

BOOK 1324

+

TP. 1. N. R. 15 E.

PA. Boundaries

North East West

4-671

1324

FIELD NOTES  
GENERAL LAND OFFICE.

Albert T. Cotton.

OK 1324

Preliminary Oaths of Assistants.

We, Chester Irvine

and Harvey Elliott

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; 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 lengths 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 boundary

lines of Township 1 N. R  
15 E.

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

Chester Irvine Chainman.

Harvey Elliott Chainman.

Chainman.

Chainman.

Subscribed and sworn before me, this 31<sup>st</sup>

day of July 1899

Charles H. Curtis  
Notary Public

Clifford Curtis  
Gila Co., Ariz.

[SEAL.]

We, *Fred Merritt; Juan B. <sup>11A</sup>*

*Gay and John Brady*

BOOK 1324

do solemnly swear that we will well and truly perform the duties of *Flagman and*  
*Asman*

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

*boundary lines of Town*  
*ship 1 N. R 15 E.*

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

*Fred Merritt*

*Juan B. Gay*

*John Brady*

Subscribed and sworn to before me this

*3/27*

day of

*July*

*1897*

*Chas. J. Hartley*

Notary Public

*Chas. J. Hartley*  
*Chas. J. Hartley*

No. 1324

1  
18

BOOK 1324

Field Notes

of the survey of the  
East-west + North Bldg.

of  
Twp 1 N. Range 13 E.

of the  
Gila + Salt River Base  
and Meridian, Ariz.

as surveyed by  
Albert T. Colton U.S.  
under contract No. 5-2

Dated April 15, 1899.

Survey commenced July 31, 1899

Survey completed Aug. 3, 1899.

2 East Bdy T. 1, N. R 13-E

BOOK 1324

E. Bdy. T. 1. N. R 15-E

3

BOOK 1324

Index

East Bdy	T 1 N 15 E	6
West "	T 1 N 15 E	18
North "	T 1 N 15 E	22

4 East boundary T. 1. N.

R. 15 - E

BOOK 1324

Names & duties of assistants

chester Irwin	Chairman
Harvey Elliott	"
Juan B. Gay	Recorder
Fred Merritt	Flagman

BOOK 1324

32	33	34	35	36	31
----	----	----	----	----	----

26		25		24		23		22	
----	--	----	--	----	--	----	--	----	--

5	4	3	2	1	17	6
---	---	---	---	---	----	---

12	16	7
----	----	---

13	14	18
----	----	----

T. 1. N. R. 15 E

24	20	19
----	----	----

24	13	19
----	----	----

25	19	30
----	----	----

25	12	30
----	----	----

36	18	31
----	----	----

36	10	31
----	----	----

E. T. I. N. R. 13-E

5-

BOOK 1324



6 East bdy T. 1 N. R. 15 E.

BOOK 1324

Survey commenced July 31, 1899  
And executed with a  
young & Sons Light-Moun-  
tain Transit No 5-706,  
with Solar attachment.  
The horizontal limb is  
provided with two double  
verniers placed opposite to  
each other, reading to  
single minutes of arc  
which is also the least  
count of the verniers of  
the latitude & declination  
arcs.

The instrument was ex-  
amined, tested on the  
true meridian at Tucson  
found correct & was approved  
by the Surveyor Genl for Ariz  
April 26, 1899

I examine the adjustment of the transit + correct the level + collimation errors, then to test the solar apparatus by comparing its indications resulting from solar observations made during A.M. + P.M. hours.

With a true meridian determined by observation on Polaris, I proceed as follows.

July 30. At my camp  
1/4 mile N. W of the Buffalo  
smelter on the right  
bank of Pinal creek

Lat-  $33^{\circ} - 24'$  N.

Long  $111^{\circ} - 34'$  W.

At 3:30 P. M. I met. I set

8

East Bdy T. I. N. R. 15, - E.

