

2165

14-679.

Book K.

Accepted, letter E. May 4 - 1910

88
1910
1

BOOK 2165

FIELD NOTES

OF THE SURVEY OF THE

2165 Subdivision of Frac.T. 21 S. R. 19 E.

2165

2165

Of the Gila and Salt River Base and Meridian,
Arizona.

AS SURVEYED BY

Jesse B. Wright, United States Deputy Surveyor,

Under his Contract No. 154, dated February 9, 1909

Survey commenced May 17, 1909

Survey completed May 19, 1909

6-161

2165

2165

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(1A)

BOOK 2165

NAMES AND DUTIES OF ASSISTANTS.

Walter Percival Chommon

Rollin Brown "

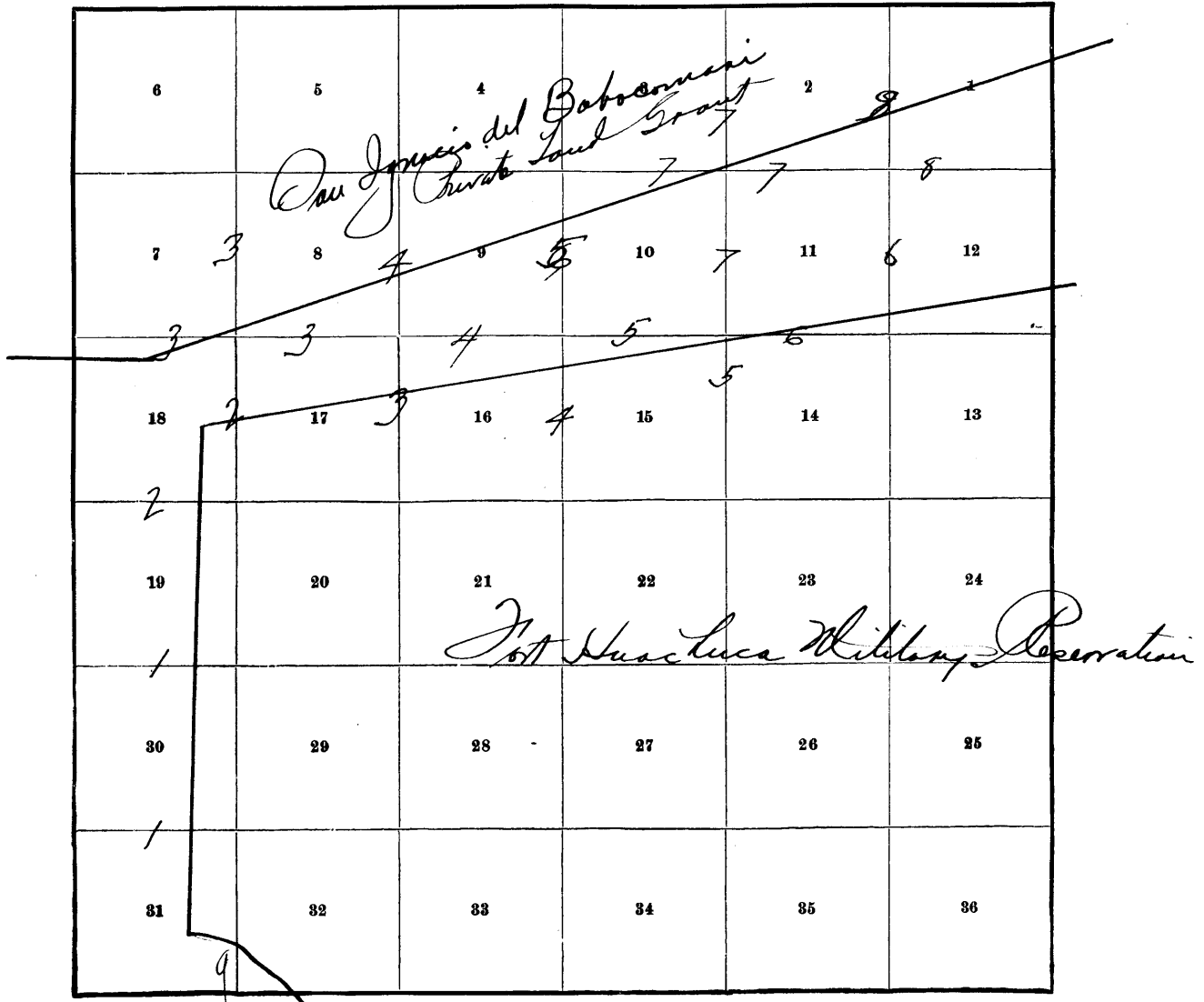
Jas L. Finley Mountman

Aubrey W. Anderson Legmon

BOOK 2165

INDEX DIAGRAM.

Township 21 S., Range 19 E.



Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, Walter Percival and Rollin Brown
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

Subdivision of Trac. T. 21 S. R. 19 E.

