

Review

1715\

of the

BOOK 1715

West Boundary

of

Sec. 21 T. 2 R. 13 W.  
4-671

By James H. Lamport  
U.S. Sub.

FIELD NOTES

BOOK 1715

GENERAL LAND OFFICE.

1715

Contract No. 41

1715\

Survey accepted & plat ordered filed,  
Dept. letter E. March 31, 1848.

Field Notes  
November 23 1896

1

Field Notes.

BOOK 1715

of the resurvey of the

West. Boundary.

BOOK 1715

of  
Township 23 N. Range 13 W.  
of the

Principal Base and Meridian,  
in the

Territory of Arizona.

as surveyed by

James A. Luskport,  
U.S. Deputy Surveyor.

under his Contract No. 41.

Dated June 17, 1896.

Survey Commenced Aug. 24, 1896  
Survey Completed Aug. 26, 1896

# INDEX.

BOOK 1715

1	18	6	
12	16	7	
13	13	18	<sup>23</sup> <del>T. 25</del> NR 13 W.
24	10	19	
25	8	30	
36	6	31	

1A

Preliminary Oaths of Assistants.

We, *Angus P. Carey*

and *W. A. Epperson*

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 <sup>W. boundary of</sup> survey of the *Town*

*23 North Range 13 West.*

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

*Angus P. Carey* Chainman.

*W. A. Epperson* Chainman.

Indian *Yu-Ka-Na-ve* <sup>his</sup> *X* Chainman.

Chainman.

Subscribed and sworn before me, this *22<sup>d</sup>*

day of *August* 189*6*

*J. F. Porter*

Notary Public.

[SEAL.]

*Witness signature of Yu-Ka-Na-ve an Indian  
used for holder for  
Williams & Co.*



We *James M. Vanderwerken*

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

in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the <sup>re</sup> survey of the west.

<sup>boundary of</sup> *Town 23. North Range 13. West.*

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

*James M. Vanderwerken,*



Subscribed and sworn to before me this *22<sup>d</sup>*

day of *August* 189*6*.

*J. G. Potter*

Notary Public.

## Resurvey of the West boundary

Survey Commenced Aug. 24. 1896. and executed with a W. & L. E. Gurley heavy transit No. 15. the opposite Verniers reading to single minutes of arc. on the horizontal limb. the Verniers of the latitude and declination arcs. reading to  $.30''$  of arc. -

The instrument and chain were examined and tested and found correct at Tucson and was approved by the Surveyor General of Arizona August. 10. 1896. -

I examine the adjustments of the transit. and correct

T. 23. N. R. 13 W.

the level and Collimation errors, then to test the Solar apparatus by Comparing its indications resulting from Solar observations made during A.M. and P.M. Hours, with a true meridian determined by observations on Polaris. I proceed as follows.—

August 24. I select a Station one chain north of the Cor. of Tps. 22<sup>nd</sup> and 23. N. R. 13<sup>th</sup> and 14<sup>th</sup> W. in latitude  $35^{\circ}17'30''$  N. longitude  $113^{\circ}40'W$ . at 4.<sup>h</sup> 25<sup>m</sup> P.M. l. m. t. I set off  $35^{\circ}17'30''$  on the lat. arc,  $104^{\circ}1'$  N. on the decl. arc, and

Resurvey of the East. boundary of

determine with the Solar a true meridian, and mark a point thereof on a Stone set firmly in the ground 5.00 chs. N. of my Station. -

At 9<sup>h</sup> 11<sup>m</sup> P.M. l.m.t. by my watch which is correct. I observe Polaris at eastern elongation in accordance with manual of Instructions and mark a point thus determined on a plug driven in the ground 5.00 chs. N. of my Station. -

August 24. 1896.

Aug. 25. At 6<sup>h</sup> 0<sup>m</sup> a.m. l.m.t. I lay off the azimuth of Polaris  $1^{\circ} 31' 5''$  to the west and mark the true meridian



J. 23. N. R. 13. W.

thus determined, by cutting a groove in the stone already set yesterday, on which the true meridian falls, 0.2 ins. W. of the mark determined by the solar.