BOOK

1324

off  $33^{\circ}24'$  on Lat-arc  
 $18^{\circ}26'$  N on decl' arc, deter-  
 mine with the solar  
 a true meridian.

and make a point  
 thereof on a plug driven  
 in the ground 5 chs N.  
 of my station

At  $10^{\text{th}} - 5^{\text{min}}$  P.M. by my  
 watch which is correct  
 l.m.t. I observe Polaris  
 at Eastern elongation in  
 accordance with the  
 manual of instructions  
 and mark a point on  
 the line thus determined  
 on a plug driven in the  
 ground 5 chs N. of my station  
 July 31 at  $7^{\text{th}}$  A.M. l.m.t.  
 Day off azimuths of Polaris

East Boly T. I. N. R. 15-E

9

BOOK 1324

$1^{\circ} 28'$  to the West + mark  
the true meridian thus  
determined by a tack driven  
in the plug already set  
5-cho N. of my station  
Mark fall 1 ins West of the  
mark determined by solar  
At  $7^{\text{th}}$  A. M. h. m. t. I set off  
 $33^{\circ} 24'$  on lat arc  $15^{\circ} 17'$  on  
decl. arc + mark a point  
on the true meridian  
by a tack driven in the  
plug already set 5-cho N.  
of my station; this mark  
falls on same mark  
made on yesterday's ob-  
servation.

Magnetic bearing at 7. A. M.  
is  $14^{\circ} 16'$  E reduced by table  
on page 100, gives  $14^{\circ} 14'$  E.

## East Bdy T. 1. N., R. 15- E

chs

BOOK 1324

- I begin at the Standard  
 cor to T. 1 N. R. 15 + 16 E.  
 which I established  
 July 29, 1899.  
 Thence I run
- 2.50 North but see 31 + 36,  
 through dense catclaw  
 Cross wire fence  
 brs N 15° E. S 15° W.
- 21.40 S. <sup>cor</sup> of a frame house 6 cks E.  
 Pinal creek bottom.
- 27.93 Cross wire fence brs E + W.
- 31.00 Wagon road Globe to Florence  
 brs N. 45° W., S 45° E.
- 34.20 Center of Pinal creek  
 course N. 44° W.
- 35.60 Enter cultivated land of  
 Robinson's.
- 36.00 House 3 chs W.
- 40.00 Set a granite stone 12 x  
 12 x 10 ins 8 ins in ground

East Bely T. 1. N., R. 15. E.

11

BOOK 1324

- also  
 for  $\frac{1}{4}$  sec cor, marked  $\frac{1}{4}$  on  
 W face, raise mid. of stones  
 2 ft - base  $1\frac{1}{2}$  ft - high. W. of cor  
 Pits impracticable.
- 40.40 Center of E. V. G. & N. R.R. brs  
 S  $50^{\circ}10'$  E, N.  $50^{\circ}10'$  W.
- 63.70 Cross wire fence brs  
 N.  $80^{\circ}$  E, S  $80^{\circ}$  W.
- 69.10 Cross wire fence brs  
 N.  $80^{\circ}$  E, S  $80^{\circ}$  W.
- 78.30 Center of wash 50 yds under  
 course S  $85^{\circ}$  W.
- 79.30 cross wire fence brs S  $85^{\circ}$  W.  
 N.  $85^{\circ}$  E.
- 80.00 Set granite rock 20X14X14 ins  
 15 ins in ground for cor sec  
 25, 30, 31, & 36 marked with  
 1 notch on S + 5 on N. faces  
 raise mid. of stones 2 ft - base  
 $1\frac{1}{2}$  ft - high W. of cor. Pits

## East Bdy T. 1. N., R 15-E

cls

impracticable.

Land rolling 2<sup>nd</sup> rate  
except 20 cls in Pinal creek  
bottom which is level &  
1<sup>st</sup> rate

36 cls dense Catsclaw  
brush and

24 cls. mountainous.

North bit sec 25 + 30

over mountainous land

35.10 Cross wire fence bro  
N.  $65^{\circ}$  E + S  $65^{\circ}$  W.

40.00 Set a sandstone 20 x 12 x 3 ins  
15 ins in ground for 1/4 sec  
cor marked 44 on N face  
Rise mid of stone 2 ft  
base 1/2 ft high N. of cor.  
Pits impracticable.