Walter Percival, Chainman.

Rollin Brown, Chainman.

Subscribed and sworn to before me this 15th
day of May, 1909



Jesse B. Wright
U. S. Deputy Surveyor

WE, 2 Jas L. Finley 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

Subdivision of Trac. T. 21 S. R. 19 E.

Jas L. Finley, Moundman.

_____, Moundman.

Subscribed and sworn to before me this 15th
day of May, 1909



Jesse B. Wright
U. S. Dep. Surveyor.

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, Aubrey W. Anderson, 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

Subdivision of Trac. T. 21 S. R. 19 E.

Aubrey W. Anderson, Flagman.

Subscribed and sworn to before me this 15th
day of May, 1909



Jesse B. Wright
U. S. Dep. Surveyor

Subdivision of Frac. T. 21 S. R. 19 E.

Chains Survey commenced May 17, 1909, and executed with a Young & Sons light mountain transit No. 6492, with Smith patent solar attachment on side.
The plates of the instrument are provided with two doubler verniers placed opposite to each other and each reading to 1' of arc, which is also the least reading of the lat. and decl. arcs.
Having repeatedly tested this instrument recently on a meridian determined by polaris observations, and knowing same to be correct,
I begin as per instructions, at the cor. of Secs. 30 & 31 25, & 36 on W. bdy. of Tp., as recently established by me and heretofore described.
At this cor. at 7h a.m., l.m.t., I set off 19° 17' N. on the decl. arc and 31° 34' N. on the lat. arc and determine a true meridian with the solar, which line I find co-incides with the line of the W. bdy. of Tp., which was established from an observation on Polaris.
Thence I run,
East, bet. secs. 30 & 31.
Over mts. land, asc.

19.13 Top of ridge, brs. N. & S. desc.
22.88 Gulch 20 lks. wide, course N. asc.
30.00 Top of ridge, brs. N. & S. desc.
37.40 Gulch 80 lks. wide, course N. asc.
40.00 Set a granite stone 18x10x6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ on N. face, and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. from which,
An oak tree 6 ins. diam. brs. N. 78° E. 75 lks. dist., marked $\frac{1}{4}$ S. 30 B.T.
No other bearings available.

47.00 Top of rock ridge, brs. N. & S. desc.
56.65 Gulch 80 lks. wide, course NNW. asc.
58.40 Intersect W. Bdy. of Fort Huachuca Military Reservation whence $\frac{1}{2}$ mile cor. brs. S. 2° 6' W. 15.78 chs.
Set a quartzite stone 20x15x6 ins. 15 ins. in the ground for closing cor. of secs. 30 & 31, marked, C.C. on W., F.H.M.R. on E., with 1 groove on S. faces, and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. from which,
A juniper tree 15 ins. diam. brs. S. 67 $\frac{3}{4}$ ° W. 68 lks. dist., marked T. 21 S. R. 19 E. S. 31 C.C.B.T.
An oak tree 18 ins. diam. brs. N. 70 $\frac{1}{2}$ ° W. 173 lks. dist., marked T. 21 S. R. 19 E. S. 30 C.C.B.T.

Land mountainous.
Soil, 2nd & 3rd rate, gravelly, stony.
Timber, few oak and juniper in canyons.
Undergrowth, none.
Mountainous land, 58.40 chs.

East bet. secs. 19 & 30.
Over mts. land asc.

6.00 Top of ridge, brs. N. & S. desc.
25.00 Main gulch 120 lks. wide, course NNE. asc. steep.
40.00 Set a quartzite stone 24x12x8 ins. 18 ins. in ground for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ on N. face and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
No bearings available. Top of long ridge, brs. N. & S. desc.

61.21 Intersect W. Bdy. F.H.M.R., at point, whence $\frac{1}{2}$ mile cor. brs. S. 2° 6' W. 15.84 chs.
Set a quartzite stone 24x10x10 ins. 18 ins. in ground for Closing cor. marked C.C. on W., F.H.M.R. on E., and 2 groove on S. faces, and raise a md. of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of Cor. No bearings available.
Land, mts. Soil, 2nd & 3rd rate, stony. Few oak trees.
Mountainous land, 61.21 chs.