At 7<sup>h</sup> 0<sup>m</sup> a.m., l.m.t. I set off  $35^{\circ} 17' 30''$  on the lat. arc  $10^{\circ} 28' N.$  on the decl. arc and mark a point in the meridian determined with the solar, by a cross on the stone already set, 5.00 chs. N. of my station. This mark falls 0.1 ins West of the true meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations

Resurvey of the West. boundary of

chains.

defines position of the true meridian with sufficient accuracy. therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7<sup>h</sup> 0<sup>m</sup> a.m. is N 14° 4' W. the angle thus determined reduced by the table on page 100. of manual. gives the mean magnetic declination 14° 0' East. —

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Preliminary to Commencing the Survey of the exterior boundaries of Tp. 23. N. R. 13 W. I find it necessary to re-survey the W. bdy.

T. 23. N. R. 13 W.

chains of this Township. for the reason that the old Corners are nearly all obliterated or missing. A resurvey will be required to place and re-establish the Corners. and Verify the line.

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I begin at the established Cor. of Tps. 22. and 23. N. Rs. 13 and 14 W. A Cedar tree. Surrounded with Stone. marked and Witnessed. as described by the Surveyor General. Thence I run

North. bet. Secs. 31 and 36.

by  $14^{\circ} 0' E$

Over rolling land.

0.30 Dry wash 25 lks. wide. flows N.W.  
 4.00 Same wash 25 lks. wide. flows N.E.

## Resurvey of the West. boundary of

Chains. Ascend.

27.00 Summit of Spur 250 ft. above  
trans. E. and W. descend

30.00 Ravine flows N.E. foot of Spur

40.00 Set a malpais stone 18x10x4  
ins. 12 ins. in the ground. for  
1/4 Sec. Cor. marked 1/4 on W. faceand raised a mound of stone  
2 ft. base 1 1/2 ft. high W. of Cor.

Pits impracticable.

Whence a cedar 8 ins. diam.  
trans S 19° 30' E 150 lks. dist.  
marked 1/4 S. B.S. -A Cedar 6 ins. diam. trans  
N 57° 38' W 115 lks. dist.  
marked 1/4 S. B.S. -45.00 Foot of slope. Dry wash 20  
lks. wide flows N.E.

60.30 Dry wash 50 lks. wide flows N.E.

## T. 23. N. R. 13. W.

chains.

- 80.00 Set a granite Stone 16x10x10 ins.  
11 ins. in the ground. for Cor. of  
Secs. 25, 30, 31 & 36 marked with  
1 notch on S. and 5 notches on  
N. edges, and raise a mound  
of Stone 2 ft. base, 1 1/2 ft.  
high W. of Cor. -  
Pits impracticable.  
Land, rolling.  
Soil, Stony. 3<sup>d</sup> and 4<sup>th</sup> rate.  
No timber. -

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North, bet. Secs. 25<sup>th</sup> & 30.

Over rolling land.

- 0.50 Enter dry wash, flows, N.E.  
5.90 Leave dry wash, flows, N.E. ascend  
12.75 Top of S.W. point of Black  
Ridge. View N.E. & S.W. descent  
25.00 Foot of descent, and enter dry

# Resurvey of the West boundary of

- |        |   |
|--------|---|
| chains | Wash. flows. N.E.   |
| 28.60  | Leaves dry wash. flows. N.E. ascend   |
| 30.00  | Top of ridge bears N.E. <sup>2</sup> / <sub>3</sub> S.W. descend  |
| 40.00  | Set a malpais Stone 12x8x6 ins.<br>8 ins. in the ground. for <sup>1</sup> / <sub>4</sub> Sec.<br>Cor. Marked <sup>1</sup> / <sub>4</sub> on W. face, dig<br>pits 18x18x12 ins. N. <sup>2</sup> / <sub>3</sub> S. of<br>Stone. 3 ft. dist. and raise a<br>mound of earth 3 <sup>1</sup> / <sub>2</sub> ft. base 1 <sup>1</sup> / <sub>2</sub><br>ft. high N. of Cor.<br>Descend gently |
| 40.20  | Old road bears E. N. W.   |
| 52.75  | Old road. bears E. N. W.  |
| 57.20  | Old road bears E. <sup>2</sup> / <sub>3</sub> W.  |
| 59.80  | Dry Wash. 10 lbs wide flows N.E.  |
| 61.00  | Trail. bears E. <sup>2</sup> / <sub>3</sub> W.  |
| 65.50  | Begin abrupt. ascent. bears N. W. S. E.   |
| 70.00  | Top. 250 ft. high. bears N. W. <sup>2</sup> / <sub>3</sub> S. E. descend  |

T. 23. N. R. 13. W.

chains

79.00 Foot. trans. E. <sup>and</sup> W.

80.00 Set a granite Stone 24 $\frac{1}{2}$  x 12 x 8 ins.  
18 ins. in the ground. for Cor. of  
Secs. 19, 24, 25 <sup>and</sup> 30. marked  
with 2 notches on S. and 4 not-  
ches on N. edges. and raise a  
mound of Stone 2 ft. base 1 $\frac{1}{2}$   
ft. high W. of Cor.

