

(4-679.)

BOOK 2504

FIELD NOTES

OF THE SURVEY OF

The Closing of the Public Land Surveys
upon the
Baca Fleet No 3
in

Tps. 21 S. R. 13- and 14 E.

Tps. 22 S. R. 13 and 15 E.

Tps. 23 S. R. 13, and 14 E.

Of the G. & S. R. 13th Meridian,

AS SURVEYED BY

Philip Centzer, U. S. Deputy Surveyor,

Under his Contract No. 136, dated June 16 1905, 188.

Survey commenced January 8, 1906, 188.

Survey completed January 13, 1906, 188.

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1A

BOOK 2504

Names and Duties of Assistants.

Arthur Pegue Chairman

H.B. Milliken Chairman

Wiley Boy Axaman

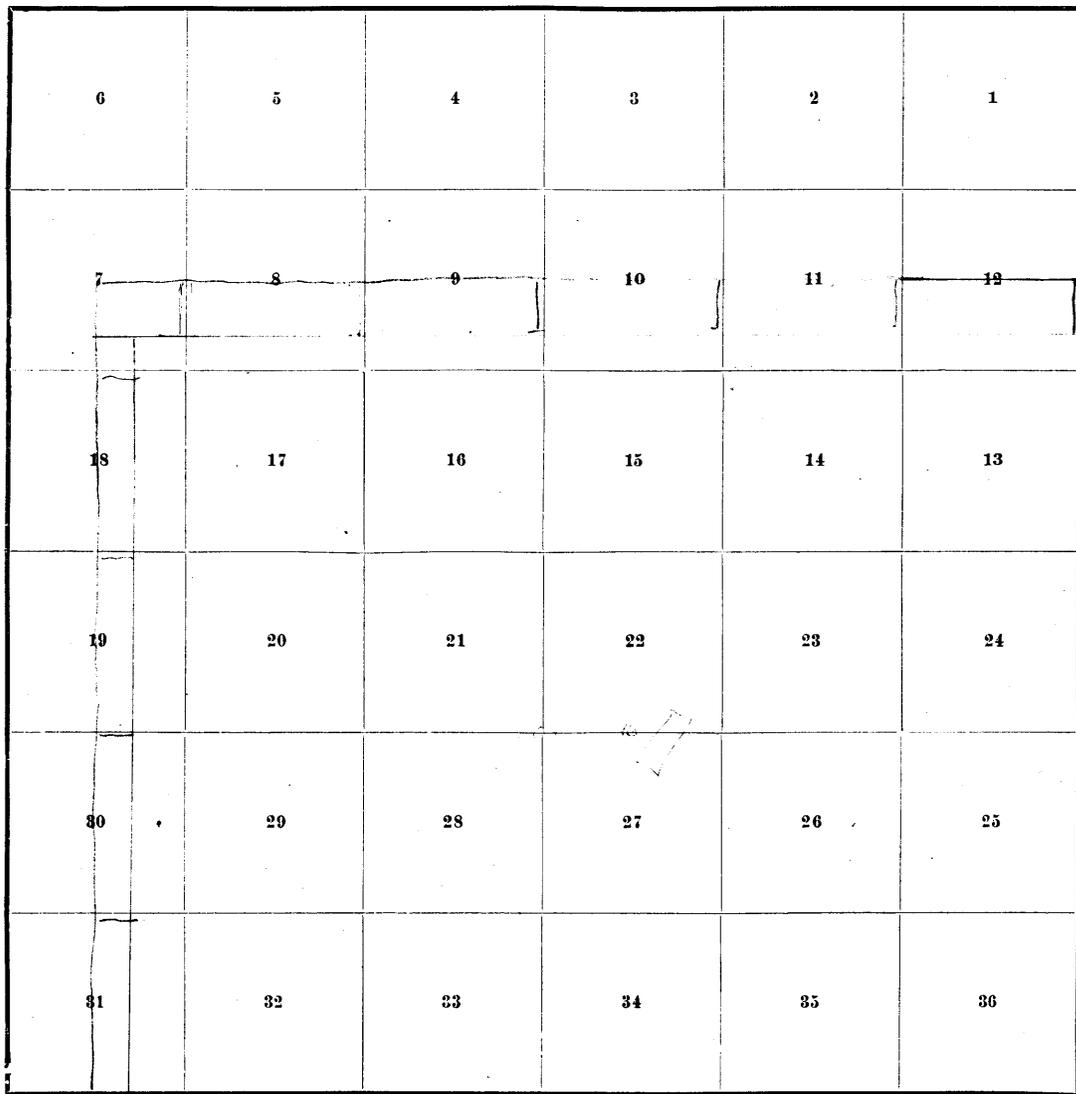
Manuel Salazar Flagman

1B

BOOK 2504

INDEX DIAGRAM.

