

Standard
BOOK "L"

2518

FIELD NOTES

BOOK 2518

RETRACEMENT & RESURVEY
OF THE ~~SURVEY~~ OF THE

High Guide Meridian East, through ^{North 1/2 of} Sec. No.
24 No. Twp. R's 20 and 21 East.

of the Gila and Salt River Base and Meridian.

in the Territory of Arizona

EXECUTED
AS ~~CONTAINED~~ BY

Sidney E. Blouh. United States ^{Examiner of Surveys} ~~Deputy Surveyor~~

Special Instructions from the Commissioner of the General Land Office
Under ~~his~~ Contract No. _____, dated Dec. 2nd 1907 and May 15th 1908

Retracement & Re-Survey commenced June 22nd _____, 1910

Retracement & Re-Survey completed June 22nd _____, 1910

NAMES AND DUTIES OF ASSISTANTS.

Fred L. Warner

Chairman

Charles A. Dutton

Chairman

P. Y. White

Chairman

Vand L. White

Chairman

Jack Nes

Woundman

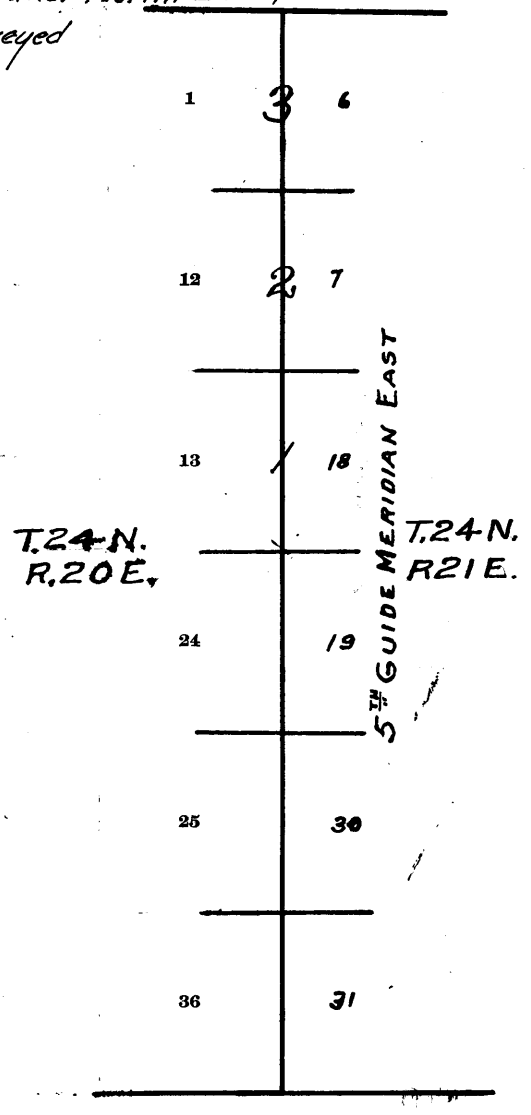
William R Carson

Flagman

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INDEX DIAGRAM.

Township _____, Range 6th Std. Parallel North. 2514
Resurveyed



Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

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WE, Fred L. Warner, Charles A. Dutton, N. Y. White, and Van L. White.

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 ^{retacement & re-}survey of

5th Guide Meridian East thru N^os of T^h 24 N. T^h R^os 20 and 21 E. of the G. & S. R. Base & Mer. Arizona

J. Y. White, and Fred L. Warner, Chainmen.
Van L. White, and Charles A. Dutton, Chainmen.

Subscribed and sworn to before me this 21st day of June, 1910



Sidney E. Blouh
U.S. Examiner of Surveys

I, Jack Mey, and

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 ~~our~~ ^{my} skill and ability, in the ^{retacement & re-}survey of

5th Guide Meridian East thru N^os of T^h 24 N. T^h R^os 20 and 21 E. of the G. & S. R. Base & Mer. Arizona.

Jack Mey, Moundman.
Jack Mey, Moundman.

