

2120

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BOOK 2120

Book. C.

FIELD NOTES

2120

OF THE SURVEY OF THE

2120

Tracenaal Subdivision
of
Tp 19 N R 12 E.

2120

Of the *Alta Wash River Road* Meridian,
Arizona

AS SURVEYED BY

Jesse Burdick, United States Deputy Surveyor,

Under his Contract No. *152*, dated *Oct 24*, 1908

Survey commenced *Dec 6*, 1908

Survey completed *Dec 7*, 1908

6-151

2120

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NAMES AND DUTIES OF ASSISTANTS.

Frank H. Bevin Chairman

Virgilus A. Morris "

Aloy H. Smithy Maudman

Claude Morris Flogson

BOOK 2120

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	4	1
						4
7	8	9	10	11	3	12
						3
18	17	16	15	14	3	13
						2
19	20	21	22	23	2	24
						2
30	29	28	27	26	2	25
						1
31	32	33	34	35	1	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

Sub. of T. 197. R 12/8.

WE, _____ and _____

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 _____

_____, *Chainman.*

_____, *Chainman.*

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



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

_____, *Moundman.*

_____, *Moundman.*

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



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 }



Frac. Subdivision of T. 19 N. R. 12 E.

Chains Survey commenced Dec. 6, 1908 and executed with a W. & L. E. Gurley light mountain transit, special make unnumbered. The plates of the inst. are provided with two double verniers, each reading to 1' of arc; and with Burt's solar attachment, the lat. and dec. arcs reading by verniers to 30" of arc.

I test carefully the levels and line of collimation of the inst. and also test the solar attachment and find all parts in satisfactory adjustment.

At 8h a.m., l.m.t., at the cor. of Tps. 18 & 19 N. Rs. 12 & 12 1/2 E. as recently established by me, I set off 22° 27' S. on the decl. arc and 35° 0' N. on the lat. arc and determine a mer. with the solar, which mer. falls 1/16 in. E. of the mer. determined by me at this cor. by polaris obs. on Nov. 29, 1908.

I conclude that my instrument is in satisfactory adjustment, and proceed to the cor. of secs. 1, 2, 35 & 36 on S. bdy. of T. 19 N. R. 12 E. as recently established by me.

At this cor. at 8h 30m, l.m.t., I set off 22° ~~27' 30"~~^{25' 00"} S. on the decl arc and 35° 0' N. on the lat. arc and determine a true mer. with the solar.

Thence I run, Var. 14 1/2° E.
N. 0° 01' W. bet. secs. 35 & 36.

Over rolling land through dense cedar.

16.00 Canyon 50 lks. wide, course N.E. asc. grad.

22.00 Top of rise, desc. grad.

27.00 Canyon 30 lks. wide, course E. asc. grad.

40.00 Set a limestone 30x15x6 ins. 24 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of earth 2 ft. base 1 1/2 ft. high W. of cor.

Dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist.

No bearings available, trees in limits all dead.

50.00 Leave cedar, asc. grad. through dense sage brush.

80.00 Set a limestone 24x15x6 ins. 18 ins. in the ground for cor. of secs. 25, 26, 35 & 36 marked with 1 notch on S. & 1 notch on E. edges and dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 1 1/2 ft. high W. of cor.

No bearings available.

Land, rolling.

Soil, 2nd & 3rd rate, sandy, stony.

Timber scattering cedar.

Undergrowth dense cedar and sage brush.

Rolling land covered with dense undergrowth and exceptionally difficult to survey, 80.00 chs.

East, on a random line bet. secs. 25 & 36.

40.00 Set temp. 1/4 sec. cor.

80.04 Intersect E. bdy. of Tp. at point 5 lks. N. of cor. of secs. 25, 36, 27 & 34, whence I run N. 89° 58' W. on a true line bet. secs. 25 & 36.

Over rolling land, asc. grad. through dense sage brush.

40.02 Set a limestone 24x18x6 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.

No bearings available.

80.04 To cor. of secs. 25, 26, 35 & 36.

Land rolling.

Soil, 2nd rate, sandy gravelly.

No timber. Undergrowth dense sage brush.

Rolling land covered with dense undergrowth, 80.04 chs.