Township 21 5., Range 13 5.



Meanders Page.....

Also see books of Baca Float # 3

Preliminary Oaths of Assistants.

WE, Arthur Pogue and H. B. Milliken

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 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 certain lines

connecting certain 1/4 sec. corners of sections adjoining the Baca Float # 3, also certain lines of the Tumacacori and San Jose de Sonora grants

Arthur Pogue, Chainman.
H. B. Milliken, Chainman.

Subscribed and sworn to before me this 5th day of January, 188906



W. G. Power
Notary Public, Arizona Territory
My Commission Expires 27th, 1908.

WE, Wiley Box and Manuel Palazar

do solemnly swear that we will well and truly perform the duties of axemen ^{and 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 survey of the certain

lines connecting certain 1/4 sec. corners of sections adjoining the Baca Float # 3 also certain lines of the Tumacacori and San Jose de Sonora grants

Subscribed and sworn to before me this 5th day of January, 188906

Wiley Box, Axeman.
Manuel Palazar, Flagman.

W. G. Power

For description of instrument and solar tests see book of exteriors boundaries of the Baca Float No. 3.

For the purpose of properly platting and calculating the areas of the fractional secs. of the public land adjoining the Baca Float No. 3. I find it necessary to make additional retracements thereof, therefore on, January 8, 1906. I proceed to the $\frac{1}{4}$ sec. cor. bet. secs. 12, T. 21, S. R. 14, E. and sec. 7, T. 21, S. R. 15, E. as described by the surveyor general, whence the C. C. bet. secs. 7 and 12 brs. S. $1^{\circ} 2'$ E. 39.81 chs.

77.59 At said $\frac{1}{4}$ sec. cor. at 8 h. 30 m. A. M. 1. m. t. I set off $31^{\circ} 37'$ N. on the lat. arc. and $22^{\circ} 16'$ S. on the dec'l. arc. and determine a true meridian with the solar. From this $\frac{1}{4}$ sec. cor. the $\frac{1}{4}$ cor. bet. secs. 11 and 12, brs. S. $82^{\circ} 26'$ W. therefore I run s. $82^{\circ} 26'$ W. To the $\frac{1}{4}$ sec. cor. bet. secs. 11 and 12 T. 21, S. R. 14, E. as described by the surveyor general., whence the C. C. bet. secs. 11 and 12, as heretofore described brs. S. $0^{\circ} 35'$ E. 29.58 chs. dist.

90.66 From this $\frac{1}{4}$ sec. cor. the $\frac{1}{4}$ sec. cor bet. secs. 10 and 11 brs. N. $86^{\circ} 32'$ W. therefore I run N. $86^{\circ} 32'$ W. To the $\frac{1}{4}$ sec. cor. bet. secs. 10 and 11. T. 21, S. R. 14, E., as described the the surveuor general., whence the C. C. bet. secs. 10 and 11, as heretofore described brs. S. $0^{\circ} 15'$ W. 35.07 chs. dist.

80.25 From this $\frac{1}{4}$ sec. cor. the $\frac{1}{4}$ cor. bet. secs. 9 and 10 brs. S. $86^{\circ} 20'$ W. therefore I run S. $86^{\circ} 20'$ W. To the $\frac{1}{4}$ sec. cor. bet. secs 9 and 10 T. 21, S. R. 14, E. as described by the surveyor general., whence the C. C. bet. secs 9 and 10 as heretofore described brs. S. $0^{\circ} 15'$ W. 29.94 chs. dist.

80.80 From this $\frac{1}{4}$ sec. cor. the $\frac{1}{4}$ sec. cor. bet. secs brs. N. $89^{\circ} 30'$ W. therefore I run N. $89^{\circ} 30'$ W. To the $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9 T. 21, S. R. 14, E. as described by the surveyor general., whence the C. C. bet. secs. 8 and 9 as heretofore described brs. S. $10'$ E. 30.65 chs. dist.

80.69 Fro, this $\frac{1}{4}$ sec. cor. the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 8 brs. S. $89^{\circ} 57'$ W. therefore I run S. $89^{\circ} 57'$ W. To the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 8 T. 21, S. R. 14, E. as described by the surveuor general. whence the C. C. bet. secs. 7 and 8 as heretofore descri bed brs. S. $0^{\circ} 5'$ E. 30.59 chs. dist.

At this $\frac{1}{4}$ sec. cor. I set off $22^{\circ} 16'$ S. on the dec'l. arc. and at 12 h. 1. m. t. I observe the sun on the meridian the resulting latitude being $31^{\circ} 37'$ N. or within one minute of the proper lat.

