

No. 1270

East Boundary

Tp 7 N. R 10 E. BOOK 1270

Albert T. Colton

BOOK 1270

4-978

1270

**FIELD NOTES**

**GENERAL LAND OFFICE.**



Preliminary Oaths of Assistants.

BOOK 1270

We *John Brady*  
and *Harvey Elliott*  
do solemnly swear that we will well and faithfully execute  
the duties of Chain Carriers; that we will level the chain over  
even and uneven ground, and plumb the tally pins, either by  
sticking or dropping the same; that we will report the true dis-  
tance 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  
*Exterior boundaries of*  
*T. P. 7 N. R. 10 E.*

of the principal base and meridian in the Territory of Arizona.

*John Brady* Chainman.  
*Harvey Elliott* Chainman.

Subscribed and sworn before me, this *5<sup>th</sup>*

day of *October* 188*9*

*A. J. Howell*  
Notary Public.

*My Commission Expires April 10<sup>th</sup> 1890*

1A

We Chester Irvine and  
Justus P. Welles Jr.

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

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 Exterior boundaries  
of Sp. 7 N. R. 10 E

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of the principal base and meridian in the Territory of Arizona.

Chester Irvine  
Justus P. Welles Jr.

Subscribed and sworn to before me this 5<sup>th</sup>  
day of October 1899

A. J. Howell  
Notary Public.

My commission Expires April 10 1903

No. 1270

BOOK 1270

1B

Field Notes  
of the survey of the  
East Boundary  
of  
Twp. 7 N. Range 10 E.  
of the  
Gila & Salt River Base  
and Meridian, Arizona  
as surveyed by  
Albert P. Colton D. S.  
under contract No. 56.  
Dated June 24<sup>th</sup> 1899.

Survey commenced October 6, 1899  
Survey completed October 6, 1899

2 East Bdy. F. F. A. R. T. E.

chs

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2

East Bdy T. 7 N. R. 10 E.

13

chs

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4 East Boundary P. 7 N.  
R 10 E.

Chs Names and duties of Assistants  
Harvey Elliott Chairman  
John Brady "  
Justus P. Welles Jr Assman  
Chester Irvine Flagman.

BOOK 1270

T. 7 N. R. 10 E.

1 6  
—|—  
12 16 7  
—|—  
13 15 18  
—|—  
24 14 19  
—|—  
26 13 30  
—|—  
36 11 31  
—|—

East Bdy T. 7 N. R. 10 E.

5

hs

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6 East Bdy. T. 7 N. R. 10 E.

BOOK 1270

chs

Surveyed commenced Oct. 6<sup>th</sup> 1899  
and executed with a  
Young & Sons Light Mount-  
tain Transit No. 5706,  
with solar attachments  
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 meridional Tucson  
found correct and was approved  
by the Surveyor Genl for Arizona  
June 26, 1899.

ch.

I examine the adjustment of the transit and correct the level and 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.

Oct. 3<sup>rd</sup> 1899 At my camp at school house on Tonto Creek near the house of G. O. Scott.  $33^{\circ} 54' 76''$ .

Latitude N  $34^{\circ} 2'$

Longitude  $111^{\circ} 16' 4''$

8 East Boly P. 7 N. R. 10 E.

chs

At 3.00 o'clock P. M. l. M. t. I drive a tack in a plug driven firmly in the ground from which the N. E. Cor. of school house bears N.  $72^{\circ}5'N$ . 53.5 links and S. E. Cor. of school house bears S.  $80^{\circ}52'N$ . 54 links.

At this point I set up my instrument and set off  $34^{\circ}2'$  on lat. arc and  $4^{\circ}53'S$  on decl. arc, and determine with the solar a true meridian and drive a nail in the base board on G. O. Scotts house 5 chs North of my station.

At 6 h. 24 m. P. M. by my watch which is correct l. M. t. I observe Polaris at eastern elongation in accordance

East Bdy F. 7 N. R. 10 E.

chs

with the manual of instructions  
and marked a cross on the line  
thus determined on the base-  
board of G. O. Scotts house 3.00  
chs N. of my station,  
Oct. 6. at 8 h. A. M. L. M. T I  
lay off azimuth of Polaris  
 $1^{\circ}29'$  and mark the true  
meridian thus determined  
by a cross on base-board of  
G. O. Scotts house 5 ch. N. of  
my station. The mark falls  
0.8 ins. west of the mark deter-  
mined by my solar.