Chains	
	N.0° 01' W. bet. secs. 25 & 26. Over rolling land, desc. grad. through dense sage brush.
40.00	Set a limestone 20x10x10 ins. 15 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 W. of cor. No bearings available. Thence asc. grad.
80.00	Set a limestone 30x15x8 ins. 24 ins. in the ground for cor. of secs. 23, 24, 25, & 26 marked with 2 notches on S. & 1 notch on E. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. No bearings available. Land, rolling. Soil, 2nd & 3rd rate, sandy, loamy. No timber. Undergrowth dense sage brush. Rolling land covered with dense undergrowth, 80.00 chs.
	S. 89° 58' E. on a random line bet. secs. 24 & 25.
40.00	Set temp 1/4 sec. cor.
80.06	Intersect E. bdy. of Tp. at point 2 1/2 lks. N. of cor. of secs. 24, 25, 22, & 27, whence I run, N. 89° 57' W. on a true line bet. secs. 24 & 25. Over rolling land, through dense sage brush.
3.50	Canyon 30 lks. wide, course N.E. asc. grad.
40.03	Set a limestone 24x12x8 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. No bearings available.
80.06	To cor. of secs. 23, 24, 25, & 26. Land, rolling. Soil, 2nd & 3rd rate, sandy, loamy. No timber. Undergrowth, dense sage brush. Rolling land covered with dense undergrowth, 80.06 chs. At this cor. at 11h, 51m, 1.m.t., I set off 22° 30' S. on the decl. arc and observe the sun on the mer. The resulting lat. is 35° 01' 30" N.
	N.0° 01' W. bet. secs. 23 & 24. Over rolling land, through dense sage brush.
40.00	Set a limestone 24x12x6 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 W. of cor. No bearings available.
74.30	Draw 2 chs. wide, course N.E.
80.00	Set a limestone 30x15x6 ins. 12 ins. in ground to bedrock with mound of stone around it for cor. of secs. 13, 14, 23 & 24, marked with 3 notches on S. & 1 notch on E. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. No bearings available. Land, rolling. Soil, 2nd & 3rd rate, sandy, stony. No timber. Undergrowth, dense sage brush. Rolling land covered with dense undergrowth, 80.00 chs.
	The cor. of secs. 13, 24, 15 & 22, on E. bdy. of Tp. being plainly visible, I run to it, East on a random line bet. secs. 13 & 24.
40.00	Set temp 1/4 sec. cor.
80.02	To cor. of secs. 13, 24, 15 & 22, on E. bdy. whence I run, West on a true line bet. sec. 13 & 24. Over rolling and broken land.
2.00	Desc. abrupt 100 ft.
4.50	Canyon Diablo, 8 chs. wide, 150 ft. deep, course N.N.W.
6.00	Asc. prec.
9.50	Top of point bet. canyons. desc.
10.50	Canyon 1 ch. wide, course N.E. asc.
14.00	Top of mesa, thence over rolling land.

Frac. Subdivision of T. 19 N.R. 12 E.

Chains
 18.00 A corral on W. bank of canyon, brs.N. 40.00 chs. dist.
 Owner, unknown.
 40.00 Set a limestone 30x12x12 ins. 24 ins. in the ground for
 1/4 sec. cor. marked 1/4 on N. face and raise a mound of
 stone covered with earth 4 ft. base 2 ft. high N. of cor.
 Dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist.
 No bearings available.
 46.00 Canyon 30 lks. wide, course N.E.
 73.85 Draw 2 chs. wide course N.E.
 80.02 To cor. of secs. 13,14,23, & 24.
 Land, rolling, broken, by canyons.
 Soil, 3rd rate, sandy, gravelly, stony.
 Timber, scattering cedar, walnut & willow in canyon Diablo.
 Undergrowth, sage brush.
 Rolling, and broken land, intermediate rate, 80.02 chs.

N.0° 01' W. bet. secs. 13 & 14.

Over rolling land.
 40.00 Set a limestone 24x12x6 ins. 18 ins. in the ground for
 1/4 sec. cor. marked 1/4 on W. face and raise a mound of
 earth 2 ft. base 1 1/2 ft. high W. of cor.
 Dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist.
 No bearings available.
 80.00 Set a limestone 36x15x6 ins. on bedrock in md. of stone
 for cor. of secs. 11,12,13 14, marked with 4 notches on
 S. & 1 notch on E. edges and raise a mound of stone 2 ft.
 base 1 1/2 ft. high W. of cor.
 No bearings available.
 Land, rolling.
 Soil, 2nd rate, sandy, loamy.
 No timber. Undergrowth scattering sage brush.
 Rolling land, 80.00 chs.

Dec. 6, 1908.

Dec. 7, 1908, at 8h a.m., l.m.t., at the cor. of secs. 11, 12,
 13 & 14, I set off 22° 34' S. on the decl. arc and
 35° 03' 30" N. on the lat. arc and determine a true
 mer. with the solar. Thence I run,
 East, on a random line bet. secs. 12 & 13.

40.00 Set temp 1/4 sec. cor.
 79.98 Intersect E. bdy. of Tp. at point 12 lks. N. of the cor.
 of secs. 12, 13, 10 & 15, whence I run, over rolling land,
 N. 89° 55' W. on a true line bet. secs. 12 & 13.
 20.00 E. edge of Canyon Diablo, desc. abrupt 150 ft.
 25.00 Canyon Diablo, 10 chs, wide, 180 ft. deep, course N.N.E.
 Asc. prec.
 30.00 Top of mesa.
 39.99 Set a limestone 24 x12x4 ins. 18 ins. in the ground for
 1/4 sec. cor. marked 1/4 on N. face and raise a mound of
 stone 4 ft. base 2 ft. high covered with earth N. of
 cor. Dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist.
 No bearings available.
 50.00 A large crevice in limestone strata 4 ft. wide, depth
 unknown, extends N.W. & S.E.
 79.98 To cor. of secs. 11, 12, 13 & 14.
 Land, rolling.
 Soil, 2nd & 3rd rate, sandy, stony.
 No timber. Undergrowth scattering sage brush.
 Rolling land, 79.98 chs.