80.06 From this cor. the $\frac{1}{4}$ sec. cor. bst. secs. 12. T. 21. S. R. 13. E. and sec. 7 T. 21, S. R. 14, E. brs. S. $88^{\circ} 27'$ W. therefore I run S. $88^{\circ} 27'$ W. To the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 12. as described by the surveyor general., whence the C. C. as heretofore descibed brs. S. $0^{\circ} 11'$ E. 28.50 chs. dist.

80.06 From this $\frac{1}{4}$ sec. cor. the $\frac{1}{4}$ sec. cor. bet. secs 11 and 12 brs. N. $89^{\circ} 25'$ W. therefore I run N. $89^{\circ} 25'$ W. To the $\frac{1}{4}$ sec. cor. bet. secs. 11 abd 12, T. 21, S. R. 13, E. as described by the surveyor general., whence the C. C. as heretofore described brs. S. $0^{\circ} 5'$ E. 29.32 chs. dist.

79.97 From this $\frac{1}{4}$ sec. cor. the $\frac{1}{4}$ sec. cor. bet. secs. 10 and 11 brs. S. $89^{\circ} 42'$ W. therefore I run S. $89^{\circ} 42'$ W. To the $\frac{1}{4}$ sec. cor. nbet. secs. 10 and 11 T. 21, S. R. 13, E. as described by the surveyor general., whence the C. C. bet. secs. 10 and 11 brs. S. $0^{\circ} 2'$ E. 28.90 chs.

79.48 From this $\frac{1}{4}$ sec. cor. the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10 brs. N. $89^{\circ} 39'$ W. therefore I run N. $89^{\circ} 39'$ W. To the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10 T. 21, S. R. 13 E. as described by the surveyor general., whence the C. C. as heretofore described brs. S. $0^{\circ} 10'$ E 29.40 chs.

January 8, 1906.

January 9, 1906. at the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10 at 9 h 30 m. A. M. 1. m. t. I set. off $31^{\circ} 37'$ N. on the lat. arc and $22^{\circ} 8'$ S. on the dec'l. arc. and determine

see sup. notes
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see sup. notes
Page 2

see sup. notes
Page 2

see sup. notes
Page 2

79.68
~~78.88~~

79.04
~~78.84~~

79.53
~~78.23~~

79.92

79.63

79.61

80.98

78.12

80.66

80.53

a true meridian with the solar.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 8 and 9 brs. ~~West~~ therefore I run ~~West~~ ^{88° 30' W} ~~West~~ 88° 30' W. To the 1/4 sec. cor. bet. sec. 8 and 9 T. 21, S. R. 13, E. as described by the surveyor general., whence the C. C. as heretofore described brs. S. 0° 6' E. 29.41 chs.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 7 and 8 brs. ~~N. 89° 52' W.~~ therefore I run ~~N. 89° 52' W.~~ ^{N. 89° 52' W.} To the 1/4 sec. cor. bet. secs 7 and 8 T. 21, S. R. 13, E as described by the surveyor general., whence the C. C. as heretofore described brs. S. 0° 2' W. 30.33 chs.

Thence I proceed to the 1/4 sec. cor. bet. secs. 7 and 18 T. 21, S. R. 13, E. whence the ~~ix~~ C. bet. sec. 7 and 18 as heretofore described brs. S. 89° 40' E. 6. 21 chs. dist.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 18 and 19 brs. S. 0° 33' E. therefore I run S. 0° 33' E. To the 1/4 sec. cor. bet. secs. 18 and 19 T. 21, S. R. 13, E. as described by the surveyor general., whence the C. C. bet. secs 18 and 19 as heretofore described brs. N. 89° 50' E. 5.55 chs. dist.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 19 and 30 brs. S. 0° 12' W. therefore I run S. 0° 12' W. To the 1/4 sec. cor. bet. secs. 19 and 30 T. 21, S. R. 13, E. as described by the surveyor general., whence the C. C. bet. secs. 19 and 30 as heretofore described brs. N. 89° 50' E. 5.82 chs. dist.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 30 and 31 brs. S. 0° 4' W. therefore I run S. 0° 4' W. To the 1/4 sec. cor. bet. secs. 30 and 31 T. 21 S. R. 13, E. as described by the surveyor general., whence the C. C. as heretofore described brs. N. 89° 46' E. 5. 92 chs. Cloudy weather prevented lat observation this day.

January 9, 1906.

January 10 1906: at the 1/4 sec. cor. bet. secs. 30 and 31 T. 21, S. R. 13, E. I set off 31° 34' N. on the lat. arc. and 22° 0' S. on the dec'l. arc. and determine a true meridian with the solar.

From this cor. the 1/4 sec. cor. bet. secs. 31. T. 21, S. R. 13, E. and sec. 6, T. 22, S. R. 13, E. brs. S. 0° 17' E. therefore I run S. 0° 17' E.