At 8 h. A. M. L. M. T. I set off  
 $34^{\circ}2'$  on lat. arc and  
 $5^{\circ}8'$  S on declination arc  
and mark a cross on true  
meridian on the base-board

East body P. 7 N. Q. 10 E.  
chs of G. O. Scotts house 5.00 chs  
N. of my station.

This mark is 0.4 ins West  
of my observation on Polaris  
the previous evening.

Magnetic bearing at 8<sup>h</sup> A.M.  
is  $14^{\circ}30' E.$  reduced by table  
on page 100 gives  $14^{\circ}27' E.$

East Bdy T 7 N R. 10 E.

Chs.

I begin at the cor to Tps. 6 & 7 N., Rs. 10 & 11 E., which is a granite stone 10 x 8 ins. showing 4 in above ground marked as described by the Surveyor General.

Thence I run North between Secs. 31 & 36.

Through dense cat-claw and grease wood brush.

34.50 Centre of wash 50 liks wide.  
Course S. 75° W.

39.70 As  $\frac{1}{4}$  Sec. Cor. would fall in wash I set a quartzite rock 16 x 8 x 8 ins, 11 ins in the ground at this point. marked  $\frac{1}{4}$  S. W. C. on N. face. Raised mound of stones 2 ft base, 1 $\frac{1}{2}$  ft high N. of Cor.

Pits impracticable

East bdy P. 7 N. R. 10. E.

- chs.  
 39.85 Left bank of wash course N.  
 41.15 Right bank.  
 80.00 Set quartzite rock 16x12x8 ins  
 11 ins. in ground for cor. to  
 sec 25, 30, 31, 36 marked with  
 1 notch on ~~S~~ + 5 on N. faces  
 raise mound of stone 2 ft base  
 1 1/2 ft high N. of Cor. Pits impracti-  
 cable.

Land mountainous 80 chus.  
 Soil 3<sup>rd</sup> rate

Scattering greasewood and cat-  
 claw brush.

## East Eddy, T. 7. N. R. 10. E.

chs

Thence North bet. Secs. 25-30.

Over mountainous land.

46.00 Set a quartzite rock 24x12x6 ins.  
18 ins in ground for  $\frac{1}{4}$  sec. cor.  
marked '48 on N. face and raised  
mound of stone 2 ft. base,  $1\frac{1}{2}$  ft.  
high, W. of cor. Pits impracticable

80.00 Set a sandstone 20x6x6 ins,  
15 ins in ground for cor. to sec  
19, 24, 25, 30 marked with 2  
notches on S and 4 on N faces  
Raised mound of stone 2 ft base  
 $1\frac{1}{2}$  ft high W. of cor.

Pits impracticable.

land mountainous 80 chs.

Soil 3<sup>rd</sup> rateScattering mesquite and  
grease wood brush.



East body. P. 7<sup>th</sup>. R. 10. E.

- chs  
Thence N. bet. <sup>secs</sup> 19. and 24.  
Over rolling land
- 22.00 Centre of wash 1 ch wide course N.
- 40.00 Set a quartzite rock 18x8x6 in  
12 ins in ground for  $\frac{1}{4}$  sec. cor.  
Marked  $\frac{1}{4}$  S. on N. face dig pits  
18x18x12 ins., N & S of stone, 3 ft.  
dist.; and raise mound of earth,  
3 $\frac{1}{2}$  ft base 1 $\frac{1}{2}$  high N. of cor.
- 45.00 Centre of wash 1 ch wide course S 80° N.
- 80.00 Set quartzite rock, 15x12x5 ins.  
10 ins. in ground for cor. to secs  
13, 18, 19, 24, marked with three  
notches on N. and S. faces  
Raised mound of stones 2 ft base  
1 $\frac{1}{2}$  ft high N. of cor.  
Pits impracticable  
Land rolling.  
Soil 2<sup>nd</sup> and 3<sup>rd</sup> rates  
Dense mesquite and greasewood brush  
80 chs

East Eddy P. 7 N. R. 10 E.

chs

Thence N. bet. Secs. 13 & 18  
Over mountainous land

4.00 Centre of wash 40 links wide  
Courses N.

40.00 Set granite rock 16x10x8 ins.  
11 in in ground for  $\frac{1}{4}$  Sec. Cor.  
marked  $\frac{1}{4}$  S on N. face. raised  
mound of stone 2 ft base,  $1\frac{1}{2}$  ft  
high N. of Cor.