Chains	East bet. secs. 18 & 19. Over mts. land, desc.
1.00	Wash 20 lks. wide, course SE. asc.
7.90	Wire fence, brs. N. & S. top of knoll SE. & NW., desc.
17.04	Wire fence, brs. N. & S.
18.60	Foot of slope, brs. N. & S., enter field of N.L. Houston. House of N.L. Houston brs. S. 10 chs. dist.
22.50	Leave field, enter wash, course NNE.
25.60	Leave wash, enter dense sacaton, brs. N. & S.
33.00	Leave dense sacaton, brs. N. & S. enter ploughed field of N.L. Houston.
40.00	Set a granite stone 24x12x10 ins. 18 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor., from which A willow tree 6 ins. diam. brs. N. 6° W. 322 lks. dist., marked $\frac{1}{4}$ S. 18 B.T. No other bearings available.
43.00	Road, brs. NE. & SW.
43.81	Wire fence, brs. N. & S. Leave field of N.L. Houston. Asc. grad. along N. foot of mesa, brs. E. & W.
60.00	Leave foot of mesa, brs. to SE.
61.50	Wire fence, brs. N. & S. Leave pasture.
64.27	Intersect W. Bdy. of F.H.M.R. at point, whence $2\frac{1}{2}$ mile cor. brs. S. 2° 6' W. 16.00 chs. dist. Set a pine post 3 ft. long 3x4 ins. 2 ft. in ground for Closing Cor. of secs. 18 & 19, marked, C.C.T. 21 S. R. 19 E. on W., S. 18 on N., and S. 19 on S. faces, and 3 grooves on S. face and raise a mound of stone 3 ft. base 2 ft. high W. of cor. No bearings available. Thence I continue measurement, on blank line.
80.00	To cor. point of secs. 17, 18, 19 & 20. Land, mts., broken, level. Soil, 1st, 2nd & 3rd rate, sandy, loamy, gravelly. No timber. Undergrowth, mesquite, willow, sacaton. Mts. land or land covered with dense undergrowth, 26.00 chs. Level land, , 54.00 chs. At this point at noon, I set off 19° 19' N. on the decl. arc and observe the sun on the meridian. The resulting lat. is 31° 35' 30" N. ✓
	N. 0° 1' E. on a blank line bet. secs. 17 & 18. Over mts. land; ascend.
29.00	Ridge, brs. NW. & SE. desc.
38.00	Gulch 50 lks. wide, course NW. asc.
44.10	Intersect N. Bdy. F.H.M.R. at point whence, $3\frac{1}{2}$ mile cor. brs. N. 82° 34' E. 7.56 chs. Set a pine post 3 ft. long 3x4 ins. 2 ft. in ground for closing Cor., marked, C.C.T. 21 S. R. 19 E. on N., S. 17 on E., and S. 18 on W., faces with 5 grooves on E. faces, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. No bearings available. Thence, continuing measurement, Over mountainous land.
60.00	Head of deep gulch 50 lks. wide, course NE.
70.00	Point of ridge, brs. NNW. & SSE. desc. steep.
75.00	Foot of steep slope, brs. E. & W., enter dense sacaton.
76.00	Wash 2 chs. wide, course NW.
78.94	Wire fence, brs. NE. & SW. corners 5 chs. NE. & runs W.
80.00	Set a quartzite stone 24x12x8 ins. 18 ins. in ground for Cor. of secs. 7, 8, 17 & 18, marked with 4 notches on S. & 5 notches on E. edges and raise a md. of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available. Land, mts. Soil, 2nd rate, gravelly. Timber, few oak in canyons. Undergrowth, mesquite, ocotillo, sadaton. Mts. land or land covered with dense undergrowth, 80.00 chs.

Subdivision of Frac.T.21 S.R.19 E.

Chains

N. 0° 1' E. bet. secs. 7 & 8.
 Over level land, through dense sacaton.

1.55 Wire fence, brs. N.80° E & S.80° W.

2.27 Intersect South Boundary of San Ignacio del Babocomori Grant, whence 11 mile ^{mkd & wt as desc. by 1925} cor. brs. N.70° 55' 55" E. 9.70 chs. dist. Set a quartzite stone 20x12x10 ins. 15 ins. in the ground for closing Cor. of secs. 7 & 8, marked, C.C.on S., S.I.D.B. on N., with 5 grooves on E. face, and raise a mound of stone 2 ft. base 1½ ft. high S. of cor. No bearings available. Land covered with dense undergrowth,..... 2.27 chs.

West bet. secs. 7 & 18.
 Over level land, through dense sacaton.

5.63 Wash 20 lks. wide, course NW.

4.50 Wire fence, brs.ENE. & WSW.

6.53 Intersect S.Bdy. S.I.D.B. at point, whence 11 mile cor. brs. N. 70° 55' 55" E. 16.60 chs. dist. Set a pine post 3 ft. long, 3x4 ins. 2 ft. in ground for Closing Cor. of secs. 7 & 18, marked C.C.T. 21 S. R. 19 E. on E. S. 18 on S., and S. 7 on N. faces with 5 grooves on S. face, and Dig pits 30x24x12 ins. S. 70° 56' W. of cor. 3 ft. dist. & 24x18x12 ins. on E. of cor. 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high E. of cor. No bearings available. Land covered with dense undergrowth,..... 6.53 chs.

East bet. secs. 8 & 17.
 Over mts. land asc. stony W.slope with great difficulty.