To the 1/4 sec. cor. bet. sec. 6 and 31. as described by the surveyor general., whence the C. C. bet. secs 6 and 31 as heretofore described brs: N. 89° 50' E. 5.53 chs.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 6 and 7 brs. S. 0° 15' E. therefore I run S. 0° 15' E. To the 1/4 sec. cor. bet. secs. 6 and 7 T. 22, S. R. 13, E as described by the surveyor general, whence the C. C. as heretofore described brs: N. 89° 53' E. 5.19 chs.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 7 and 18 brs. S. 0° 31' W. therefore I run S. 0° 31' W. To the 1/4 sec. cor. bet. secs. 7 and 18 T. 22, S. R. 13 E. as described by the surveyor general., whence the C. C. as heretofore described brs. N. 89° 51' E. 5. 91 chs. Jany. 10 at this 1/4 sec. cor. I set off 22° 1' S. on the dec'l. arc. and at noon I observe the sun on the meridian the resulting lat. is 31° 31' N. or within one minute of the proper lat.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 18 and 19 brs. S. 0° 13' E. therefore I run S. 0° 13' E. To the 1/4. sec. cor. bet. secs. 18 and 19 T. 22 S. R. 13, E. as described by the surveyor general., whence the C. C. bet. secs. 18 and 19 brs. N. 89° 46' E. 5.60 chs.

From this 1/4 sec. cor. the 1/4. cor. bet. secs. 19 and 30 brs. S. 0° 21' E. therefore I run S. 0° 21' E. To the 1/4 sec. cor. bet. secs. 19 and 30 T. 22. S. R. 13 E. as described by the surveyor general., whence the C. C. bet. secs. 19 and 30 as heretofore described brs. N89° 42'E. 5.12 chs.

From the 1/4 sec. cor. the 1/4 sec. cor. bet. secs 30 and 31 T. 22. S. R. 13, E. brs. S. 0° 33' W. therefore I run S. 0° 33' W.

To the 1/4 sec. cor. bet. secs. 30 and 31 T. 22. S. R.

13. E. as described by the surveyor general., whence the C. C. bet. secs. 30 and 31 as heretofore described brs. S. 89° 47' E. 5. 89 chs. dist.

80.51 From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 31. and 6 brs. S. 0° 4' E. therefore I run S. 0° 4' E. To the 1/4 sec. cor. to sec. 31, T. 23. S. R. 13, E. and sec. 6. T. 23. S. R. 13, E. as described by the surveyor general., whence the C. C. to secs. 6 and 31 brs. East 5.80

79.96 From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 6 and 7 brs. S 0° 4' E. therefore I run S. 0° 4' E. To the 1/4 sec. cor. bet. secs. 6 and 7 T. 23. S. R. 13. E as described by the surveyor general., whence the C. C. bet secs. 6 and 7 as heretofore described brs. N. 89° 51' E. 5.70 chs. dist.

79.92 From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 7 and 18 brs. S. 0° 5' W. therefore I run S. 0° 5' W. To the 1/4 sec. cor. bet. secs. 7 and 18 T. 23. S. R. 13. E. as described by the surveyor general., whence the C. C. bet. secs. 7 and 18 brs. S. 89° 51. E. 5. 81 chs. dist. ✓
January 10, 1906.

Januaury 11. 1906.
At 8h. 40 m. A. M. 1. m. t. I set off 31° 26' N. on the lat. arc. and 21° 51' S' on the dec'l. arc. and determine a true meridian with the solar at the 1/4 sec. cor. bet. secs. 17 and 18. T. 23. S. R. 13. E. whence the C. C. nbet. secs. 17 and 18 N. 0° 3' W. 12.56 chs.

80.01 From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 16 and 17 brs. S. 89° 56' E. therefore I run S. 89° 56' E. To the 1/4 sec. cor. bet. secs. ¹⁶ ~~17~~ and ¹⁷ 18. T. 23. S. R. 13. E. as described by the surveyor general., whenc the C. C. bet. secs. 16 and 17 ~~brs.~~ as heretofore described brs. N. 0° 2' W. 12. 65 chs. dist.

79.58 From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 15 and 16 brs. N. 89° 44' E. therefore I run N. 89° 44' E. To the 1/4 sec. cor. bet. secs. 15 and 16. T. 23. S. R. 13. E. as d-scribed by the surveyor general., whence the C. C. bet. secs. 15 and 16 as heretofore descried brs. N. 0° 2' W. 12.28 chs. dist.