Subscribed and sworn to before me this 21st day of June, 1910



Sidney E. Blouh
U.S. Examiner of Surveys

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 _____, 19____



I, William P. 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

^{retacement & re-}survey of the 5th Guide Meridian East thru N^os of T^h 24 N. T^h R^os 20 and 21 E. of the G. & S. R. Base & Mer. Arizona.

William P. Carson, Flagman.

Subscribed and sworn to before me this 21st day of June, 1910



Sidney E. Blouh
U.S. Examiner of Surveys

Retracement and Recovery of the 5th Guide Meridian East through Twp 24 North, R. 20 East. Chains

Survey commenced June 22nd 1910 and executed with a Young and Sons light mountain transit No. 10. with a Smith Solar attachment. The horizontal limb being 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 and declination arcs.

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Examined the adjustments of the transit and find them perfect, and know from recent tests of 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, that the instrument is in satisfactory adjustment.

For last complete test of instrument, see the field notes of the survey of the Subdivision line of Twp 25 N., R 20 East. in Subdivisional Book "D"

Began at the ^{old} cor. of sec. 13, 18, 19 and 24, on E. side of Twp 24 N., R 20 E., which is a sand stone 12x5x3 ins. above ground. loosely set, marked and witnessed as described in the original field notes furnished me by the Surveyor General. Latitude 35° 27' 59" N., Longitude 110° 16' W.

This cor. being in a state of dilapidation, I destroy all evidence of the old cor. and re establish it in the same place as follows; Set a basal stone 14x12x8 ins. 10 ins. in the ground for cor. of sec. 13, 18, 19, and 24 marked with 3. notches on N. and S. edges. from which.

A fir or pine 6 ins. in diam. bear N 22 1/4° E 111 lbs. dia. marked T 24 N., R 21 E. S 18 B.T.

A Cedar 18 ins. in diam bear S 51° E, 68 lbs. dia., marked T 24 N., R 21 E. S 19 B.T.

A fir or pine 5 ins. in diam. bear S 53 1/4° W, 85 lbs. dia. marked T 24 N., R 20 E. S 24 B.T. and

The old bearing tree, which is a Cedar 8 ins. in diam. bear N 15° W, 37 lbs. dia. marked 59 M. T XXIV N., R XX W S XIII B.T.

At 7^h 05^m a.m. ^{1.m.t.} set off 35° 28' N. on the lat. arc. 23° 28' N. on the decl. arc and determine a meridian with the solar at this cor. thence I run

North on a random line bet. sec. 13 and 18.

Difference bet. measurements of 40.00 chs. by two sets of chains is 08 lbs. position of middle point

By 1st set - 39.96 chs.

By 2nd set - 40.04 chs. the mean of which is

40.00 Fall 06 lbs. W. of the old 1/2 sec. cor. which is a Cedar post.

on true line bet. secs. 13 and 18
 } return to the re-established cor. of secs. 13, 18, 19 and 24, hereinbefore described, and resurvey N. 0° 5' E. descending over heavily rolling land.
 40.00 Intersect the re-established 1/4 sec. cor. hereinbefore described. From this 1/4 sec. cor. 1 resurvey N. 0° 39' W. 2.00, Dry wash, course
 N.E. 8.00 Dry wash, course S.E. 21.50 Ridge, bears N.W. an S.E. descend. 38.25, Ravine, course, S.E. ascend. 40.10 Intersect the re-established
 corner of secs. 7, 12, 13 and 18, hereinbefore described. Land, heavily rolling. Soil, stony, 3rd rate. Timber, scattering cedar.

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3th long, 3 ins sq. greatly decayed, marks almost obliterated with trace of pits and mounds.

Destroy all evidence of the old corner and re establish it in the same place as follows; Set a Cedar post 3th long, 4 ins. sq., 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 13 on W. face and S 18 on E. face, from which.

A cedar 24 ins. in diam. bears S 70 1/2° E 148 lks. dist. marked 1/4 S 18 B.T.

A cedar 10 ins. in diam. bears S 84 1/2° W. 110 lks. dist. marked 1/4 S 13 B.T.

Course ^{and dist} of line back to the reestab. cor. of secs. 13, 18, 19 & 24 is S. 0° 5' W., 40.00 chs.