Pits impracticable.

Land. rolling <sup>and</sup> levelSoil. Stony <sup>and</sup> gravelly 3<sup>d</sup> rate.

No timber.

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 North. bet. Secs. 19 <sup>and</sup> 24.

Over rolling land.

Descent gently

26.10 Road, from Crozier to Hackberry  
trans. N 70° E <sup>and</sup> S 70° W.

32.00 Fence trans. N 70° W <sup>and</sup> S 70° E

## Resurvey of the West boundary of

- | chains |  |
|--------|--|
| 32.70  | William F. Grounds house. S. Cor. bears<br>E. 150 lks. dist.   |
| 35.23  | Fence bears N.E. <sup>4d</sup> S.W.  |
| 36.00  | Set a malpais Stone 24X10X18 ins.<br>18 ins. in the ground for Witness<br>Cor. to $\frac{1}{4}$ Sec. Cor. marked W.C. $\frac{1}{4}$<br>on W. face. and raise a mound<br>of Stone 2 ft. base $1\frac{1}{2}$ ft. High<br>W. of Cor. Pits impracticable.<br>N. Cor. of William F. Grounds house<br>bears S $36^{\circ}30'E$ 271 lks. dist.<br>Center rod of Windmill bears<br>N $70^{\circ}30'E$ 320 lks. dist. |
| 37.28  | Enter Truxton Wash dry. flows<br>N $70^{\circ}W$   |
| 40.00  | True point of $\frac{1}{4}$ Sec Cor. falls<br>in Truxton Wash. Set. W.C.<br>4.00 chs. S.   |
| 46.00  | Leave Truxton wash flows N $80^{\circ}W$ .<br>ascend   |



## T. 23. N. R. 13. W.

chains 47.50	Western Union Company's Telegraph line trans. $N 71^{\circ} W$ and $S 71^{\circ} E$
48.50	Middle of single track Atlantic and Pacific Railroad. trans. $N 71^{\circ} W$ and $S 71^{\circ} E$ .
49.50	Postal Telegraph Company line trans. $N 71^{\circ} W$ and $S 71^{\circ} E$ .
50.55	Cat claw tree 4 ins. diam. on line with 2 notches on N. and S. sides.
66.00	Dry Wash 20 lks. wide flows W.
71.35	Old Beal road trans. $N 50^{\circ} W$ & $S 50^{\circ} E$
80.00	Set a granite stone $16 \times 8 \times 6$ ins. 11 ins. in the ground for Cor. of Secs. 13, 18, 19 <sup>th</sup> 24. marked with 3 notches on N. & S. edges. and raise a mound of stone 2 ft. base. $1\frac{1}{2}$ ft. high W. of Cor. Pit impracticable.

Resurvey of the West boundary of  
chains

N.W. Cor. of O. J. Porters house  
in town of Hackberry Texas  
S 74° 40' W

S.W. Cor. of Atlantic and Pacific  
Company's Depot Texas.

N 75° W

Land, nearly level, and rolling  
Soil, Sandy and gravelly. 2<sup>d</sup> rate  
No timber.

August. 25. 1896

North. bet. Secs. 13. and 18.

over rolling land, ascending

- 0.05 Dry Wash 195 lks. wide, flows S.W.
- 2.00 Gravel bank Texas N.E. and S.W.
- 18.00 Point of rocks, Texas N.E. + S.W.
- 22.00 Dry Wash 20 lks. wide, flows S.W. <sup>ascend</sup>
- 24.00 Top. Descend abrupt. from N.E. + S.W.
- 25.00 Dry. Wash 250 lks. wide, flows S.W.

