

Standard
BOOK "R"

2524

BOOK 2524

FIELD NOTES

OF THE SURVEY OF THE

3rd Guide Meridian East through Tps
29 North bet. Rs 12 and 13 East

Of the Gila and Salt River Basins Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Van L. White, U.S. Assistant United States Deputy Surveyor,

Special Instructions from the Commissioner of the General Land Office

Under his Contract No. _____, dated Feb. 2nd 1907 and May 15th 1908

Survey commenced January 22nd 1911, ~~1908~~

Survey completed January 23rd 1911, ~~1908~~

NAMES AND DUTIES OF ASSISTANTS.

<u>T. Y. White</u>	<u>Chairman</u>
<u>Richard L. Shumway</u>	<u>Chairman</u>
<u>George B. Seig</u>	<u>Chairman</u>
<u>Nelson Polacca</u>	<u>Chairman</u>
<u>Harry Keyops</u>	<u>Moundman</u>
<u>William R. Carson</u>	<u>Flagman</u>

BOOK 2524

INDEX DIAGRAM.

Township _____, Range _____

2525

6	5	4	3
7	8	9	10
18	17	16	15
19	20	21	22
30	29	28	27
31	32	33	34

Uns.	2567
1	6 6
12	7 7
13	18 18
24	19 19
25	30 30
36	2 31
	2520

T29N
R12E
Uns

3rd Guide Meridian East

T29N
R13E
2615

7. Stand Parattel North

Meanders Page _____

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BOOK 2524

PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Y. White, Richard L. Shumway and George B. Seig^{and} Nelson Polacca
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 distances 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

3rd Guide Meridian E. through Tps 29 N. bet. Rs 12 and 13 E.
of the G. & S. R. Mer. Arizona

George B. Seig and J. Y. White, Chainmen.
Nelson Polacca and Richard L. Shumway, Chainmen.

Subscribed and sworn to before me this 22nd
day of January, 1911 190



Van L. White
U.S. Transitman

I, Harry Keyope
do solemnly swear that ~~we~~ will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~me~~ to the best of ~~my~~ skill and ability, in the survey of

3rd Guide Meridian E. - through Tps 29 N. bet. Rs 12 and 13 E.
of the G. & S. R. Mer. Arizona.

Harry Keyope, Moundman.

Subscribed and sworn to before me this 22nd
day of January, 1911 190



Van L. White
U.S. Transitman

WE, _____ and _____
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, to the best of our skill and ability, in the survey of

_____, Axman.
_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 190



I, William R. Carson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of 3rd Guide Meridian E. - through Tps 29 N. bet. Rs 12 and 13 E.
of the G. & S. R. Mer. Arizona.

William R. Carson, Flagman.

Subscribed and sworn to before me this 22nd
day of January, 1911 190



Van L. White
U.S. Transitman

Survey commenced January 22nd 1911 and executed with a W^{and} L. E. Gurley engineers transit no 76. with a Burh solar attachment, the horizontal limb is provided with one double vernier reading to single minutes of arc. The verniers of the latitude and declination arcs reading to 0' 30" of arc.

Examine the adjustments 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. and p.m. hours with a meridian established by observations on Polaris I proceed as follows.

At the stake which marks the south end of the meridian which I established by Polaris observations at my Camp near the cor. of sec 15, 16, 21, and 22, T 28 N, R 13 E.

January 8th 1911., See field notes of the Survey of the 7th Standard Parallel North through ^{in Standard Book "N"} R 13 E. I set off 35° 49' N. on the lat. arc, 19° 47 1/2' S. on the decl. arc.

and at 9^h 11^m a.m. l.m.l. determine a meridian with the solar and mark a point thereof by a tack driven in the stake which marks the north end of the meridian 5.00 chs. dist. This point falls 0.6 ins E. of the meridian established by the Polaris observation.

At 12^h 11 1/2^m p.m. l.m.l. I set off 19° 46 1/2' S on the decl. arc and observe the sun on the meridian and obtain a reading of 35° 49' N. nearly.

At 2^h 41 1/2^m p.m. l.m.l. I set off 35° 49' N. on the lat. arc, 19° 44 1/2' S. on the decl. arc and determine a meridian with the solar and mark a point thereof by a tack driven in the stake which marks the north end of the meridian established by the Polaris observation. This point falls 0.2 ins west of the meridian established by the Polaris observation.