.75 Wire fence, brs. NE. & SW.

12.00 Long ridge, brs. NNW. & SSE.

20.00 Desc. over very stony ground.

28.00 Gulch 50 lks. wide, course NNW. asc.

40.00 Top of ridge, brs. N. & S. Set a quartzite stone 15x12x6 ins. on bedrock in mound of stone for ¼ sec. cor. marked ¼ on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. No bearings available. Desc. steep:

57.00 Gulch 20 lks. wide, course NE. asc.

73.00 Ridge, brs. N and S, descend.

78.20 Gulch 50 lks. wide, course NNE. asc.

80.00 Set a quartzite stone 24x15x10 ins. 18 ins. in the ground for cor. of secs. 8,9,16 & 17, marked with 4 notches on S. & E. edges and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. No bearings available. Land mts. Soil, 3rd rate, stony. Timber, few oak tree. Undergrowth, scattering mesquite. Mts. land exceptionally difficult to survey, 80.00 chs.

S.0° 1' W. bet. secs. 16 & 17.
 Over mts. land desc. with great difficulty over stony ground.

1.40 Gulch 20 lks. wide, course NNW.

8.00 Same gulch, course NNE. Asc. with great difficulty over broken ground on E. side of gulch.

25.36 Intersect N. Bdy. of Fort Huachuca Mil. Reservation, whence, Set a pine post 3 ft. long 4 ins. sq. 2 ft. in ground for Closing Cor. of secs. 16 & 17, marked C.C.T. 21 S. R. 19 E. on N., S. 16 on E., S. 17 on W. faces, with 4 grooves on E. face, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. No bearings available. 4½ mile cor. F.H.M.R. brs. N.82° 34' E. 6.88 chs. Land. mts., broken. Soil, 2nd & 3rd rate, stony. No timber. Undergrowth, mesquite, ocotillo. Mts. land exceptionally difficult to survey, 25.36 chs. May 17, 1909

Subdivision of Frac. T.21S. R.19 E.

Chains	<p>May 18, 1909. At 7h a.m., l.m.t., at the cor. of secs. 8, 9, 16 & 17, I set off 19° 30' 30" N. on the decl. arc and 31° 36' 30" N. on the lat. arc and determine a true meridian with the solar, Thence I run, N. 0° 1' E. bet. secs. 8 & 9. Over very broken mts. land, with great difficulty. along E. side of gulch.</p>
24.00	<p>Gulch 80 lks. wide, course NNE. asc. A permanent water hole in same is NNE. about 25 chs.</p>
29.92	<p>Intersect S. Bdy. San Ignacio del Babocomori, Grant, whence, 10 mile Cor. point brs. N. 70° 55' 55" E. 5.15 chs. dist. Set a quartzite stone 24x15x12 ins. 18 ins. in the ground for Closing Cor. of secs. 8 & 9, marked C.C. on S., S.I.D.B. on N., with 4 grooves on E. faces, and raise a mound of stone 2 ft. base 1½ ft. high S. of cor. No bearings available. Land, mts., broken. Soil 3rd rate, stony. No timber or undergrowth. Mountainous and broken land exceptionally difficult to survey, 29.92 chs.</p>
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	<p>East bet. secs. 9 & 16. Over mts. land asc.</p>
9.75	<p>Road, top of ridge, brs. N. & S. Huachuca Sta. to Pyeatts ranch.</p>
12.00	<p>Desc.</p>
31.20	<p>Gulch 50 lks. wide, course N. asc.</p>
35.00	<p>Point of flat ridge, brs. N. & S. desc.</p>
36.40	<p>Gulch 20 lks. wide, course N. asc.</p>
40.00	<p>Set a quartzite stone 20x12x10 ins. 15 ins. in the ground for ¼ sec. cor. marked ¼ on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. No bearings available.</p>
46.00	<p>Top of ridge, brs. N. & S. desc.</p>
55.00	<p>Gulch 30 lks. wide, course N. asc.</p>
60.00	<p>Ridge, brs. N. & S. desc.</p>
66.50	<p>Draw, 1 ch. wide, course NNW. asc.</p>
75.00	<p>Ridge, brs. N. & S. desc.</p>
80.00	<p>Set a granite stone 20x12x8 ins. 15 ins. in the ground for Cor. of secs. 9, 10, 15 & 16 marked with 3 notches on E. & 4 notches on S edges and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. No bearings available. Land mts, broken. Soil, 2nd & 3rd rate, stony, gravelly. No timber or undergrowth. Mountainous land, 80.00 chs.</p>
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	<p>S. 0° 2' W. bet. secs. 15 & 16. Over mts. land asc. E. slope. with great difficulty.</p>
3.00	<p>Top of slope, desc.</p>
8.00	<p>Gulch 30 lks. wide, course NE. asc.</p>
11.00	<p>Spur, brs. NE. & SW. desc. grad. along SE. slope.</p>
14.88	<p>Intersect N. Bdy. Fort Huachuca Mil. Reservation, whence 5 ½ mile cor. brs. N. 82° 34' E. 6.35 chs. Set a sandstone 24x12x8 ins. 18 ins. in the ground for Closing cor. of secs. 15 & 16, marked, C.C.T. 2D S. on N., F.H.M.R. on S., with 3 grooves on E. faces, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. No bearings available. Pits impracticable. Land mts. Soil 2nd rate, stony. No timber or undergrowth. Mts. land exceptionally difficult to survey, 14.88 chs.</p>

Subdivision of Frac. T. 21 S. R. 19 E.