Pits impracticable

80.00 Set quartzite 16x8x6 ins. 11 ins  
above ground for Cor to Secs  
7, 12, 13, 18. marked 4 notches  
on N. and 2 notches on N. faces.  
Raised mound of stone 2 ft base  
 $1\frac{1}{2}$  ft high N. of Cor.

Land mountainous 80 chs.

Soil 3rd rate

Scattering mesquite and  
cat claw brush

## East Side P. T. N. R. 10 E.

chs

Thence N. bet Secs. 7-12.  
Over mountainous lands.

40.00

Set porphy rock 16x12x6 ins

11 ins in ground for  $\frac{1}{4}$  Sec. Cor.

Marked  $\frac{1}{4}$  S. on N face, raised

mound of stone 2 ft base,  $1\frac{1}{2}$  ft

high N. of Cor.

Pits impracticable.

80.00

Quartzite rock in place 24x18x6

above ground for cor. to secs.

1, 6, 7, 12 marked with a + on

top. with 1 notch N. and 2

notches S. of +. Raised mound

of stone 2 ft base,  $1\frac{1}{2}$  ft high

N. of cor.

Land mountainous 80 chs.

Soil 3<sup>rd</sup> and 4<sup>th</sup> rate

Dense catclaw and greasewood  
brush.

Pits impracticable.

East bdy. T. 7 N. R. 10 E.

chs

The country N. of this is mountainous with precipitous cañons and is impracticable to survey so discontinue line at this point.

October 6<sup>th</sup> 1899

The North and West boundaries of T. 7 N. R. 10 E. being mountainous with very deep precipitous rocky cañons is impracticable to survey there.

List of Names.

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A List of the Names of the Individuals  
employed by Albert T. 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

Exterior boundaries  
of Twp. 7 N. R. 10 E

o 1903

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

John Brady Chainman.  
Harvey Elliott Chainman.

..... Chainman.  
..... Chainman.

Justus P. Welles Jr. Axeman.  
..... Axeman.

Chester Irwin Flagman.

18A

Final Oath of Assistants.

We hereby certify that we assisted Albert  
P. Colton U. S. Deputy Surveyor, in  
 surveying all those parts or portions of the  
Exterior boundaries of  
R. T. R. 10 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.

John Brady Chainman.  
Harvey Elliot Chainman.  
 \_\_\_\_\_ Chainman.  
 \_\_\_\_\_ Chainman.

Justus P. Welles Jr. Axeman.  
 \_\_\_\_\_ Axeman.

Charles Irvine Flagman.

Sworn to and subscribed before me, this 14<sup>th</sup>

day of October, 1899.

A. Howell  
 Notary Public.

[SEAL.]

My Commission Expires April 10

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

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I, *Albert P. Colton*

U. S. Deputy Surveyor, do solemnly swear that in  
pursuance of a contract received from ~~Royal J.~~<sup>George</sup>  
~~Johnson~~<sup>Christ</sup>, United States Surveyor-General for Ari-  
zona, bearing date of the *24th* day of

*June* 189*9*, 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 *Exterior Boundaries*  
*of Twp. 7 N. R. 10 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

180 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.

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Albert T. Colton

U. S. Deputy Surveyor.

Sworn to and subscribed before me this 14<sup>th</sup>

day of October 1899

A. J. Howell  
Notary Public

My commission expires April 1

Sworn to and subscribed  
before me this 24 day of  
November 1900.

George Christ  
N. S. Surveyor Genl.



715  
5.11

Albert C. Patton,  
U. S. Deputy Surveyor.

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APPROVAL.

OFFICE OF THE U.S. SURVEYOR GENERAL.

Phoenix, Arizona.

January 9. 1901.

The foregoing field notes of the survey of East boundary of  
Tr. 7 N., R. 10 E.  
 executed by Albert J. Colton, D.S.  
 under his Contract No. 56 dated June  
24, 1899. having been critically  
 examined, and the necessary corrections  
 and explanations made, the said field  
 notes, and the surveys they describe,  
 are hereby approved.

*Nugh A. Price*

U.S. Sur. Gen. for Arizona.