S.E. des. good
valley.

27.22

29.00

Fall of descent bears N.E. and S.W.

Thence over nearly level land
through buck brush.

37.72

39.50

Road bears N.E. and S.W.

Difference between measure

ments of ~~40.00~~^{38.20} chs by two sets
of chain men is 4 lks

position of middle point

By first set ~~40.02~~^{38.24} chs

By second set ~~39.98~~^{38.20} chs the

mean of which is

38.22
~~40.00~~
 39.00
~~41.38~~

Set a stake for tier & cor.

The old $\frac{1}{4}$ sec. cor. bears W. 35-llks
 dist. which makes the bearing
 of this line $N 0^{\circ} 30' W$. I find a
 malpais stone 12x12x0 ins
 above ground firmly set, witness
 ed and marked as described
 by surveyor general. From this
 cor I run $S 0^{\circ} 30' E$ 138^{llks} to a point
 35 llks E. of stake already set
 and set a malpais stone
 18x10x6 ins. 12 ins. in the ground
 for $\frac{1}{2}$ sec cor. mkd $\frac{1}{4}$ on W. face;
 raise a mound of stone 2 ft base
 1 1/2 ft high W. of cor.

1.38
~~41.38~~

Thence I run $N. 0^{\circ} 30' W$.
 Set over old $\frac{1}{4}$ sec cor and con
 tinue line north.

1.50

No difference by two sets of
 chain men in chaining

38.20

~~79.58~~

Closing corner of T. 24 N R's
4 and 5 E. bears W. 59 links dist
previously described, which
makes the bearing of this
line ^{N. 53' W} N 53' E.

Land rolling

Soil stony and sandy; soil and 9th rate
timber, scattering pine and cedar
land covered with timber and
buck brush 79.58 chs.

July 7, 1903

Manner Gandle

U.S. Deputy Surveyor.

General Description on Page 47

A list of the names of the individuals employed by.....

Morrin Gaudle
 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 *First Quick Meridian East* through Townships Twenty four and twenty five North, Ranges Four and five East

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

- O. E. Brashears*....., Chainman.
- R. O. Dyer*....., Chainman.
- Herman Schulz*....., Chainman.
- John Agwall*....., Chainman.
- Arthur J. Brown*....., Axman.
- Milton Adamsworth*....., Axman.
- Joseph H. Demees*....., Flagman.

FINAL OATH OF ASSISTANTS.

BOOK 1356

We hereby certify that we assisted Morrin Baudle
 United States Deputy Surveyor, in surveying all those parts or portions
 of the First Guide Meridian East through
Townships Twenty four and Twenty
five North Ranges Four and Five
East

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 him and under his direction; and that said survey has been
 in all respects, to the best of our knowledge and belief, well and faith-
 fully surveyed, and the corner monuments established according to the
 instructions furnished by the United States Surveyor-General for
 Arizona.

- J. S. Brashers, Chainman.
- R. E. Dyer, Chainman.
- Hermann Schulz, Chainman.
- John Agnoll, Chainman.
- Arthur H. Burns, Axman.
- Gilman Earnworth, Axman.
- Joseph H. Lewee, Flagman.

Subscribed and sworn to before me this 7th day
 of July, 1903.

Morrin Baudle
 U. S. Deputy Surveyor Notary Public.

[SEAL.]

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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BOOK 1356

I, Maxim Gaudle, United States
 Deputy Surveyor, 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, 1909, 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 Ari-
 zona, the Manual of Surveying Instructions, and the laws of the United
 States, surveyed all those parts or portions of the First Guide
Meridian East through
Townships Twenty four
and Twenty five North
Ranges four and five East

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 me and under my direction; and I do further solemnly swear
 that all the corners of said survey have been established and perpetu-

47

ated in strict accordance with the Manual of Surveying 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.

Manner Baudle

U. S. Deputy Surveyor.

Subscribed and sworn to before me this 21st day
of Sept, 1903

W. M. Munton

Clerk of the District Court

4890b150-2-02

BOOK 1356

General Description

Through range 4 E T 24 N the land over which this line passes is rough and mountainous for the most part and covered with a heavy growth of pine timber. Through T 25 N. the land is rolling and hilly, covered with cedar and pinon except where there is an occasional park. There is no water any where near the line

Maxim Candler

U. S. Deputy Surveyor.

A P P R O V A L .

Office of the
United States Surveyor-General.
Phoenix, Arizona.

February 1st 1904

The foregoing field notes of the survey of *First Guide Meridian East* thro. *Sp. 24 and 25 North* of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

Executed by *Marvin Candler*
United States Deputy Surveyor, under his contract No. 97, dated *June 30th 1902*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank A. Sargent

U. S. Surveyor-General.