Begin at the above described reestab. 1/4 sec. cor. and measuring from same run on a random line North between secs. 13 and 18 on N. half mile Difference between measurements of 40.10 Chs. by two sets of chainmen is 10 lks., position of middle point

By 1st Set. 40.05 Chs.

By 2nd Set 40.15 Chs. the mean of which is

40.10 Fall 10 lks. E of the ^{old} cor. of secs. 7, 12, 13 and 18. which is a Sand Stone 12x12x7 ins above ground, loosely set, marks almost entirely obliterated, with no corner accessories.

Destroy all evidence of the original corner and re establish it in the same place as follows; Set a fir or pine post 3th long, 5 ins. sq., 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18, marked T 24 N. 37 on N.E., R 21 E. S 18 on S.E., S 13 on S.W. and R 20 E. S 12 on N.W. face. with 3 notches on N. and 4 notches on S. edges, from which.

A cedar 28 ins. in diam. bears N 38° E, 80 lks. dist. marked T 24 N, R 21 E. S 7 B.T.

A cedar 14 ins. in diam. bears S 85° E, 28 lks. dist. marked T 24 N, R 21 E. S 18 B.T.

A fir or pine 10 ins. in diam. bears S 45° W 95 lks. dist. marked T 24 N, R 20 E S 13 B.T. and

A cedar 12 ins. in diam. bears N 42 3/4° W 90 lks. dist. marked T 24 N, R 20 E. S 12 B.T.

Course ^{and dist} of line back to the reestab. 1/4 sec. cor. hereinbefore described is S. 0° 9' E., 40.10 chs.

North, on a random line bet. sec. 7 and 12.

Difference bet. measurements of 40.15 Chs. by two sets of chainmen is 06 lks., position of middle point

By 1st Set. 40.18 Chs.

By 2nd Set. 40.12 Chs. the mean of which is

40.15 Fall 08 lks. E of the old 1/4 sec. cor. which is a malap. stone 8x6x5 ins. above ground. loosely set in a mound of stone marked 1/4 on W.

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with face, with no corner accessories.
I destroy the old cor. and reestablish it in the same place as follows. Set a malapi stone 12x10x6 ins., 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on W face, from which.

A Cedar 12 ins. in diam. bears S 51 1/2° E. 30 lks. dist. marked 1/4 S 7 B.T.
A pine 8 ins. in diam. bears S 34 1/4° W 75 lks. dist. marked 1/4 S 12 B.T.
Course ^{and dist.} of line back to the ^{re-estab.} cor. of sec. 7, 12, 13, and 18, ^{hereinbefore described} 15 S 0° 07' E., 40.15 chs.

Begin at the re-estab. 1/4 sec. ^{can} above described and measuring from same, run on a ^{random line North between sec. 7 and 12 on N. half mile} Difference bet. measurements of 40.12 chs. by two sets of Chained is 08 lks. position of middle point.

By 1st Set. 40.16 chs.

By 2nd Set. 40.08 chs. the mean of which is.

40.12

Set 28 lks. W. of the ^{old} cor. of sec. 1, 6, 7, and 12 which is a malapi stone in place 4x3x2 ft. above ground, marked with a cross (+) for exact cor. point, with 1 groove N. and 5 grooves S. of cross from which.

A Cedar 14 ins. in diam. bears S 74 3/4° W 45 lks. dist. marked 5 G.M. T. XXIV N., R. XX E. S XII B.T.

I reestablish this cor. as follows; I re-mark the cross and grooves on the same stone, for cor. of sec. 1, 6, 7, and 12 from which.

A Cedar 12 ins. in diam. bears N 17 1/2° E. 61 lks. dist. marked T 24 N., R 21 E. S 6 B.T.

A Cedar 8 ins. in diam. bears S 46° E. 56 lks. dist. marked T 24 N., R 21 E. S 7 B.T.

The old bearing tree a cedar 14 ins. in diam. bears S 74 3/4° W 45 lks. dist. marked T XXIV N., R XX E. S XII B.T. No other trees available

Raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. ^{its impracticable} Course ^{and dist.} of line back to the re-estab. 1/4 sec. cor. ^{hereinbefore described} 15 S. 0° 24' W., 40.12 chs.