Chains

N.0° 2' E. bet. secs. 9 & 10.
 Over very broken ground , with great difficulty, along
 E. Slope of ridge.
 37.00 Top of ridge, brs. N. & S. desc. on same.
 40.00 Set a quartzite stone 24x12x8 ins. 18 ins. in the ground
 for ¼ sec.cor. marked ¼ on W. face and raise a mound
 of stone 2 ft. base 1½ ft. high W. of cor.
 No bearings available.
 57.65 Intersect S. Bdy. ^{mkd. at 2.3 - 2.2 - 2.1 - 2.0} San Ignacio del Babocomori Grant, whence,
 9 mile cor. of Grant, brs. N. 70° 55' 55" E. 62 lks. dist.
 Set a quartzite stone 30x24x15 ins. 18 ins. in the ground
 to bedrock in mound of stone for closing Cor. of secs.
 9 & 10 , marked
 C.C. on S.,
 S.I.D.B. on N., with
 3 grooves on E. faces , and
 raise a mound of stone 2 ft. base 1½ ft. high S. of cor.
 No bearings available.
 Land, mts. broken.
 Soil, 3rd rate, very stony.
 No timber, Undergrowth, scattering mesquite, ocotillo.
 Mts. land exceptionally difficult to survey, 57.65 chs.

East bet. secs. 10 & 15.
 Over mts. land desc.
 4.00 Gulch 20 lks. wide, course N. asc.
 5.00 Point of ridge, brs. N. & S. desc.
 5.90 Main canyon 120 lks. wide, 50 ft. deep, course N.
 Asc. steep.
 18.00 Top of ridge, brs. N. & S. desc.
 36.50 Gulch 80 lks. wide, course N. asc. steep.
 40.00 Set a quartzite stone 24x15x10 ins. 18 ins. in ground for
 ¼ sec.cor. marked ¼ on W. face and raise a mound of
 stone 2 ft. base 1½ ft. high W. of cor. No bearings avail.
 50.00 Top of ridge, brs. N. & S. desc.
 62.00 Canyon 80 lks. wide 30 ft. deep, course NNE.
 Ascend over very broken ground, with great difficulty.
 80.00 Set a quartzite stone 20x8x6 ins. 15 ins. in ground for
 Cor. of secs. 10, 11, 14 & 15, marked with 2 notches on
 E. and 4 notches on S. edges, and
 raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
 No bearings available.
 Land mts., broken.
 Soil, 3rd rate, stony.
 No timber. Undergrowth, scattering mesquite.
 Mts. land, 62.00 chs.
 Mts. land exceptionally difficult to survey, ... 18.00 chs.
 At this cor. at noon I set off 19° 32' 30" N. on the decl
 arc and observe the sun on the meridian.
 The resulting lat. is 31° 36' 30" N.

S. 0° 2' W. bet. secs. 14 & 15.
 Over stony ground, with great difficulty.
 4.35 Intersect N. Bdy. Fort Huachuca Mil. Reservation, whence
 6 ½ mile cor. brs. N. 82° 34' E., 5.70 chs. dist.
 Set a quartzite stone 20x12x10 ins. 15 ins. in ground for
 Closing cor. of secs. 14 & 15, marked
 C.C. on N.,
 F.H.M.R. on S., with
 2 grooves on E. faces and
 raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
 No bearings available.
 Mts. land exceptionally difficult to survey, 4.35 chs.

Subdivision of Frac. T. 21 S. R. 19 E.