79.40 From this 1/4 sec. cor the 1/4 sec. cor. bet. secs 14 and 15 brs. ~~S. 89° 55' E.~~ therefore I run ~~S. 89° 55' E.~~ To the 1/4 sec. cor. bet. secs. 14 and 15 T. 23. S. R. 13. E. as described by the surveyor general., whence the C. C. as heretofore described brs. N. 0° 1' W. ~~12.39 chs.~~ *make only*

79.86 From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 13 and 14 brs. ~~N. 89° 54' E.~~ therefore I run ~~N. 89° 54' E.~~ To the 1/4 sec. cor. bet. secs. 13 and 14. T. 23. S. R. 13. E. as described by the surveyor general., whence the C. C. bet. secs. 13 and 14. brs. N. 00 1' W. 12. 26 chs. *make only*

79.86 January 11. 1906. at this 1/4 sec. cor. I set off 21° 51' S. on the dec'l. arc. and at noon observe the sun on the meridian , the resulting lat. being 31° 26' N. or within one minute of the proper lat . . .

79.86 From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 13. T. 23. S. R. 13. E. and sec. 18. T. 23. S. R. 14. E. brs. East therefore I run East To the 1/4 sec. cor. bet. secs. 13 and 18 as described by the surveyor general., whence the C. C. bet. secs. 13 and 18 brs. North 12. 25 chs. dist.

79.82 From this 1/4 sec. cor. the 1/4 se . cor. bet. secs 17 and 18 brs. N. 89° 53' E. therefore I run N. 89° 53' E. To the 1/4 sec. cor. bet. secs. 17 and 18 T. 23. S. R. 14 E. as described by the surveyor general., whence the C. C. bet. secs. 17 and 18 brs. N. 0° 3' W. 12.10 chs.

79.19 From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs 16 and 17 brs. N. 89° 55' E. therefore I run N. 89° 55' E. To the 1/4 sec. cor. bet. secs. 16 and 17. T. 23. S. R. 14. E. as described by the surveyor general., whence the C. C. bet. secs. 16 and 17. brs. N. 0° 2' W. 12.00 chs.

From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 15 and 16 brs. N. 89° 51' E. therefore I run N. 89° 51' E.

(4)

- 79.81 To the 1/4 sec. cor. bet. secs. 15 and 16 T. 23. S. R. 14 E. as described by the surveyor general., whence the C. C. bet. secs. 15 and 16 brs. N. $0^{\circ} 2'$ W. 11.78 chs.
From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 14 and 15 brs. N. $87^{\circ} 56'$ E. therefore I run N. $87^{\circ} 56'$ E.
- 78.98 To the 1/4 sec. cor. bet. secs. 14 and 15 T. 23. S. R. 14. E. as described by the surveyor general., whence the C. C. bet. secs. 14 and 15 as heretofore described brs. N. $0^{\circ} 1'$ W. 8.90 chs. dist.
From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 13 and 14 brs. S. $89^{\circ} 59'$ E. therefore I run S. $89^{\circ} 59'$ E.
- 79.56 To the 1/4 sec. cor. bet. secs. 13 and 14. T. 23. S. R. 14. E. as described by the surveyor general., whence the C. C. bet. secs. 13 and 14 as heretofore described brs. N. $0^{\circ} 5'$ E. 8.92 chs. dist.
From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 13 T. 23 S. R. 14. E. and sec. 18 T. 23. S. R. 15. E. brs. S. $89^{\circ} 51'$ E. therefore I run S. $89^{\circ} 51'$ E.
- 80.56 To the 1/4 sec. cor. bet. secs. 13 and 18 as described by the surveyor general., whence the C. C. bet. secs. 13 and 18 as heretofore described brs. North 9.12 chs.
Jany. 11. 1906.
January 12, 1906.
At 8 h. 40 m. A. M. I. m. t. set off $31^{\circ} 28'$ N. on the lat. arc. and $21^{\circ} 41'$ S. on the dec'l. arc. and determine a true meridian with the solar at the 1/4 sec. cor. bet. secs. 29 and 32 T. 22. S. R. 15. E. whence the C. C. bet. secs. 29 and 32 ~~brs.~~ as heretofore described brs. N $89^{\circ} 05'$ W. 29.51 chs.
From this 1/4 sec. cor. the 1/4 sec. cor. bet. secs. 32. T. 22. S. R. 15. E. and sec. 5. T. 23. S. R. 15. E. brs. S. $0^{\circ} 17'$ E. therefore I run S. $0^{\circ} 17'$ E.
- 77.04 To the 1/4 sec. cor. bet. secs. 5 and 32. as described by the surveyor general., whence the C. C. bet. secs. 5 and 32. brs. N. $89^{\circ} 43'$ W. 29.90 chs.
From the 1/4 sec. cor. bet. secs. 17 and 20 T. 22. S. R. 15. E. I run N. $89^{\circ} 50'$ W. 29.95 chs. to the C. C. bet. secs. 17 and 20 as heretofore described. said 1/4 sec. cor. bet. secs. 17 and 20 being as described by the surveyr general.

