

NOV 11 1902

N. B'dy. T. 25 N. R. 4 E.
M. Gaudle

NOV 11 1902

BOOK 1362

1362

No. 1362

4-671

FIELD NOTES
GENERAL LAND OFFICE.

No. 1362



3,1903.
14,1903

No. 1362

BOOK

1362

"G."

BOOK D

Field Notes
of the survey
North Boundary
of
Township No. 25 North Range 4 East
of the
Gilgand Salt River Basin and Meridian
in the
Territory of Arizona
as surveyed by
Marvin Caudle
U.S. Deputy Surveyor
Under his Contract No. 97.
Dated June 30, 1902.

Survey commenced July 13, 1902.
Survey completed July 14, 1902

Judex
North Bdy T 25N R 4E.

BOOK 1862

2A

BOOK 1362

4-674.

ownship 25 NORTH R. 4E 2 S E.

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

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PRELIMINARY OATHS OF ASSISTANTS.

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We, O. E. Brashers

and Herman Schulz

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

North Boundary of Town ship
Twentyfive North Range Four East

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

O. E. Brashers, Chainman.

Herman Schulz, Chainman.

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this 13th day
of July, 1903.

Morris Bandle
U.S. Deputy Surveyor Notary Public.

[SEAL.]

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We, Joseph H. Dewees Arthur T Burns
and Milton Farnsworth

do solemnly swear that we will well and truly perform the duties of
flagman and axmen, in the establishment of corners and other duties,
according to instructions given us, to the best of our skill and ability, in
the survey of the North Boundary of Town
ship Twentyfive North, Range Four
East

BOOK 1362

of the Gila and Salt River Base and Meridian, in the Territory of
Arizona.

Joseph H. Dewees, Flagman.
Arthur T Burns, Axman.
Milton Farnsworth, Axman.
_____, Axman.

Subscribed and sworn to before me this 13th day
of July, 1902.

Marion Gaudle
US Deputy Surveyor Notary Public.

Survey commenced July 13, 1903 2
 and executed with a W. and L. E. L.
 G. isley light mountain solar
 transit.

For complete description and
 list of instrument see book
~~of~~ ^{of} this series. W

I began at the corners of T. ps 25 T.
 and 26. N. R. 3 and 4 E. which T.
 I recently established and
 run east throwing excess on
 E. bly. of town ship as per
 instructions of surveyor
 general. or

July 13 1903 at 8 A.M. Lumb. etc

I set off $21^{\circ}58' N.$ on decl. arc.
 $35^{\circ}33' A$ on lat. arc and with
 the solar determine a true *

~~meridian~~
 The magnetic bearing of said meridian is $N 14^{\circ} W$
 which reduced by table page 600 in the manual
 gives the true mag decl $15^{\circ}55' E$

Thence I run

East bet. secs. 6 and 31

Over rolling land through scat-
tering cedar and pinon and
dense chies and buck brush.

40.00

Set a sand stone $18 \times 10 \times 7$ ins
12 ins. in the ground for $\frac{3}{4}$
sec. corner mkd $\frac{3}{4}$ on N. face
from which

A cedar, 10 ins. in diam. bears

N. 27° E. 90 lbs. dist. mkd $\frac{3}{4}$ S 313T

A cedar, 10 ins. in diam bears S. 69° E

101 lbs. dist. mkd $\frac{3}{4}$ S 6BT

Leave timber continue through
buck and chies brush

76.00

Enter scattering timber bears
N. a b S.

80.00

Set a malpais stone $16 \times 12 \times 5$
ins. ~~10~~ ins. in the ground

for cor. of secs 5 & 31 and 32
 mkd with 5 grooves on E. and
 1 groove on W. faces; raise a
 mound of stone $2\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high W. of cor; Pits
 impracticable, from which
 A cedar, 10 ins. in diam bears $N70^{\circ}W$
 140 lks dist mkd T26NR4ES31BT
 A cedar, 10 ins. in diam bears $S29^{\circ}W$
 129 lks. dist mkd T25NR4ES6BT
 Land rolling.