Chains

East bet. secs. 11 & 14.
 Over mts. and broken land, with great difficulty asc.
 5.00 Top of ridge, brs. N. & S. desc.
 14.00 Canyon 50 lks. wide, 3 ft. deep, course NNE. asc.
 17.00 Sharp ridge, brs. N. & S. desc.
 22.00 Old road, brs. N. & S.
 22.50 Wash 80 lks. wide, course NNE. asc.
 33.40 ^{RIDGE BR. NNE & SSW} Intersect N. Bdy. Fort Huachuca Mil. Res'n at point whence,
 7 mile cor. of Res'n brs. N. 82° 34' E. 12.00 chs. dist.
 Set a quartzite stone 24x15x10 ins. 18 ins. in ground for
 Closing Cor. of Secs. 11 & 14, marked
 C.C. on W.,
 F.H.M.R. on E., with
 4 grooves on S. faces, and
 raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
 No bearings available.
 Thence on blank line in Res'n., continuing measurement.
 Over broken ground.
 40.00 Point for ¼ sec. cor.
 45.00 Main Gulch 2 chs. wide, course N. asc. steep.
 50.00 Top, thence over broken ground.
 60.00 Desc.
 80.00 Cor. point for cor. of secs. 11, 12, 13 & 14.
 Land mts. broken.
 Soil, 2nd & 3rd rate, gravelly, stony.
 No timber. Undergrowth, scattering mesquite, ocotillo.
 Mts. land exceptionally difficult to survey, 33.40 chs.
 Mts. land,, 46.60 chs.

From cor. point to cor. of secs. 11, 12, 13 & 14, I run
 as per instructions,
 N. 0° 3' E. on a blank line, in Reservation.
 Over mts. land asc. bet. secs. 11 & 12
 06.35 Intersect N. Bdy. Fort Huachuca Mil. Res'n at point whence,
 7½ mile cor. brs. N. 82° 34' E. 5 chs. dist.
 Set a ^{quartzite stone} 24x12x10 ins. 18 ins. in the ground for
 Closing cor. of secs. 11 & 12, marked
 C.C. on N.,
 F.H.M.R. on S., with
 1 groove on E. faces, and
 raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
 No bearings available.
 40.00 Top of long flat ridge, brs. NE. & SW.
 Set a sandstone 24x12x10 ins. 18 ins. in the ground for
 ¼ sec. cor. marked ¼ on W. face and
 raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
 No bearings available.
 Desc. over very stony ground over broken NW. slope with
 great difficulty.
 74.00 Foot of slope, enter valley, brs NE. & SW. and dense mesquite.
 80.00 Set a quartzite stone 20x10x8 ins. 15 ins. in ground for
 Cor. of secs. 1, 2, 11 & 12, marked with 5 notches on E.
 & S. edges and dig pits 18x18x12 ins. in each sec. 5½ ft.
 dist. & raise a md. of earth 4 ft. base 2 ft. high W. of cor.
 from which,
 A mesquite tree 6 ins. diam. brs. N. 24½° E. 150 lks. dist.
 marked T. 21 S. R. 19 E. S. 1 B.T.
 A mesquite tree 8 ins. diam. brs. S. 78½° E. 50 lks. dist.,
 marked T. 21 S. R. 19 E. S. 12 B.T.
 A mesquite tree 4 ins. diam. brs. S. 35° W. 151 lks. dist.,
 marked T. 21 S. R. 19 E. S. 11 B.T.
 A mesquite tree 4 ins. diam. brs. N. 72° W. 44 lks. dist.,
 marked T. 21 S. R. 19 E. S. 2 B.T.
 Land mts. broken. Soil, 2nd & 3rd rate, sandy, geavelly, stony.
 No timber. Undergrowth, mesquite,
 Mts. land or land covered with dense undergrowth, 46.00 chs.
 Mts. land exceptionally difficult to survey,, 34.00 chs.
 May 18, 1909.

Subdivision of Frac. T. 21 S. R. 19 R.

Chains May 19, 1909.
 At 7h a.m., l.m.t., at the cor. of secs. 10, 11, 14 & 15 as heretofore described,
 I set off 19° 43' 30" N. on the decl. arc and 31° 36' 30" N. on the lat. arc and determine a true meridian with the solar,
 Thence I run,
 N. 0° 2' E. bet. secs. 10 & 11.
 Over mts. land desc.
 31.75 Gulch 30 lks. wide, course NE. asc.
 40.00 Set a quartzite stone 20x10x10 ins. 15 ins. in 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.
 Cor. on Top of ridge, brs. N. & S. desc. along east slope.
 77.00 Gulch 50 lks. wide, course NNE. ascend.
 80.00 Set a limestone 20x12x10 ins. 18 ins. in the ground for Cor. of secs. 2, 3, 10 & 11, marked with 5 notches on S. & 2 notches on E. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
 No bearings available.
 Land mountainous. Soil, 2nd & 3rd rate, stony, gravelly.
 No timber. Undergrowth, mesquite, tesseta, greasewood.
 Mountainous land, 80.00 chs.