The solar apparatus by a.m. and p.m. observations defined positions for meridians respectively about 0' 26" East and 0' 10" west of the meridian established by the Polaris observation at this place. therefore I conclude that the adjustments of the instrument are satisfactory

January 22nd 1911

January 23, 1911.

I require the Standard Cor. of N₁₅ 29 N, R₁₂ and R₁₃

The Third Guide Meridian East through Twp 29 N. R. 12 and 13 East

2 chains

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described in Standard Book "N"
East, which I established January 9th 1911, Latitude
35° 51' 28" N., Longitude 111° W.

At 9^h 12^m a.m. l.m.l. I set off 35° 51' 1/2" N. on
the lat. arc 19° 34' S. on the decl. arc and determined a
meridian with the solar alt. the above Twp cor. thence down
North Twp. sec. 31 and 36.

Descend N.W. slope over rolling sandy land through
sage and greasewood brush undergrowth and bunch
grass

Difference ch. measurements of 40.00 chs. by two
sets of chainmen is 0.4 chs. position of middle point
By 1st Set 39.98 chs.

By 2nd Set 40.02 chs. the mean of which is
40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for 1/4 sec cor. marked on brass cap 1/4 S 36
on W. half and S 31 on E half

Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dist. and
raise a mound of earth 3 1/2 ft. base. 1 1/2 ft. high. W. of
cor.

Difference ch. measurements of 80.00 chs. by two
sets of chainmen is 0.5 chs. position of middle
point.

By 1st Set 80.02 1/2 chs.

By 2nd Set 79.97 1/2 chs. the mean of which is
80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins.
in the ground for cor. by sec. 25, 30, 31 and 36
marked on brass cap T 29 N. in N. half, R 12 E S 26
in N.W. R 13 E S 30 in N.E. S 31 in S.E. and S 36 in
S.W. quadrants.

Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist.
and raise a mound of earth 4 ft. base 2 ft. high.
W. of cor

Land rolling.

Soil sandy 3rd rate.

No timber

North Twp. sec. 25 and 30.

Descend N.W. slope over rolling sandy land through
sage and greasewood brush undergrowth and
bunch grass.

Difference ch. measurements of 40.00 chs. by two

sets of chainmen is 04 lbs. position of middle point.

By 1st set 39.98 Chs.

By 2nd set 40.02 Chs. the mean of which is

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap. 14 S 25 on W. half and S 30 on E. half.

Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.

59.00 Foot of descent in depression bears N 40° E and S 40° W drains to S.W. ascend gradually over S.E. slope.

Difference bet. measurements of 80.00 Chs. by two sets of chainmen is 06 lbs. position of middle point.

By 1st set 79.97 Chs.

By 2nd set 80.03 Chs. the mean of which is

80.00 Set an iron post 3 ft. long 3 in. in diam 24 ins. in the ground for cor. of secs. 19, 24, 25 and 30 marked on brass cap. T₂₉N. in N. half. R 12 & S 24 in N.W. R 13 & S 19 in N.E. S 30 in S.E. and S 25 in S.W. quadrants.

Dig pits 18x18x12 ins. in each sec 5 1/2 ft. dist, and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land rolling
Soil sandy 3rd rate.
No timber

North bet. secs 19 and 24

Ascend S.E. slope over rolling sandy land through sage and greasewood bushes undergrowth and bunch grass

Difference bet. measurements of 40.00 Chs. by two sets of chainmen is 05 lbs. position of middle point.

By 1st set 40.02 1/2 Chs.

By 2nd set 39.97 1/2 Chs. the mean of which is

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap. 14 S 24 on W. half and S 19 on E. half

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Dig pits 18 X 18 X 12 in and S of post 3 ft. dia and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.

NOTE At this cor I set off 19° 33' S. on the decl arc and at noon observed the sun on the meridian and obtain a reading of 35° 3 3/4' N. on the lab. arc.

67.00 Top of sand ridge bears N 50° E and S 50° W. desc gently over N.W. slope

Difference bet. measurements of 80.00 Chs. by two sets of chainmen is 06 lbs. position of middle point.

By 1st set. 80.03 Chs.

By 2nd set 79.97 Chs. the mean of which is

80.00 Set an iron post 3 ft. long 3 in. in diam. 24 in. in the ground for cor. of sec 13, 18, 19 and 24 marked on brass cap. T₂₉N in N half, R₁₂ & S₁₃ in N.W. R₁₃ & S₁₈ in N.E. S₁₉ in S.E. and S₂₄ in S.W. quadrant.

Dig pits 18 X 18 X 12 in in each sec. 5 1/2 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.