Soil, stony; 3rd and 4th rate.

Timber, cedar and pinon

Land covered with timber or
 dense chips and buck brush 80 chs

East bet. secs 5 and 32

Over rolling land through cedar
 and pinon

26.50

Draw ~~lead~~ line timber. enter
lead timber bears N. and S.

40.00

Set a malpais stone 14x10x8
ins. 11 ins. in the ground for
 $\frac{1}{4}$ sec. cor. mkd $\frac{1}{4}$ on N. face;
raise a mound of stone 2 ft
base $1\frac{1}{2}$ ft high N. of cor.
^{fits impracticable}

64.00

Enter live timber. bears N. & S.

67.00

D rain, course N.W.

80.00

Set a sand stone 18x15x15 ins
12 ins. in the ground for
cor. of secs. 4, 5, 32 and 33
mkd with 4 grooves on E.
and 2 grooves on W. faces, raise
a mound of stone 2 ft base
 $1\frac{1}{2}$ ft high W. of cor. ^{fits impracticable}
A cedar 8 ins. in diam. bears N
49°35' W. 18 lks dist. mkd T26NR4ES323T
A cedar 6 ins. in diam. bears S 85°35' E

126 lks. dist mkt T25NR4ES9BT

No other trees suitable in limits
Land rolling.

Soil, stony; 3rd rate.

Timber cedar and pinon.

Land covered with timber
8000 chs.

July 13 1903 I set off $21^{\circ}56'N$.
on decl. arc and at $12^{\text{h}}05^{\text{m}}22^{\text{s}}M$.

I. m. t. observe the sun on the
meridian. The resulting lati-
tude is $35^{\circ}33'$ which is the
is the latitude nearly.

Thence I run

East between sec. 4 and 33

Over rolling land through
thick buck brush and pinon

40.00

Set a malpais stone $15 \times 12 \times 5$ ins
10 ins. in the ground for $\frac{1}{2}$

sec. cor. mkt $\frac{1}{4}$ on N face,
from which

A pinon, 18 ins. in diam bears N. 20°
45' W. 80 lks. dist. mkt $\frac{1}{4}$ S 33 B T

A pinon 5 ins. in diam bears S. 25° E.
193 lks. dist mkt $\frac{1}{4}$ S 4 B T

46.00

Drain, course N.W.

80.00

Set a malpais stone 15 X 10 X 8
ins. 10 ins. in the ground for
cor. of sec 34, 33 and 32 mkt
with 3 grooves on E. and W. faces.
dig pits 18 X 18 X 12 ins in each
section 5 $\frac{1}{2}$ ft. dist and raise
a mound of earth 4 ft base, 2
ft. high W. of cor. No trees in
limits suitable for bearing trees
Land, rolling.

Soil, stony; 3rd rate.

Timber, scattering cedar and pinon

Land covered with timber or
buck brush 80.00 chs.

East bet. secs. 3 and 34

Over rolling land through
buck and chico brush.

28.50

Enter scattering cedar and
pinon. bears N. and S.

32.00

Leave cedar and pinon
bears N and S.

40.00

Set a malpais stone 14x10
x 6 ins. 10 ins in the ground
for $\frac{1}{4}$ sec. cor. mkd $\frac{1}{4}$ on N face;
dig pits 18x18x12 ins E. and
W. of cor. 3 ft. dist; and raise
a mound of earth $3\frac{1}{2}$ ft
base, $1\frac{1}{2}$ ft high N. of cor.

80.00

Set a malpais stone 18x14x
12 ins. 12 ins. in the ground

for cor of secs. 2, 3, 34 and 35
 subd. with 2 grooves on E and
 4 grooves on W. faces, dig pits
 18 x 18 x 12 ins. in each section
 5 1/2 ft. dist and raise a mound
 of earth 4 ft base, 2 ft high
 W. of cor.