51.00 Center of wash 20 cls mile  
course S.  $40^{\circ}$  W.

## East Boly T. 1. N., R. 13-E

chs

80.00

Set quartz rock  $18 \times 12 \times 6$  ins  
 $12$  ins in ground for cor  
 sec 19, 24, 25 + 30. marked  
 with 2 notches on S + 4 on N.  
 edges. Build med of stones  
 $2$  ft base  $1\frac{1}{2}$  ft high W. of cor.  
 Pits impracticable.  
 Soil 2<sup>nd</sup> rate first-half mile  
 " 3<sup>rd</sup> " second " "  
 No timber.  
 Land mountainous 80 chs

North bet sec 19 + 24  
 over mountainous land

40.00

A quartz rock in place  
 $24 \times 12 \times 3$  in above ground  
 marked  
 with + +  $\frac{1}{4}$  S on top of rock  
 + build med of stones  $2$  ft base  
 $1\frac{1}{2}$  ft high W. of cor.  
 Pits impracticable



## East Bdy T. 1. N., R. 15. E

chs

70.00 Center of wash 20 lks wide  
course west.

80.00

A quartz rock in place  
12x12x12 ins above ground,  
I mark 3 notches on S + 3  
on N. edges for cor secs

13-18-19-24. Build md  
of stones 2ft base 1 1/2 ft high  
W of cor.

Pits impracticable

Land mountainous 80 chs

Soil 3<sup>rd</sup> rate.

No timber

N. bet. secs. 13 + 18

over mountainous land

40.00

Set a quartz rock 20x12x8 ins  
15 ins in ground for 1/4 sec cor  
marked 1/4 on W face.

Build md of stones 2ft base

## East Bdy T. 1. N., R. 15-E

chs

1 1/2 ft high N of cor.

Pits impracticable.

54.50 Center of wagon road Globe  
to Armstrong. road E + W79.50 Center of Big John wash  
course S 40° W, 50-lb-wide80.00 Set a quartz rock 20x8x5 ins  
15 ins in ground for cor.  
secs 17, 12, 13 + 18marked 2 notches on N. +  
4 on S. faces.Raise mod. of stones 2 ft  
base 1 1/2 ft-high N of cor.

Pits impracticable.

Soil 3<sup>rd</sup> rate

Scattering Catsclaw brush.

Land mountainous

80 chs.

## East Bdy T. 1. N., R. 15. E

chs

N. bet sees 17 &amp; 12

Over mountainous land

40.00

Set a granite rock 24x18x4 ins  
 14 ins in ground for  $\frac{1}{4}$  sec. cor  
 marked  $\frac{1}{4}$  S on W face

Build md of stones 2ft.  
 base  $1\frac{1}{2}$  ft high W of cor  
 Pits impracticable

80.00

Set a granite rock 16x14x8 ins  
 10 ins in ground for cor sees  
 1-12-6-7, marked

5 notches on S + 1 on N. faces  
 Build md of stones 2ft base  
 $1\frac{1}{2}$  ft high W. of cor.

Pits impracticable.

Sail 3rd rate

Brush Cateclaw.

Land mountainous

80 chs

East Bly, T. 1. N., R. 15-E

chs

N. bet secs 1 & 2  
through dense brush  
over mountainous land

40.00

Set granite rock 24x10x8 ins  
16 ins in ground for  $\frac{1}{4}$  sec  
cor, marked  $\frac{1}{4}$  on W face  
Build end of stones 2 ft base  
 $1\frac{1}{2}$  ft high W of cor.

Pits impracticable.

80.00

Set a granite rock 20x14x8 ins  
14 ins in ground for cor  
The 1 & 2 N. R. 15 & 16 E.

marked with 6 notches  
on each edge

Raise end of stone 2 ft base  
 $1\frac{1}{2}$  ft high S of cor 4 ft dist

Pits impracticable

Land mountainous 80 chs

Soil 2<sup>nd</sup> rate

Dense Mesquite brush 80 chs  
July 31, 1899

187 West Bd T. 1. N., R 15 E

BOOK 1324

also

From cor T<sub>1</sub> N. R<sub>14</sub> + 15 - E  
established by me July  
I run

N. bet sees 31 & 36, N<sub>14</sub> 1/4 E  
over mountainous land

40.00 Set granite stone 18x12x6 ins  
12 ins in ground for 1/4 sec  
cor, marked 1/4 on W face  
Build end of stones 2 ft  
base 1 1/2 ft high W of cor.  
Pits impracticable,

78.00 Enter Bloody land valley

80.00 Set granite stone 18x18x6 ins  
12 ins in ground for cor sees

~~Pits~~  
25-30-30 & 36, marked  
1 notch on S. & S. on N. edges  
Build end of stones 2 ft base  
1 1/2 ft high W. of cor.  
Pits impracticable,  
Soil 3<sup>rd</sup> rate

## West Bdy T. 1. N., R. 13-E

chs

Scattering brush of mesquite  
Land mountainous  
80 chs

From courses 25, 30, 31 + 36

I run

N. in valley bet sec 25 + 30

10.00

Center of wash 20 lks wide  
course N.  $30^{\circ}$  E.