NOTE

At this cor. I set off 23° 27' N. on the decl. arc, and at noon observed the sun on the meridian and obtain a reading of 35° 30' N. on the decl. arc

North on a random line bet. sec. 1 and 6.

Difference bet. measurements of 40.00 chs. by two sets of Chained is 04 lks., position of middle point &

By 1st Set. 40.02 chs.

By 2nd Set. 39.98 chs. the mean of which is.

40.00

I make a diligent search for the old 1/4 sec. cor. which I am unable to find.

Difference between measurements of 81.34 chs. by two sets of Chained is 06 lks. position of middle point.

By 1st Set. 81.37 chs.

I return to the re-established cor. of sec. 7, 12, 13 and 18, hereinbefore described, and resurvey. N. 0° 7' W. on true line, bet. sec. 7 and 12. Ascending over rough hilly land, thru scattering timber. 3.18 Spur bears N.W. and S.E. descend. 10.50 Dry wash, course E. ascend. 40.15. Intersect the re-established 1/4 sec. cor. hereinbefore described. From this 1/4 sec. cor. I resurvey N. 0° 24' E. 33.20 Ridge bears N.W. and S.E. descend. 40.12. Intersect the re-established cor. of sec. 1, 6, 7 and 12, hereinbefore described. Land, rough and hilly. Soil, rocky. 3rd and 4th rate. Timber, scattering cedar.

Retraiment and Recovery of the 5th Guide Meridian East through ^{N 1/2 of} Twp 24 N., Rb. 20 and 21 East. Chains

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- 81.34 By 2nd Set. 81.31 Chs. the mean of which is
 Full 130 lbs. W. of the ^{old} Closing Cor. of Twp 24 N., Rb 20 and 21 E. which
 is a cedar post 4 ft. long, 3 in. sq., greatly decayed, marked C.C. on
 S. face, TXXIV N., RXXI E. S VI on E. and TXXIV N., RXX E. S I on W.
 face. with 6 grooves on E. S. and W. faces from which.
 A pine 10 in. in diam. bears S 62 1/2° E 253 lbs. dish marked TXXIV N.
 RXXI E S VI B.T. and
 A cedar 12 in. in diam bears S 54° W. 47 lbs. dish, marked
 TXXIV N., RXX E. S I B.T.
 Reestablish the ^{closing} Cor. as follows; Identify the old post and set
 a barab. stone 20 x 14 x 8 in. in the same place, 15 in. in the
 ground. for Closing Cor. of Twp 24 N., Rb 20 and 21 E., marked
 C.C. on S. face. with 6 grooves on E. S. and W. faces. from which.
 the old bearing trees:
 A pine 10 in. in diam. bears S 62 1/2° E 253 lbs. dish marked TXXIV N.
 RXXI E. S VI B.T.
 A cedar 12 in. in diam. bears S 54° W 47 lbs. dish. marked TXXIV N.
 RXX E. S I B.T.
 Course and dist. of line back to the re-estab. cor. of secs. 1, 6, 7, & 12 hereinbefore described is
 S. 0° 55' W., 81.34 chs.
 Through the above C.C. ^{re-established} the ^{re-established} 1/4 sec. cor. on S. side of sec 36. T 25 N., R 20 E
 described in Standard Book "H"
 bears S 89° 51' E 14.81 Chs. dish.
 Return to the ^{re-estab.} Cor. of secs. 1, 6, 7, and 12, ^{hereinbefore described} and recovery the two bet.
 sec. 1 and 6 as follows:
 N 0° 55' E on a true line bet. sec. 1 and 6.
 Desc. N.E. slope over stony hilly land. through scattering cedar timber.
 1.50 Dry ravine course S.E. asc.
 5.00 Top of ridge bears N.E. and S.W. desc.
 Difference bet. measurements of 40.01 Chs. by two sets of chains in
 0.2 lbs. position of middle point.
 By 1st Set. 40.03 Chs.
 By 2nd Set 39.99 Chs. the mean of which is
 40.01 Chs. a barab. stone 14 x 12 x 8 in. 10 in. in the ground for ^{re-estab.} 1/4
 sec. cor. marked 1/4 on W. face from which.
 A cedar 8 in. in diam. bears N 83 1/2° W. 91 lbs. dish marked 1/4 S I B.T.
 A cedar 14 in. in diam. bears S 73 1/2° E. 299 lbs. dish marked 1/4 S 6 B.T.
 62.30 Dry sand wash 50 lbs. wide course S.E. asc. gradually.
 Difference bet. measurements of 81.34 Chs. by two sets of chains
 is 0.4 lbs. position of middle point.
 By 1st Set. 81.36 Chs.
 By 2nd Set 81.32 Chs., the mean of which is.
 81.34 Chs. Intersect the ^{re-established} Closing Cor. of Twp 24 N., Rb 20 and 21 E., hereinbefore
 described
 Land hilly.
 Soil stony 3rd rate
 Number Cedar and pine