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✓ July 14. 1903 at 8 a.m. l.m.t. I set
 off $21^{\circ}49'30''$ ^N on decl arc. $95^{\circ}0'$
 33' N. on lat arc and with the
 solar determine a true
 meridian.

Thence I run

East bet. secs. 2 and 35

Over rolling land through
 dense chic and buck brush.

40.00

Set a malpais stone 6 x 12 x 6

ins. 11 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S on N.
 face; near a mound of
 stone 2 ft base. $1\frac{1}{2}$ ft high
 N. of cor. Pits impracticable
 from which

A furrow 5 ins. in diam
 bears S. $71^{\circ}45'$ W. 145 lbs dist marked
 $\frac{1}{4}$ S-2 B T

76.00 Enter scattering cedar
 and [^]pinon

80.00 Set a malpais stone
 20 x 14 x 10 ins. 15 ins in
 the ground for cor of secs.
 1, 2, 3, 5 and 36 marked with 1
 groove on E. and 5 grooves
 on W. faces; from which
 A furrow 6 ins in diam bears N 31°
 $48'$ E. 198 lbs dist marked T & N R 4 E 336 B T

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A cedar, 5 ins. in diam bears S 71° 23' E

188 lbs. dist. marked T 25 N R 4 E S 1 B T

A pinon 10 ins. in diam bears S 62° 32' W

204 lbs. dist. marked T 25 N R 4 E S 2 B T

A pinon, 8 ins. in diam bears N 56° 38' W

106 lbs. dist. marked T 26 N R 4 E S 3 B T

Land, rolling

Soil, stony; 3rd rate.

Timber, 4 cls cedar and pinon

Land covered with timber on
back and chice brush 80 cls

Coast bet. secs. 1 and 36

Over rolling land pinon through
cedar and pinon.

16.50 Dism road, bears N. and S.

40.00 Set a malpais stone 14 x 10 x 6
ins. 10 ins. in the ground for
¼ sec. cor. marked ¼ on N. face;

from which

A pinon 8 ins. in diam bears N. 47° 16' E.

40 lks dist. mkd 4 S 36 B T

A pinon 6 ins. in diam bears S

60° 08' E. 77 lks. dist. mkd 4 S 1 B T

83.85 Intersect E. bdy. of Tps 25 ~~and 26~~

H. Rs. 4 ~~and 5~~ and first guide

meridian E. 3.1 4 chs. S. ^{0° 8' W} of Tp

corner previously described.

I efface markings on N.W. and

S.W. faces of post and N.W. and

S.W. bearing trees. At point of in-

tersection set a pinon post

4 ins. square 4 ft long. ³⁶ 5 ins

~~above~~ ⁱⁿ ground for closing corner

of Tps 25 and 26 N. R 4 E. mkd

with 6 notches on N.W. and S. edges

T 25 N. S 1 on ~~S.W. R 4 E. S 36~~ on N. S.

R 4 E ^{face} W. faces, C.C. on W. edge;