Handwritten notes in the left margin:

- 79.81
- 78.98
- 79.56
- 80.56
- 77.04

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In order that the fractional parts of Section 18, T. 23 S., R. 13 E., might be properly platted and the areas calculated I proceed on January 12th, 1906 to the $\frac{1}{4}$ sec. cor. between secs. 17 & 18 ^{as here before described} of said township and at 9 h. 35 m. a.m. l.m.t., I set off $31^{\circ}26'N$ on the latitude arc and $21^{\circ}41'S$ on the decl. arc and determine a true meridian with the solar

Thence I run

S. $89^{\circ}-46'W$.

39.67

To the center point of sec. 18, T. 23 S., R. 13 E., from which point the $\frac{1}{4}$ sec. cor. between secs. 7 & 18 of T. 23 S., R. 13 E., bears N. $0^{\circ}-3'W$. 40 chains distant. And the $\frac{1}{4}$ sec. cor. between secs. 18 & 19, ^{as here before described} T. 23 S., R. 13 E. bears S. $0^{\circ}-3'E$. And the $\frac{1}{4}$ sec. cor. between sec. 18, T. 23 S., R. 13 E. and sec. 13, T. 23 S., R. 12 E. bears S. $89^{\circ}-46'W$.

January 12 th, 1906.

January 13th. 1906

In order that the fractional parts of Section 7, T. 21 S., R. 13 E. might be properly platted and the areas calculated I proceed on January 13 th. to the $\frac{1}{4}$ sec. cor. between secs. 7 & 8, T. 21 S., R. 13 E. ^{as here before described} and at 9 h. a.m. l.m.t., I set off $31^{\circ}-37'N$ on the lat. arc and $21^{\circ}51'S$ on the decl. arc and determine a true meridian with the solar.

Thence I run

S. $89^{\circ}-5'W$.

40.34 v

To the center point of section 7, T. 21 S., R. 13 E., from which center point the $\frac{1}{4}$ sec. cor. between secs. 6 & 7, T. 21 S., R. 13 E. bears N. $0^{\circ}-28'E$. and The $\frac{1}{4}$ sec. cor. between secs. 7 & 18, T. 21 S., R. 13 E. ^{as here before described} bears S. $0^{\circ}-28'W$. 40.60 chs. dist. and The $\frac{1}{4}$ sec. cor. between sec. 7, T. 21 S., R. 13 E. and sec. 12, T. 21 S., R. 12 E. bears S. $89^{\circ}-5'W$.

January 13th. 1906.

Philip Contzen
U. S. Deputy Surveyor

Also see oaths of Baca Float #3

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List of Names.

BOOK 2504

6

A list of the names of the individuals employed by

Philip Contzen

, U. S. Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of the certain lines connecting certain 1/4 sec. corners of sections adjoining the Baca Float #3, also certain lines of the Tumacacori and San Jose de Sonvita grants

Meridian, in

, showing

the respective capacities in which they acted:

Arthur Poque, chairman
H. B. Milliken, chairman
Wiley Boyl, axeman
Manuel Salazar, flagman

Final Oath of Assistants:

We hereby certify that we assisted

Philip Contzen

, U. S. Deputy Surveyor, in surveying all

those parts or portions of the certain lines connecting certain 1/4 sec. corners of sections adjoining the Baca Float #3, also certain lines of the Tumacacori and San Jose de Sonvita grants

Meridian,

, 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 U. S. Surveyor General for

Arthur Poque, chairman ✓

H. B. Milliken, chairman ✓

Wiley Boyl, axeman ✓

Manuel Salazar, flagman ✓

Subscribed and sworn to before me this

11th

day of

August 1906



H. G. Power

Surveyor General, Territory of New Mexico

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BOOK 2504

Also see each of Baca Float #3

Final Oath of U. S. Deputy Surveyor.

I, Philip Contzger, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from Frank S. Ingalls, U. S. Surveyor General for Arizona, bearing date of the 12th day of June, 1898, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Arizona, the surveying manual, and the laws of the United States, surveyed all those parts or portions of certain lines connecting certain 1/4 sec. corners of certain secs adjoining the Baca Float #3 also certain lines of the Tumacacori and Sonora grants Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by me, and under my directions, and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the U. S. 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.

Philip Contzger
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 17th day of August 1898



Walter Jaynes
CLERK U. S. DISTRICT COURT FOR
FIRST JUDICIAL DISTRICT, ARIZONA.

Approval.

Office of the U. S. Surveyor General,

Phoenix, Ar. Oct. 31, 1906

The foregoing field notes of the survey of retracement of certain lines connecting certain 1/4 sec. cor and the closing lines of the Public Land surveys in Tps 21 S. R. 13 N. 14 E. T 22 S. R. 13 and 15 E. and T 23 S. R. 13 & 14 E. of the G & R B & M, territory of Arizona

executed by _____
under his Contract No. 136, dated June 17, 1905, 1898, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

BOOK 2504

Supplemental FIELD NOTES

OF THE SURVEY OF THE

*Resetting of certain corners in Surveys
under Contract No. 136.*

Of the *G & Z R B & M* Meridian,

Territory of Arizona

AS SURVEYED BY

Philip Leontzen, United States Deputy Surveyor,

Under his Contract No. *136*, dated *June 10th*, 1905

Survey commenced *Feb. 23rd*, 1907

Survey completed *Feb. 25th*, 1907

NAMES AND DUTIES OF ASSISTANTS.