West bet. secs. 3 & 10.
 Over very broken mts. land, through dense greasewood and mesquite. desc.
 12.00 Gulch 20 lks. wide, course NW. asc.
 15.04 Intersect S. Bdy. of San Ignacio del Babocomori Grant, whence, 8 mile cor. of Grant, brs. N. 70° 55' 55" E. 12.32 chs. dist.
 Set a quartzite stone 24x12x10 ins. 18 ins. in ground for Closing Cor. of Secs. 3 & 10, marked C.C. on E.,
 S.I.D.B. on W., with 5 grooves on S. faces, and raise a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. from which,
 A mesquite tree 8 ins. diam. brs. S. 60° E. 104 lks. dist. marked T. 21 S. R. 19 E. S. 10 C.C.B.T.
 No other bearings available.
 Land mts. broken. Soil, 3rd rate, gravelly.
 No timber. Undergrowth, dense mesquite, greasewood, tesseta.
 Mts. land covered with dense undergrowth, and exceptionally difficult to survey, ... 15.04 chs.

N. 0° 3' E. bet. secs. 2 & 3.
 Over mts. land, through dense mesquite & greasewood. Desc. grad.
 5.20 Intersect S. Bdy. San Ignacio del Babocomori Grant, whence 8 mile cor. brs. S. 70° 55' 55" W. 3.60 chs. dist.
 Set a quartzite stone 20x12x10 ins. 15 ins. in ground for Closing Cor. of Secs. 2 & 3, marked C.C. on S.,
 S.I.D.B. on N., with 2 grooves on E. face and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. No bearings available.
 Mts. land covered with dense undergrowth and exceptionally difficult to survey, 5.20 chs.

East on a random line bet. secs. 2 & 11.
 40.00 Set temp. 1/4 sec. cor.
 80.10 Intersect N. & S. line 12 lks. N. of cor. of secs. 1, 2, 11 & 12, whence I run,
 N. 89° 55' W. on a true line bet. secs. 2 & 11
 Over Very broken or mts. land, across stony points of many small ridges along N. edge of mesa.
 Through dense mesquite and greasewood.
 With great difficulty.

Subdivision of Frac. T. 21 S. R. 19 E.

Chains	
1.00	Main wash 1 ch. wide, course NNW. asc.
11.50	Top of ridge, brs. N. & S. desc.
15.50	Draw 2 chs. wide, course N. asc.
15.90	Old road, brs. N. & S.
22.50	Ridge, brs. N. & S. desc.
30.00	Draw 2 chs. wide, course N. asc.
36.00	Point of ridge, brs. N. & S. desc.
40.05	Set a quartzite stone 20x8x8 ins. 15 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. No bearings available.
54.00	Ridge, brs. N. & S. Desc.
61.50	Gulch 50 lks. wide, 30 ft. deep, course N. asc.
69.00	Ridge, brs. N. & S. desc.
74.25	Gulch 20 lks. wide, course N. asc.
75.80	Point of ridge, brs. N. & S. desc.
78.25	Gulch 50 lks. wide, course NNE. asc.
80.10	To cor. of secs. 2, 3, 10 & 11 Land, mts. very broken. Soil, 3rd rate, stony, gravelly. No timber. Undergrowth, mesquite, tesseta, greasewood. Mts. land, or land covered with dense undergrowth, and exceptionally difficult to survey, 80.10 chs. At this cor. at noon, I set off $19^{\circ} 46'$ N. on the decl. arc and observe the sun on the meridian, the resulting lat. is $31^{\circ} 37'$ N.
	East on a random line bet. secs. 1 & 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.30	Intersect W. Bdy. of T. 21 S. R. 20 E. at point 10.74 chs. N. of cor. of secs. 6 & 7, T21S.R20E. mkd. and witnessed as described by the Sur. Gen. Set a quartzite stone 20x10x10 ins. 15 ins. in ground for Closing cor. of secs. 1 & 12, marked, C.C. on W., with 5 grooves on S. faces and 1 groove on N. face, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available. Thence I run, East on a true line bet. secs. 1 & 12. Over very broken mts. land, very stony. along N. points of ridges on N. edge of broken mesa, with great difficulty. asc.
8.00	Ridge, brs. N. & S. desc. through scattering mesquite.
16.00	Main wash 2 chs. wide, course NE.
25.00	Point of ridge, brs. N. & S. desc. J. Rock's house brs. N. 14.00
30.00	Mouth of gulch 2 chs. wide, course N. asc.
34.00	Point of ridge, brs. N. & S. desc. along steep N. slope.
39.30	Set a quartzite stone 20x10x10 ins. 15 ins. in ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. from which, A mesquite tree 6 ins. diam. brs. S. 46° W. 178 lks. dist., marked $\frac{1}{4}$ S. 12 B.T. A mesquite tree 6 ins. diam. brs. N. $81\frac{1}{2}^{\circ}$ W. 198 lks. dist., marked $\frac{1}{4}$ S. 1 B.T. Thence along N. edge of mesa., very broken ground.
44.00	Mouth of wash 2 chs. wide, course N.
79.30	To cor. of secs. 1, 2, 11 & 12. Land, mts., broken. Soil, 3rd rate, stony. No timber. Undergrowth, mesquite, tesseta, greasewood. Mts. land, very broken, or covered with dense undergrowth and exceptionally difficult to survey, 79.30 chs.