from which

A pinon 6 ins. in diam bears N 31° W
 33 lbs dist ^{cc} mfd T 26 NR 4 E S 36 B T

A cedar 8 ins. in diam bears S 10° W
 90 lbs dist mfd cc T 25 NR 4 E S 1 B T

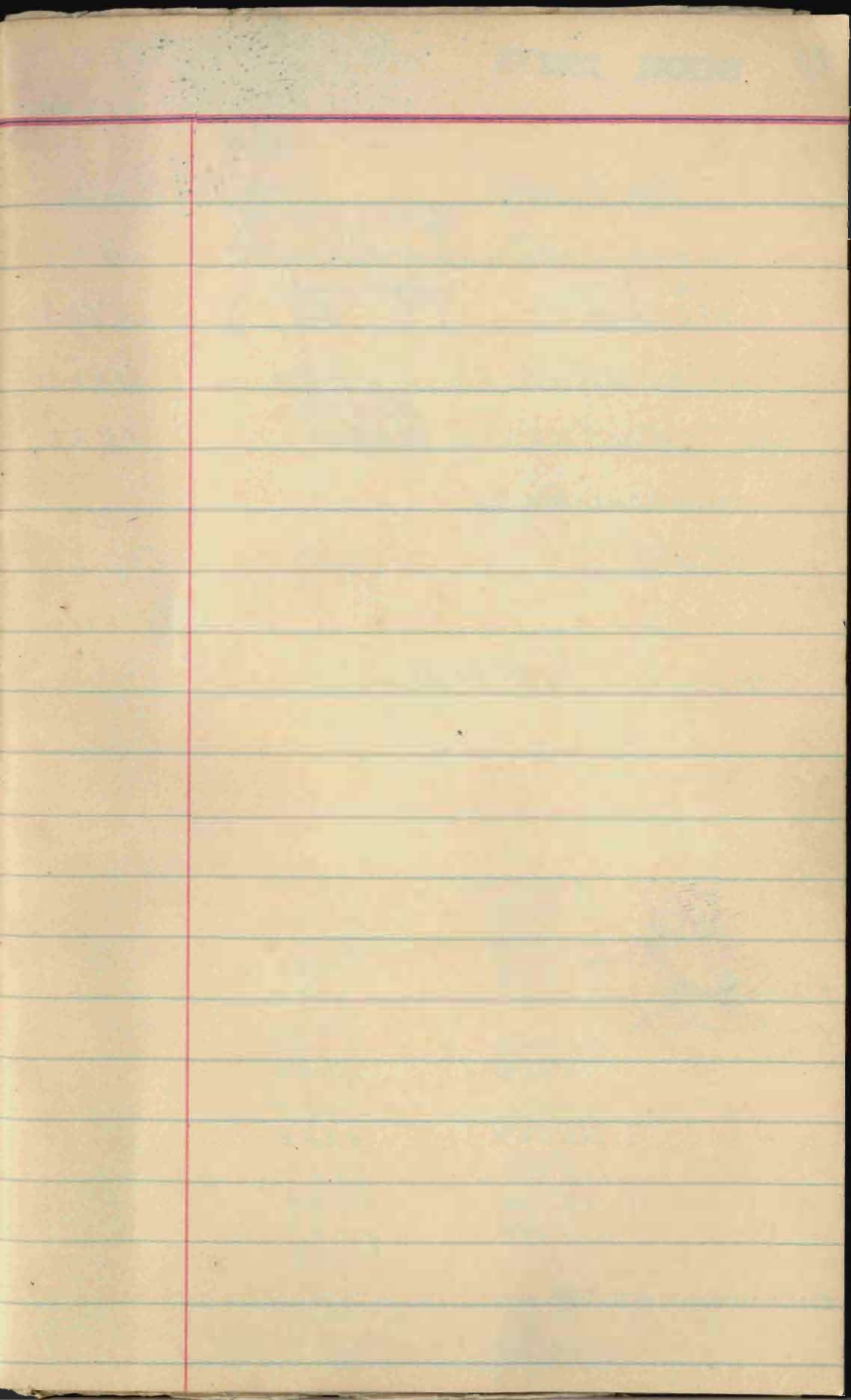
Land, rolling

Soil, stony and sandy, good and 5 ch rate

Timber cedar and pinon

Land covered with timber

83.85 chs.