N.0° 01' W. bet. secs. 11 & 12.

Over rolling land, through dense sage brush.
 14.00 Canyon 50 lks. wide, course N.E.
 35.00 Canyon 30 lks. wide, course E., joins above canyon 15 chs. E.
 40.00 Set a limestone 30x15x8 ins. 24 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. W. of cor. No bearings avail.

Frac. Subdivision of T.19 N. R. 12 E.

- Chains
57.70 Large stone mon. is 150 lks. E. of line.
80.00 Set a limestone 24x12x8 ins. 18 ins. in the ground for Cor. of secs. 1,2,11, & 12, marked with 5 notches on S. & 1 notch on E. edges and raised a mound of stone 4 ft. base 1 1/2 ft. high W. of cor. covered with earth. Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. No bearings avail. Land, rolling.
Soil, 2nd & 3rd rate, sandy, loamy.
No timber. Undergrowth, dense sage brush.
Rolling land covered with dense undergrowth, 80.00 chs.
-
- S. 89° 55' E. on a random line bet. secs. 1 & 12.
40.00 Set temp. 1/4 sec. cor.
80.00 Intersect E. bdy. of Tp. at cor. of secs. 1, 12, 3, & 10, whence I run,
N. 89° 55' W. on a true line bet. secs. 1 & 12.
Over rolling land, through dense sage brush.
40.00 Set a limestone 24x12x8 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
No bearings available,
80.00 To cor. of secs. 1, 2, 11 & 12.
Land, rolling.
Soil, 2nd & 3rd rate, sandy, loamy.
No timber. Undergrowth, dense sage brush.
Rolling land covered with dense undergrowth, 80.00 chs.
-
- N. 6° 01' W., on a random line bet. secs. 1 & 2.
40.00 set temp 1/4 sec. cor.
79.88 Intersect N. bdy. of Tp. at point 7 lks. E. of cor. of secs. 1, 2, 35 & 36, whence I run,
S. 0° 04' E. on a true line bet. secs. 1 & 2.
Over rolling land, through dense sage brush.
39.88 Set a limestone 30x15x10 ins. 24 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 W. of cor. No bearings avail.
61.80 Draw 2 chs wide, course N.E.
79.88 To cor. of secs. 1, 2, 11 & 12.
Land, rolling. Soil, 2nd & 3rd rate, sandy, loamy.
No timber. Undergrowth, dense sage brush.
Rolling land covered with dense undergrowth, 79.88 chs.
Dec. 7, 1908.

GENERAL DESCRIPTION.

The land in this Tp. is a rolling mesa well covered with good native grass. There is but little timber in the Tp. The soil is a sandy loam, and would produce well with proper irrigation.

There is no water in the Tp. except at points in Canyon Diablo at certain seasons. There are several smaller canyons running through the Tp. where dams could be built and the water stored, as the canyons have cut down to the bedrock of limestone which underlies the entire country.

Jesse B. Wright
U.S. Deputy Surveyor.

*No authority for red ink corrections
see deputy's letter of May 2-1909.*

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James B. Wright
a, 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 subdivision

of T 19 N R 12 1/2 E & for subd. T 19 N R 12 E.
showing the respective capacities in which they acted:

- Frank H. Bevin , Chairman.
- Virgilus E. Morris , Chairman.
- Alvin H. Smith , Moundman.
- , Moundman.
- , Axman.
- , Axman.
- Claude Morris , Flagman.

FINAL OATH OF ASSISTANTS.

For final oaths of assistants see Book "B"
We hereby certify that we assisted James B. Wright
Dept. T. 19 N. R. 12 1/2 E.
....., United States Deputy Surveyor, in surveying all
those parts or portions of the

..... 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

-, Chairman.
-, Chairman.
-, Moundman.
-, Moundman.
-, Axman.
-, Axman.
-, Flagman.

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



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Jesse B Wright, 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 24th day of Oct 1908, 1908, 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 Subdivision of Sec 12 E T12 N R12 E

of the Gila Salt River meridian, in the Ter. of Arizona 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.

Jesse B Wright
United States Deputy Surveyor.

Subscribed by said Jesse B Wright, and sworn to before me)
this 16th day of December, 1908

W. H. ...
W. H. ...



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Sept. 3, 1909

The foregoing field notes of the survey of a portion of the subdivision lines of T12 N R12 E of the Gila and Salt River Base and Meridian, Arizona

executed by Jesse B Wright U.S. Deputy Surveyor under his contract No. 1502, dated October 24, 1908, 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.