Geo. J. Ehrenborg

Chairman

C. B. Neiswender

"

Jose Maria Peralta

Moundman

Flagman

BOOK 2504

INDEX DIAGRAM.

Township _____, Range _____

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

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, Geo. G. Ehrenborg and C. B. Neiswender
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 resetting certain corners in surveys executed under Contract No. 13

Geo. G. Ehrenborg, Chainman.

C. B. Neiswender, Chainman.

Subscribed and sworn to before me this 27th
day of February, 1907

Philip Couzler
U. S. Deputy Surveyor
No notary available



~~WE~~, I, Jose Maria Peratta and flagman
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of resetting certain corners in surveys executed under Contract No. 136

....., Moundman.

Jose Maria Peratta, Moundman.

Subscribed and sworn to before me this 23rd
day of February, 1907

Philip Couzler, Flagman
U. S. Deputy Surveyor
No notary available



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,, 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

....., Flagman.

Subscribed and sworn to before me this
day of, 190



RESETTING CERTAIN CORNERS AND VERIFYING

CERTAIN LINES SURVEYED UNDER CONTRACT NO. 136.

At the 46 mile cor. on the East boundary of Baca Float No. 3, Feb. 23, 1907, at 9:30 a.m., l.m.t., I set off 31° 33' N on the lat. arc and 10° 3' S. on the decl. arc and determine a true meridian with the solar.

Thence I run West along the South boundary of the Mineral Segregation, and I find said line to bear E. and W. Further, I tighten the 1 mile and 1 1/2 mile cornerstones and reblaze as far as the 2 mile corner.

Thence I proceed to blaze the 46th and 47th miles.

Thence I proceed to the 5 mile corner where I mark bearing trees M S B F No 3 5 M B T.

Thence from the 5 mile corner I run along the West boundary of the Mineral Segregation and destroy all mounds and corners found East of this line.

Thence I check closings on the South boundary of fractional secs. 10 and 11, which agree with those described in my field notes. Feb. 23, 1907.

At closing corner to secs. 10 and 11, T. 21 S., R. 13 E. Feb. 24, 1907, at 9:15 a.m., l.m.t., I set off 31° 37' N on the lat. arc and 9° 41' S. on the decl. arc and determine a true meridian with the solar.

28.90 Thence I run N. 0° 2' W. bet. secs. 10 and 11. To a point where I reset 1/4 sec. cor. which is a granite stone 18 x 18 x 8 ins., set 12 ins. in the ground, marked "1/4" on W. face, and rebuild mound of stone 2 ft. base, 1 1/2 ft. high.

28.41 Thence I proceed to closing corner of secs. 8 and 9, T. 21 S., R. 13 E., and run N. 0° 6' W. To old 1/4 sec. cor. and reset same, stone 18 x 8 x 6 ins., set 12 ins. in the ground, marked "1/4" on W. face, and rebuild mound of stone 2 ft. base, 1 1/2 ft. high.

From this cor., 1/4 sec. cor. bet. secs. 9 and 10 brs. 79.68 chs. instead of 78.68 chs.

Thence I proceed to the closing cor. on the East boundary of Tubac Townsite, which brs. from the 1 1/2 mile cor. W. 22.20 chs. At this point I re-establish the closing cor. as described in my official field notes. I find this cor. stone lying on the ground some distance away. From this cor. an elder tree 24 ins. diam. marked T T S-B T and a mesquite tree 5 ins. diam. marked T T S-B T br. S. 80° E. .93 chs. and N. 8 1/2° W. .94 chs. respectively.

~~The S. E. cor. of Tubac Townsite brs. from this closing cor. S. 30.30 chs. The S. E. cor. is not where the examiner designates it on the plat.~~

30.33 From the closing cor. of secs. 7 and 8, T. 21 S., R. 13 E., I run N. 0° 2' E. To old 1/4 sec. cor. and reset same, which is a granite stone 18 x 10 x 8 ins., set 12 ins. in the ground, marked "1/4" on W. face, and rebuild mound of stone 2 ft. base, 1 1/2 ft. high.

The closing distances of secs. 10 and 11, 9 and 10, 7 and 8, are as reported in my field notes. The closing distances bet. secs. 8 and 9 is 2.91 chs. instead of 1.91 chs.

see book B page 1.

see my notes page 9. Book A.

see my notes page 10.

see my notes page 10.

see my notes page 9.