14.50

Wagon road Globe to Bloody  
Lank, N.  $50^{\circ}$  E. S  $50^{\circ}$  W.

15.00

Leave valley + ascend over  
mountainous land

40.00

quartz rock in place  $24 \times 18 \times$   
6 ins, 16 ins ~~above~~ ground, marked  
with 1/4 on W face for 1/4 sec  
cor. Build ind of stones  
2 ft base 1 1/2 ft high W of cor.  
Pits impracticable.

## West Bdy T. 1 N., R. 13 - E.

chs

80.00

Set quartz rock 16x10x6 ins  
12 ins in ground for cor

secs 24, 25, 19, + 30, marked  
2 notches on S. + 4 on N. faces.

Build incl of stones 2 ft base  
1 1/2 ft high W. of cor.

Pits impracticable.

Land mountainous 65 chs

Dense brush, Mesquite 15 chs  
in valley.

Soil 1 + 3<sup>rd</sup> rate.

North but secs 24 + 19

over mountainous land

5.30

Bottom of cañon 100 ft deep.

40 ft on bottom, course E.

Spring 30 lks, W of line

40.00

Set granite stone 16x8x6 ins

10 ins in ground for 1/4 sec cor

marked 1/4 on W face, build

## West Boly T. 1 N., R. 15 E.

chs

mid of stones 2ft-base, 1½ft-high W of cor.

Pits impracticable.

40.30 Wagon road Globe to Pinto  
creek, and Black Warrior  
creek, brs E + W.

79.80 Bottom of deep canon  
course E.

80.00 Granite rock in place  
24 X 24 X 18 ins above ground  
for cor sees 13-24, 18 + 19  
marked with 3 notches on  
1. + 3 on N. faces.

Build mid of stones 2ft base  
1½ft-high W of cor.

Pits impracticable.

Land mountainous 80 chs.

Soil 3<sup>rd</sup> rate.

Scattering scrub oak brush



North Bdy T. 1 N., R. 15-E

Land on North mountainous, rocky & very rough; impracticable to survey.

I abandon line.

Aug 1<sup>st</sup> 1899

From cor to Tpo 1 & 2 N.

Rs 15 & 16 E, established by me, July 31<sup>st</sup>

I run it on true line but see 1-36

Over mountainous land

40.00

Set granite stone 16x10x8 ins  
12 ins in ground for  $\frac{1}{4}$  sec  
cor, marked  $\frac{1}{4}$  S on N. face

Build med of stones 2 ft-base  
1 1/2 ft-high N. of cor.

Pits impracticable

~~80.00~~

Granite rock in place

North Body T. 1 N., R. 13-E.

chs

24x24x4 ins above ground  
for cor secs 1-2-35-36  
marked with 1 notch on  
E. & 3 on W. edges. Build  
mid of stones 2ft base 1 1/2 ft  
high N. of cor.

Pits impracticable

Land mountainous 80 chs

Soil 2<sup>nd</sup> rate

Scattering brush  
scrub oak

W. lot secs 2-35-

over mountainous land

0.00

Set granite stone 16x10x8 ins  
10 ins in ground for 1/4 sec cor,  
marked 1/4 on N. face.

Build mid of stones 2ft base  
1 1/2 ft high N. of cor.

Pits impracticable.

North Body T, 1 A., R 15-E

chs  
80,00

Set granite stone 16x10x8  
ins 10 ins in ground for cor  
secs 2-3-34 + 35, marked  
with 2 notches on E + 4 on  
N. faces.

Build end of stone 2ft base  
1 1/2 ft high N. of cor.

Pitō impracticable.

Land mountainous 80 chs.

Soil 2<sup>nd</sup> rate.

Brush Mesquite.

West bit secs 3 + 34  
through dense brush.

40,00

Set granite stone 16x14x6 ins  
10 ins in ground for 1/4 sec.  
cor. marked 1/4 on N. face.

Dig pitō 18x18x12 ins E + N.  
of stone 3 ft dist; raise  
end of earth 3 1/2 ft base

North Body T. 1 N., R. 15-E.

chs

80.00

1 1/2 ft-high N of cor  
 Set granite stone 18x8x6 ins  
 12 ins in ground for cor sec  
 3-4-33-34, marked 3 notches  
 on E + 3 on W faces.