## T. 23. N. R. 13. W.

chains	
27.50	Leave Valley and ascend Music Mountains. bears E. <sup>2nd</sup> W.
39.50	Top of Spur. bears N.W. and S.E.
40.00	Set a granite Stone 40x18x8 ins. on bed rock. Surrounded by mound of Stone. for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. and raised a mound of Stone 2 ft. base. $1\frac{1}{2}$ ft. high N. of Cor. Pits impracticable. Whence a granite rock ledge marked $\frac{1}{4}$ S. B.R. bears E 12 lks. dist. S.W. Cor. of Depot. of Atlantic and Pacific Railroad bears S $46^{\circ} 3' W$ .
	N.W. Cor. of O. J. Porters House bears S $36^{\circ} 32' W$ . descend
42.00	Foot of Spur. bears S.E. <sup>2nd</sup> N.W.
44.00	ascend along east slope of Music Mountain

## Resurvey of the West boundary of

chains.

- 61.50 Summit. trans. E. <sup>and</sup> W. descend
- 64.50 Ravine. flows. E. ascend
- 71.00 Top. trans. E. & W. descend
- 71.70 Dry wash 10 lks. wide flows E. <sup>ascend</sup>
- 76.00 Top. trans. E. <sup>and</sup> W. descend abrupt.
- 78.00 Ravine. flows. W. Steep sides, ascend
- 80.00 A granite boulder in place  
6 x 3 x 3 ft. above ground <sup>marked</sup>  
marked with a Cross. at exact  
Cor. point. with 4 matches  
on S. and 2 matches on N. for  
Cor. of Secs. 7, 12, 13 <sup>and</sup> 18. as  
described by the Surveyor  
General.

Land. rolling and mountainous  
Soil. gravelly & stony. 2<sup>d</sup> & 4<sup>th</sup> rate.  
No. timber.

Mountainous Land. 52.50 chs.

## T. 23 N. R. 13. W.

Chains.	North. bet. Secs. 7. <sup>th</sup> & 12.
	Over Mountains land, ascend
2.80	Top. trans. E <sup>nd</sup> W. descend
6.50	Ravine. flows. W.
10.50	Ravine. flows. W.
12.00	Ravine. flows. W. ascend
19.30	Summit of Spur. trans. E & W descend
23.00	Ravine flows. N.W. ascend
26.00	Top. trans. N.W. & S.E. descend
30.00	Ravine. flows N.W. ascend
34.00	Top. trans. N.W. & S.E. descend
40.00	Reestablished Cor. in its original position, by setting a Malpais Stone 24x10x10 ins 18 ins. in the ground. for 1/4 Sec. Cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base. 1 1/2 ft. high N. of Cor. Pits impracticable.

## Resurvey of the West. boundary of

Chains Whence a Palo Verde 6 ins.

diam. bears  $S63^{\circ}10'E$  31

lks. dist. marked  $\frac{1}{4}$  S. B. S.

No other tree within limit.

I found the original  $\frac{1}{4}$  Cor. Stone 6 lks. N.W. of original

position. which is indicated by a small mound of stone

50.00 Foot. of Spur. bears N.W. + S.E.

76.00 Dry Wash 15 lks. wide flows S.W.

80.00 Re-established Cor. in its original position by setting a granite Stone  $30 \times 10 \times 6$  ins.

22 ins. in the ground. for Cor.

of Secs. 1, 6, 7<sup>th</sup> and 12. marked with 5 nails on S, and 1

nail on <sup>N</sup> edges. and raise a

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

ft. high W. of Cor.

T. 23 N. R. 13 W.

Chains Pits impracticable.  
 Hence a Palo Verde. 8 ins. diam.  
 bears  $S 82^{\circ} E$  232 lks. dist.  
 Marked T. 23 N. R. 13 W. S. 7. B. I.  
 No other trees within limits.

I find faint trace of the  
 old Cor. by the old mound of  
 Stone, but I fail to find the  
 original Marked Cor. Stone.

Land Mountainous

Soil Stony 3<sup>d</sup> and 4<sup>th</sup> rate  
 No timber.

Mountainous land 80. 50 cho.

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August. 26. at 2<sup>h</sup> 25<sup>m</sup> p. m.  
 l. m. t. I set off  $35^{\circ} 22'$  on  
 the lat. arc,  $10^{\circ} 1'$  N on the  
 decl. arc, and determine a true  
 meridian with the Soler, at Cor.

## Resurvey of the West boundary of

Chains. of Secs. 1, 6, 7<sup>and</sup> 12.

Thence I run

North. bet. Secs. 1. <sup>and</sup> 6.