The 1/4 sec. cor. bet. secs. 8 and 9, T. 21 S., R. 13 E.,
brs. from 1/4 sec. cor. bet. secs. 7 and 8, S. 89° 40' E.,
79.04 chs. instead of 79.84 chs.

Feb. 24, 1907.

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Reset old 1/4 sec. cor. bet. secs. 7 and 18, T. 21 S., R. 13 E.,
which is a granite stone 18 x 18 x 8 ins., set
12 ins. in the ground, marked "1/4" on N. face, and
rebuild mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
From this cor., closing cor. of secs. 7 and 18 brs.
S. 89° 41' E. 6.21 chs.

At 9h 50m a.m., l.m.t., I set off 21° 37' on the lat arc
and 9° 19' S. on the decl. arc and determine a true
meridian with the solar at 13 1/2 mile cor.

Thence I run S. 0° 3' 11" E.

+ 7.39 To closing cor. bet. secs. 18 and 19, T. 21 S., R. 13 E.

+ 40.00 To 14 mile cor. which is a stone as described in my
field notes, from which a mesquite 30 ins. diam. marked
B F No 3 1/4 M B T, brs. S. 12° E. 86 lks.

A mesquite 24 ins. diam. marked T. 21 S., R. 13 E. S.
19. 14 M B T brs. S. 59° W. 80 lks.

+ 46.09 To closing cor. on North byd. of Tumacacori Grant, which
is a stone described in my field notes.

Thence from 1/4 sec. cor. bet. secs. 18 and 19, 1/4 sec. cor.
bet. secs. 19 and 20, brs. S. 0° 19' W. 79.55 chs.

Thence from 15 mile cor. I continue S. on the W. bdy. and
replaze same for 2 miles.

Thence from the 24th mile cor. on W. bdy. I run E. 0° 3'
11" E. and measure to the 21 1/2 mile cor. which I find
the same to be 40 chs. distant.

The distance and bearing bet. 1/4 sec. cor. bet. secs. 6
and 18, is S. 0° 5' W. 79.92 chs.

from the closing cor. of secs. 14 and 15,
R. 13 E. on the S. bdy is 11.43 chs. to 1/4 sec. cor.

The course of the line from the 1/4 sec. cor. bet. secs.
14 and 15 to the 1/4 sec. cor. bet. secs. 13 and 14, brs. S.
89° 14' E. 79.86 chs.

The course of the line from the 1/4 sec. cor. bet. secs.
14 and 15 to the 1/4 sec. cor. bet. secs. 15 and 16 brs.
S. 89° 25' W. 79.40 chs,

From the S. W. cor. of Baca Float No. 3, W. as far as the
30 mile cor. all cors. were visited by me and those
appearing to be loose, I properly reset.

Feb. 25, 1907.

Philip Contzen

U. S. Deputy Surveyor.

see book B.
page 2.

see book B.
orig notes page 2

See supplemental notes filed
June 21, 1907. Book a
page 1

see book B.
page 3.
see book B.
page 3.
see book B.
page 3.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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BOOK 2504

LIST OF NAMES.

A list of the names of the individuals employed by Philip Contzen,
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 resetting
certain corners in surveys executed under Contract #136,
showing the respective capacities in which they acted:

Geo. G. Shuborg, Chairman.

C. B. Neiswender, Chairman.

Jose Maria Peratta, Moundman.

Moundman.

Arman.

Arman.

Jose Maria Peratta, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Philip Contzen,
United States Deputy Surveyor, in surveying all

those parts or portions of the resetting of certain corners in
surveys executed under Contract No. 136.

of the

meridian, of 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

Geo. G. Shuborg, Chairman.

C. B. Neiswender, Chairman.

Moundman.

Jose Maria Peratta, Moundman. & flagman

Arman.

Arman.

Flagman.

Subscribed and sworn to before me this 4th
day of March, 1907

Philip Contzen
U. S. Deputy Surveyor
No notary available



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BOOK 2504

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Philip Contzen United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 12th day of June, 1905, 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 Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of resetting certain corners in surveys executed under Contract No. 136.
of the
meridian, in the of, which 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 survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written 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 original field notes of such survey.

Philip Contzen
United States Deputy Surveyor.

Subscribed by said Philip Contzen and sworn to before me }
this 5th day of April 1907

Allan B. Hughes
CLERK U. S. DISTRICT COURT FOR
FIRST JUDICIAL DISTRICT, ARIZONA.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ar. Sept 13", 1907
The foregoing ^{supplemental} field notes of the survey of the Base Line N^o 3 and closing lines thereon, Gila and Salt River Base and Meridian territory of Arizona.

executed by Philip Contzen, U. S. deputy Surveyor under his contract No. 136, dated June 12", 1905, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in
, has been correctly copied from the original notes on file in this office.

United States Surveyor General.