Build end of stones 2 ft-base

1 1/2 ft-high N of cor.

Pit impracticable

Land rolling

Soil 2<sup>nd</sup> rate

Dense brush Mesquite 80 chs

West bet sec 4 + 33

Over rolling land covered  
 with dense brush.

40.00

Set granite stone 16x12x8 ins  
 10 ins in ground for 1/4 sec cor  
 marked 1/4 on N. face

Build end of stones 2 ft-

base 1 1/2 ft-high N of cor.

Pit impracticable.

## North Bdy T. 1 N., R 75 E

- also
- 80.00 Set granite stone 16x10x6 ins  
10 ins in ground for corners  
4-5-32 + 33, marked  
4 notches on E + 2 on W. edges  
Basin mid of stones 2ft base  
1 1/2 ft - high N. of cor.  
Pits intractable.  
Land rolling  
soil 2<sup>nd</sup> rate.  
Dense mesquite brush 80 chs
- 
- West-bdy sees 1- + 32  
Through dense brush  
over rolling land
- 15.90 Wagon road from Globe to  
Wheatfields N + S.
- 37.00 Right-bank Pinal creek  
course N 3<sup>o</sup> W.
- 39.70 Left-bank.
- 40.00 Set granite stone 18x10x8 ins

North Bdy T1N. R15-E

46

12 ins in ground for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on N. face.

Shig pits 18x18x12 ins E & W  
of stone 3 ft - dist. Raise  
mid of earth  $\frac{3}{4}$  ft - base  $\frac{1}{2}$  ft - high  
N of cor.

A Cottonwood 14 ins in diam-  
eter, br 14. 36 lks. marked  
T. 2 N., R 15-E. S. 32 13 T  
No other trees available.

Land rolling

Dense brush Mesquite 46 also

Soil 2<sup>nd</sup> rate.

Land to West rough &  
mountainous; impractica-  
ble to survey.

I discontinue line

Aug, 2, 1899

A List of the Names of the Individuals  
employed by Albert P. Colton

U. S. Deputy Surveyor, to assist in running, meas-  
uring and marking the lines and corners described  
in the foregoing Field Notes of the survey of the

Boundary lines of  
P. N. R. 13 E

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

Chester Irvine Chainman.

Harvey Elliot Chainman.

Chainman.

Chainman.

Juan B. Gay Axeman.

John Brady Axeman.

Flagman.

BOOK 1324  
Final Oath of Assistants.

We hereby certify that we assisted Albert  
T. Colton U. S. Deputy Surveyor, in  
surveying all those parts or portions of the  
boundary lines of Town-  
ship 1 N. R. 15 E

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.

Chester Dwyne Chainman.

Harvey Elliott Chainman.

Chainman.

Chainman.

Juan B. Gay Axeman.

John Brady Axeman.

Flagman.

Sworn to and subscribed before me, this 19  
day of August, 1899

Chas. Infante  
Notary Public  
Chas. Infante  
Gila Co. Ariz.

[SEAL.]



## Final Oath of U. S. Deputy Surveyor.

30

I, Albert D. Colton

U. S. Deputy Surveyor, do solemnly swear that in  
 pursuance of a contract received from <sup>George</sup> Royal M.  
<sup>Christ</sup> Johnson, United States Surveyor-General for Ari-  
 zona, bearing date of the 18<sup>th</sup> day of

April 1899, I have well, faith-  
 fully, and truly, in my own proper person, and in  
 strict conformity with the instructions furnished by  
 the United States Surveyor-General for Arizona,  
 the Manual of Surveying Instructions, and the  
 laws of the United States, surveyed all those parts

or portions of the boundary  
lines of Township  
1 N. R. 15 E.

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  
 me and under my direction; and I do further  
 solemnly swear that all the corners of said surveys  
 have been established and perpetuated in strict  
 accordance with the Manual of printed instructions,  
 the special instructions of the United States Sur-  
 veyor-General for Arizona, and in the specific

n<sup>1</sup> 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.

Albert C. Colton  
U. S. Deputy Surveyor.

Sworn to and subscribed before me this 19<sup>th</sup>

day of August, 1899

Chas. J. Hartung  
Clerk Dist Court  
Isida Co. A. T.

BOOK 1324

Albat F Colton,  
Deputy Surveyor.