Subdivision of Frac. T. 21 S. R. 19 E.

Chains

2.87 N. 0° 3' E. bet. secs. 1 & 2'.
Over rolling land, desc. grad.
Road, brs. E. & W., enter flat, valley of Babocomori Creek.

3.08 Wire fence, brs. E. & W. Enter pasture of Geo. McLane.

10.80 Road, to McLanes house, brs. NW. & SE.

14.00 House of Geo. McLane brs. W. 3 chs. dist.

15.70 Irrigation ditch, brs. E. & W.

21.00 House of Mrs. Clarinda E. McLane, brs.W. 14 chs.dist.

24.60 Wire fence, brs. E. & W. Leave pasture of McLane.

27.00 Desc. abrupt 12 ft. in to Babocomori Creek, course E.

27.90 Middle of Babocomori Creek, course E.,
flows about 10 miners ins, of water at this point.

28.50 Asc. abrupt 12 ft. N.bank of Creek.

30.00 Leave valley and asc.

33.00 Intersect S.Bdy.San Ignacio del Babocomori Grant, whence
7 mile cor. brs. S. 70°55'55" W. 8. 30 chs. dist.
Set a sandstone 24x15x10 ins. 18 ins.in ground for
Closing Cor. of Secs. 1 & 2, marked
C.C. on S.,
S.I.D.B. on N., with 1 groove on E. faces, and
raise a mound of stone 2 ft.base 1½ ft.high S.of cor.
from which,
A mesquite tree 6 ins.diam.brs.S.16°E. 130 lks.dist.,
marked T. 21 S. R. 19 E. S. 1 CC.B.T.
A mesquite tree 8 ins.diam.brs.S.23°W. 113 lks.dist.,
marked T. 21 S. R. 19 E. S. 2 CC.B.T.
House of John Rock brs. S. 71½°E. about 60 chs.
Land rolling, level.
Soil, 1st ,2nd, & 3rd rate, loamy,sandy,gravelly.
Timber, some cottonwood & mesquite in valley of Creek.
Undergrowth, mesquite, willow.
Rolling or level land, 33.00 chs.

3.00 From the cor. of secs. 5,6,31 & 32 on S. bdy. of Tp. as
recently established by me and heretofore described, I run,
N. 0° 1' E. bet. secs. 31 & 32
Over broken mts. land, desc.

10.56 Gulch 80 lks. wide, course NW.
Intersect W. Bdy. of Fort Huachuca Military Reservation,
at point whence,
Cor. No. 1, brs. N. 60° W. 27.25 chs.
Set a granite stone 24x14x10 ins. 18 ins. in ground for
closing cor. marked
C.C. on S.,
F.H.M.R. on NE., with 5 grooves on E. faces, and
raise a mound of stone 3 ft. base 2 ft. high S. of cor.
No bearings available.
Land mts. broken.
Soil, 3rd rate, stony.
Timber, scattering oak.
Mts. & broken land 10.56 chs.

9
NOV 24 1909

BOOK 2165

In the subdivision of this Tp. as I employed my
assistants in the immediate vicinity if the work and
great delay and expense would have been incurred to
appear before a Notary Public or other officer duly
qualified to administer oaths, I was compelled to
administer the preliminary and final oaths to my
assistants.

May 19, 1909.

Jesse B. Wright
U.S. Deputy Surveyor.

In authority for red ink corrections see Deputy letter 9 Sep 7 09.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Jesse B. Wright

9, 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 Sec. 21 S. R. 19 E.

showing the respective capacities in which they acted:

Walter Percival, Chainman.

Rollin Brown, Chainman.

Joe L. Finley, Moundman.

Moundman.

Axman.

Axman.

Aubrey W. Anderson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Jesse B. Wright

9, United States Deputy Surveyor, in surveying all

those parts or portions of the

Subdivision of
Sec. 21 S. R. 19 E.

of the 3rd

R. 3rd meridian, 1st 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 Arizona

Walter Percival, Chainman.

Rollin Brown, Chainman.

Joe L. Finley, Moundman.

Moundman.

Axman.

Axman.

Aubrey W. Anderson, Flagman.

Subscribed and sworn to before me this 19th

day of May, 1909



Jesse B. Wright
U.S. Dep. Surveyor.

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. Dygals United States Surveyor General for Arizona, bearing date of the 9th day of February, 1909, 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 21 S. R. 19 E

of the G&R Bx meridian, in the Twp. 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 4th day of June, 1909

W. H. McHenry
W. H. McHenry



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz, June 30, 1909

The foregoing field notes of the survey of the subdivision lines of
Sec 21 S. R. 19 E. Gila and Salt River
Base and Meridian, Ariz

executed by Jesse B Wright M.D.S. under his contract No. 154, dated July 9, 1909, 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. Dygals
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.