Boundaries of Latitude, Deflection

| Line Designated | True bearing | Distance |
|-------------------------|--|----------|
| 6th Standard Parallel N | S 89° 53' E N 89° 53' W | 481.37 |
| 1st S. Meridian E | (average) N 0° 23' E | 481.54 |
| W Bdy T 25 N R 4 E | SOUTH | 480.00 |
| N Bdy T 25 N R 4 E | West E 05 E | 483.85 |

Convergence
Totals

Error in Latitude

| | | |
|----------------------------------|---------------|---------------|
| | N 0° 03' W | 47.00 |
| | N 0° 56' E | 40.20 |
| | N 0° 06' W | 39.75 |
| First Guide meridian Cosh. | N 1° 24' E | 39.81 |
| | N 1° 24' E | 39.72 |
| | N 0° 45' E | 39.66 |
| | N 0° 26' W | 39.64 |
| | N 1° 39' E | 40.07 |
| | N 0° 56' W | 39.26 |
| | N 0° 08' E | 39.89 |
| | N 0° 11' W | 39.85 |
| | N 0° 08' E | 39.83 |
| | | <u>454.68</u> |
| Intersection of N Bdy. | 3.14 | |
| | <u>481.54</u> | |

N 0° 23' E average course.

T. 25 N. R 4 E.

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ris and closing errors

| Latitudes | | Departures | |
|-----------|---------------|-------------------------|-------------------------|
| North | South | West East | East West |
| 481.54 | .98 | | 481.37 3.27 |
| | 480.00 | | |
| | | 483.85 | |
| | | 51 | |
| | | 56 | |
| 481.54 | 480.98 | 484.36 | 484.64 |
| 480.98 | | 484.35 6 | 484.36 |
| | | | 484.35 |
| .56 | Error in dep. | | .28 |
| | | | .29 |

General Description.

This township contains nearly every variety of land from plains to mountains and soil ranges from sandy to very stony. The soil of the rolling land is sandy and soil of mountains is stony and of volcanic origin.

None of the soil is very productive. Pinion, Cedar are found on the mountainous land also some scattering pine. Dense Chico and buck brush cover rolling land. No mineral deposits or indications were found and all of the stone is of lava formation.

There are not any springs or rivers or creeks. heavy snows prevail in the winter time and there is great deal of water in spring but it sinks in the ground

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in the summer

There are not any settlers in this township, but there are two deserted cabins in sections 2 and 5 respectively.

Maurice Gandle
U.S. Deputy Surveyor

LIST OF NAMES.

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

Marvin 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 *North Boundary of Town ship*

Twenty five North Range Four 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.

Herman Schulz....., Chainman.

....., Chainman.

Arthur I. Brown....., Axman.

Milton Francisworth....., Axman.

Joseph H. Deuces....., Flagman.

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FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Mamie Gaudle
United States Deputy Surveyor, in surveying all those parts or portions
of the North Boundary of Town ship
Twenty five North Range Four East

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.

J. E. Brashers, Chainman.

Wernon Schuly, Chainman.

_____, Chainman.

_____, Chainman.

Arthur H. Burns, Axman.

Dillon C. Fenner, Axman.

Joseph H. Lewis, Flagman.

Subscribed and sworn to before me this 14th day
of July, 1903.

Mamie Gaudle
U.S. Deputy Surveyor Notary Public.

[SEAL.]

I, Mosur 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....., 190~~7~~², 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 North.....

Boundary of Township Twenty
five North Range Four 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-

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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.

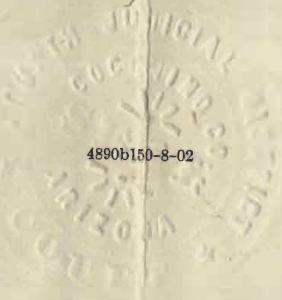
Marvin Bandle

U. S. Deputy Surveyor.

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

J. W. Finston
Clerk of the District Court

4890b150-8-02



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 sur-

vey of *the North Bdy. of*
*T 25 N R 4 E.*of the Gila and Salt River Base and Me-
ridian, in the Territory of Arizona.Executed by *Marvin Candler*

United States Deputy Surveyor, under

his contract No. *97*, dated *June 30 1902*,having been critically examined, and the
necessary corrections and explanationsmade, the said field notes, and the sur-
veys they describe, are hereby approved.*Frank S. Ingalls*

U. S. Surveyor-General.