Over mountainous land

1.00 Dry Wash 200 lks. wide flows S.W.

3.00 ascend. bears N.E. <sup>and</sup> S.W.

4.00 Leave Mountain and enter rolling land

6.50 Top. bears N.E. <sup>and</sup> S.W. descend

10.00 Foot. of Slope. bears N.E. &amp; S.W.

19.80 Dry wash 20 lks. wide flows S.W.

Begin ascent.

27.00 Top. bears N.E. &amp; S.W. descend

30.00 Dry Wash 50 lks. wide flows  
S.W. bottom

36.90 Dry wash 5 lks. wide flows S.W.

40.00 Set a Sandstone 15x12x6 ins.

10 ins. in the ground. for  $\frac{1}{4}$ See Cor. marked  $\frac{1}{4}$  on W. face

and raise a mound of Stone



## J. 23 N. R. 13. N.

chains.	2 ft. base. $1\frac{1}{2}$ ft. high. W. of Cor. Pits impracticable.
76.00	Dry wash 50 lbs. wide flows. W
78.00	Begin ascent of rocky hill trans. E. + W.
80.00	Cor. of Sps. 23 <sup>rd</sup> and 24 <sup>th</sup> N. R.S. 13 <sup>th</sup> and 14 <sup>th</sup> W. which is a Malpais Stone, in mound of Stone. marked with 6 notches on each edge. and I raise a mound of Stone 2 ft. base. $1\frac{1}{2}$ ft. high S. of Cor. I find this Cor. in its original position. as described by the Surveyor General. Land Mountainous <sup>and</sup> rolling Soil. gravelly <sup>and</sup> stony. 3 <sup>rd</sup> & 4 <sup>th</sup> rate No timber. Mountainous land 4.00 chs. August. 26. 1896

Note. In resurveying  
the West. boundary of  
this Township. I fail  
to find any trace of the  
old Corners. Except those  
to which I refer. in  
the foregoing Field-Notes.

James A. Sampson.  
M.S. Deputy Surveyor

Office of U. S. Surveyor-General.

Tucson, Ariz. Mar. 20, 97.

The foregoing field notes of the Re-Survey of the West boundary of T. 23 N., R. 13 W., Arizona, executed by James A. Lamport, U. S. Deputy Surveyor, under his Contract No. 41, dated June 17, 1896, having been critically examined the necessary corrections and explanations made the said field notes, and the surveys they describe are hereby approved.

*George Christ*

U. S. Surveyor-Gen'l.

A List of the Names of the Individuals  
 employed by *James A. Lamport*  
 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  
 Resurvey of the West boundary  
 of T. 23 N. R. 23 W.

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

<i>Angus P. Carey</i>	Chainman.
<i>Will A. Epperson</i>	Chainman.
<i>Indian Yukonave</i>	Chainman.
	Chainman.
	Axeman.
	Axeman.
<i>James M. Van Derwerker</i>	Flagman.

Final Oath of Assistants.

We hereby certify that we assisted James A. Lampson U. S. Deputy Surveyor, in re surveying all those parts or portions of the west boundary of Sp. 23 N. R. 13, W.

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.

- Yu-ka-na-re, his + mark Chainman.
- August P. Carey Chainman.
- Will. A. O. Johnson Chainman.
- ..... Chainman.
- ..... Axeman.
- ..... Axeman.

James M. Van Dewater Flagman.

Sworn to and subscribed before me, this 26 day of August, 1896.

James A. Lampson  
Notary Public.  
U. S. Deputy Surveyor

[SEAL.]

No office available to administer oaths.

Witness signature of "Yukonov" an Indian  
H.P. Ebling  
Sullivan

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

I, *James A. Lamford*

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

*June* 189*6*, 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 *West. boundary of*  
*Sp. 23. N. R. 13. W.*

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

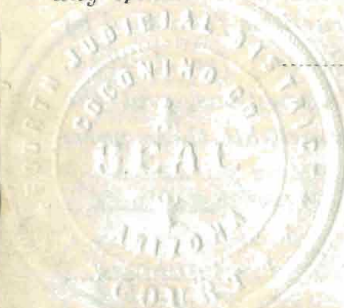
26

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.

*James A. Sampson*  
U. S. Deputy Surveyor.

Sworn to and subscribed before me this *19th*

day of *November*, 189*6*



*C. A. Kewer*  
Clerk District Court  
District of Arizona

**BOOK 1715**