Land rolling.

Soil sandy 3rd rate

No tin box

North bet. secs. 13 and 18.

Percent N.W. slope over rolling sandy land through sage and greasewood brush, undergrowth and bunch grass.

Difference bet. measurements of 40.00 Chs. by two sets of chainmen is 02 lbs. position of middle point

By 1st set. 39.99 Chs.

By 2nd set 40.01 Chs. the mean of which is

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 13 on W. half and S 18 on E. half.

Dig pits 18 X 18 X 12 in N and S of post 3 ft. dia. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. W. of cor

49.00 Top of descent in depression bears N 35° E and S 35° W. asc. S.E. slope.

Difference bet. measurements of 80.00 Chs. by two

sets of chainmen is 04 lbs. position of middle point

By 1st set, 79.98 Chs.

80.00

By 2nd set 80.02 Chs. the mean of which is
Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18. marked on brass cap T 29 N in N. half, R 12 E S 12 in N.W. R 13 E. S 7 in N.E. S 18 in S.E. and S 13 in S.W. quadrants.
Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land rolling.
Soil sandy 3rd rate.
No timber

North Feb. secs. 7 and 12.

Ascend S.E. slope over rolling sandy land through sage and greasewood beds & undergrowth and bunch grass.

Difference Ch. measurements of 40.00 Chs. by two sets of chainmen is 02 lbs., position of middle point

By 1st set, 40.01 Chs.

40.00

By 2nd set 39.99 Chs. the mean of which is
Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 45 12 on W half and 37 on E. half.

Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

Difference Ch. measurements of 80.00 Chs. by two sets of chainmen is 04 lbs., position of middle point

By 1st set, 80.02 Chs.

80.00

By 2nd set 79.98 Chs. the mean of which is
Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 6, 7, and 12 marked on brass cap T 29 N in N. half, R 12 E S 1 in N.W. R 13 E S 6 in N.E. S 7 in S.E. and S 12 in S.W. quadrants.

Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land rolling.

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Soil sandy 3rd rate.
No timber

North 1/4 sec. 1 and 6.

Acres S.E. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass

Difference bet. measurements of 40.00 chs. by two sets of chainmen is .03 chs. position of middle point

By 1st set. 39.98 1/2 Chs.

By 2nd set. 40.01 1/2 Chs. the mean of which is

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 1 or W. half and S 6 on E half.

Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dist and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is .04 chs. position of middle point.

By 1st set. 79.98 Chs.

By 2nd set. 80.02 Chs. the mean of which is

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of Twp. 29 and 30 N., Rb 12 and 13 E. marked on brass cap T 30 N. in N. half and T 29 N. in S. half, R 12 E S 36 in NW, R 13 E S 31 in NE, R 13 E. S 6 in SE. and R 12 E S 1 in SW. quadrant.

Dig pits 24 x 24 x 12 ins. N. E. and W 4 ft. and S of post. 8 ft. dist. and raise a mound of earth 5 ft. base, 2 1/2 ft. high. S. of cor.

Land rolling.

Soil sandy 3rd rate.

No timber

January 23rd 1911

General Description

Townships 29 N., Ranges 12 and 13 East, are generally high rolling sandy mesa lands producing an abundant growth of bunch grass with very little good agricultural land in either township.

January 23 1911

Van L. White
U.S. Marine

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U.S. Transitman
FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Van L. White ^{BOOK 2524}

U.S. Transitman, ~~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 3rd Guide Meridian E. through Tps 29 N. bet. Rs 12 and 13 E. of the G. & S. R. Base & Mer. Arizona. showing the respective capacities in which they acted:

- George B. Seig and T. Y. White Chainmen.
- Nelson Polacca and Richard L. Shumway Chainmen.
- Harry Keyops Moundman.
- Moundman.
- Aaman.
- Aaman.
- William R. Carson Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Van L. White

U.S. Transitman, ~~United States Deputy Surveyor~~, in surveying all those parts or portions of the 3rd Guide Meridian E. through Tps 29 N. bet. Rs 12 and 13 E.

..... of the Gila and Salt River Basins and meridian, Territory of Arizona, which 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~~ Commissioner of the General Land Office
- George B. Seig and T. Y. White Chainmen.
- Nelson Polacca and Richard L. Shumway Chainmen.
- Moundman.
- Harry Keyops Moundman.
- Aaman.
- Aaman.
- William R. Carson Flagman.

Subscribed and sworn to before me this 23rd day of January 1911 1900



Van L. White
U.S. Transitman