Sidney E. Blout
U.S. EXAMINER OF SURVEYS
June 22nd 1910.

U.S. EXAMINER OF SURVEYS
FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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LIST OF NAMES.

A list of the names of the individuals employed by Sidney E. Blouh,
Examiner of Surveys, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the ^{retracement & re-}survey of the 5th Guide Meridian East through N^o of Twp. 24 N., Twp. R^s 20 and 21 E. of the Gila and Salt River Base and Meridian, Arizona showing the respective capacities in which they acted:

- Fred L. Warner and Charles A. Dutton, Chainmen.
- R. G. White and Vauk R. White, Chainmen.
- Jack Nez, Moundman.
- _____ , Moundman.
- _____ , Assman.
- _____ , Assman.
- William R. Carson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blouh,
Examiner of Surveys, United States Deputy Surveyor, in surveying all

^{retracing and resurveying all} those parts or portions of the 5th Guide Meridian East through Twp. 24 N., Twp. R^s 20 and 21 E. ash.

_____ of the Gila and Salt River Base and Meridian, Territory of Arizona, which are represented in the foregoing field notes as having been ^{retraced and re-}surveyed by him and under his direction; and that said ^{retracement & re-}survey has been in all respects, to the best of our knowledge and belief, well and faithfully ^{executed} surveyed, and the corner monuments ^{examined over} established, according to the instructions furnished by the United States Surveyor General for the General Land Office

- Fred L. Warner and R. G. White, Chainmen.
- Charles A. Dutton and Vauk R. White, Chainmen.
- Jack Nez, Moundman.
- _____ , Moundman.
- _____ , Assman.
- _____ , Assman.
- William R. Carson, Flagman.

Subscribed and sworn to before me this 28th day of July, 1910



Sidney E. Blouh
U.S. Examiner of Surveys

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EXAMINER OF SURVEYS
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Sidney E. Blout, Examiner of Surveys, United States Deputy Surveyor, do solemnly swear that in pursuance of a ~~contract~~ ^{Special Instructions} received from the Commissioner of the General Land Office, bearing date of the 2nd day of Oct. 1907 and the 15th day of May, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Commissioner General for of the General Land Office, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ ^{retroced & re-surveyed} all those parts or portions of The 5th Guide Meridian East through T^{ps} 24 North between R^s 20 and 21 East

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been ~~surveyed~~ ^{retroced and re-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 of the General Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retrocement and resurvey.

Sidney E. Blout
United States Deputy Surveyor
Examiner of Surveys

Subscribed by said Sidney E. Blout, and sworn to before me }
this 26th day of October, 1912

Frank Ingalls
Surveyor General of Arizona



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, APR 25 1914

The foregoing field notes of the retrocement and resurvey of the
5th Guide Meridian East thru N¹/₂ of T^{ps} 24 N. bet R^s 20 & 21 E. of the
Gila and Salt River Base and Meridian, Ariz

executed by Sidney E. Blout, U.S. Examiner of Surveys
under Special Instructions from the Commissioner of the General Land Office
his contract No. , dated October 2, 1907 and May 15, 1908, ~~18~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retroacements & resurveys they describe, are hereby approved.

Frank Ingalls
United States Surveyor General
Surveyor General of Arizona

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