

AUG 22 1910

2250

Book A. +

BOOK 2250

2250

Accepted B.L.O. letter E.
dated Nov. 4-1910

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION OF T. 7 N., R. 15 E.

2250

2250

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

AS SURVEYED BY

Jesse B. Wright, United States Deputy Surveyor,

Under his Contract No. 160, dated October 2, 1909

Survey commenced July 1, 1910

Survey completed July 8, 1910

2250

2250

JW

NAMES AND DUTIES OF ASSISTANTS.

See Book 6

Sub T 87 R 14 E

BOOK 2250

INDEX DIAGRAM.

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White Mountain Indian Res'n.

Meanders Page _____

BOOK 2250

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 _____ }



Chains.

Survey commenced July 1, 1910, and executed with a W. & L. E. Gurley light mountain transit, special make, unnumbered, with Burts Patent solar attachment. The plates of the instrument are provided with two double verniers, placed opposite to each other, and each reading to 1' of arc, which is also the least reading of the verniers of the latitude and declination arcs of the solar.

The West two tiers of sections of this Township being so rough, broken, and mountainous as to be impracticable to survey, and the land therein being of practically no value for agricultural or grazing purposes, I begin at the corner of secs. 4, 5, 32 & 33, on the S.

Bdy. of the Tp., as heretofore established and described by me .Lat. $33^{\circ}53'54''$ N.; long. $110^{\circ}48'49''$ W.

At this cor., I examine and test the adjustments of the transit and solar apparatus, and find same correct; then, in order to test the solar apparatus, by comparing the results of observations for meridians on the sun, made during p.m. & a.m. hours, with a true meridian established by Observations on Polaris, I proceed as follows :

At 5h p.m., l.m.t., I set off $33^{\circ}54'$ N. on the lat. arc, and $23^{\circ}9'$ N. on the decl. arc, and determine a meridian with the solar, and mark the meridian thus determined by a tack in a stake, driven firmly in the ground 5 chs. N. of my station.

At 6h 51m p.m., l.m.t., I observe Polaris at lower culmination, in accordance with instructions in the Manual, and mark the true meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .40 ins. E. of the meridian determined by the solar.

July 1, 1910.

July 2, 1910

At 4h 54m a.m., l.m.t., I observe Polaris at 4h past E. elongation, and turn off the azimuth of Polaris for this hour, $0^{\circ}42'30''$ to the W., and find the meridian thus determined coincides with the meridian established by observation of Polaris at lower culmination on preceding evening.

At 7h a.m., l.m.t., I set off $33^{\circ}54'$ N. on the lat. arc, and $23^{\circ}6\frac{1}{2}'$ N. on the declination arc, and determine a meridian with the solar, which meridian coincides with the meridian established by Polaris observations. Therefore I conclude that the adjustments of the inst. are satisfactory. The magnetic bearing of the true mer at 7h a.m., is N. $14^{\circ}25'$ W., which angle gives the mag. decl. as $14^{\circ}25'$ E.

From the cor. above described, I run, as per instructions, N. $0^{\circ}1'$ E., bet. secs. 32 & 33.

Over mts. land, desc. N. pt., through dense manzanita and scrub oak, with great difficulty.

20.00 Canyon 2 chs. wide, 100 ft. deep, course WSW., asc.

30.00 N. rim of canyon, asc. SE. slope.

40.00 Set a limestone $24 \times 15 \times 10$ ins. 18 ins. in ground for

$\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, from which,

An oak tree 14 ins. diam. brs. S. 39° E. 73 lks. dist., marked $\frac{1}{4}$ S. 33 B.T.

An oak tree 15 ins. diam. brs. N. 45° W. 27 lks. dist., marked $\frac{1}{4}$ S. 32 B.T.

50.00 Top of E. side ridge, desc. ENE. slope.

80.00 Set a limestone $24 \times 14 \times 8$ ins. 18 ins. in ground for

cor. of secs. 28, 29, 32 & 33, marked with 1 notch on S.

and 4 notches on E. edges, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. No bearings available.

Land, mts. Soil, 3rd rate, stony.

Timber, few oak and juniper. Undergrowth, scrub oak, manz.

Mts. land, exceptionally difficult to survey, 80.00 chs.

Chains.

N. 0° 1' E., bet. secs. 23 & 29.
 Over mts. land, desc., through heavy oak & juniper timber, with great difficulty.

12.00 Gulch 50 lks. wide, course ENE., asc.
 25.00 Point of flat spur, brs. E. & W., desc.
 30.00 Gulch 30 lks. wide, course SE., asc. SE. slope, leave timber.
 40.00 Set a sandstone 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. Pits impracticable.

80.00 Set a granite stone 24x12x3 ins. 13 ins. in ground for cor. of secs. 20, 21, 28 & 29, marked with 4 notches on E. & 2 notches on S. edges, and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. from which,
 An oak tree 14 ins. diam. brs. N. 35° W. 9 lks. dist., marked T. 7 N., R. 15 E. S. 20 B.T.
 An oak tree 12 ins. diam. brs. N. 45° E. 20 lks. dist., marked T. 7 N., R. 15 E. S. 21 B.T.

Land, mts. Soil, 3rd rate, stony.
 Timber, oak, juniper, scattering pine.
 Undergrowth, scrub oak, pine.
 Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

N. 0° 1' E., bet. secs. 20 & 21.
 Over mts. land, along steep, stony, E. slope, through heavy oak and juniper, with great difficulty.

25.00 Desc. NE. slope. Top of high peak, brs. West, about 1/2 mile dist., elev. 6000 ft.

40.00 Set a sandstone 20x14x6 ins. 15 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, and from which,
 An oak tree 12 ins. diam. brs. S. 19° E. 20 lks. dist., marked 1/4 S. 21 B.T.
 An oak tree 10 ins. diam. brs. S. 41 1/2° W. 13 lks. dist., marked 1/4 S. 20 B.T.

57.85 Gulch 80 lks. wide, course ENE., thence over very stony ground, sloping slightly to E.,
 76.30 Main gulch 80 lks. wide, course E., asc.
 80.00 Set a granite stone 20x10x10 ins. 15 ins. in ground for cor. of secs. 16, 17, 20 & 21, marked with 3 notches on S. & 4 notches on E. edges, and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor., from which,
 An oak tree 12 ins. diam. brs. S. 11° W. 155 lks. dist., marked T. 7 N., R. 15 E. S. 20 B.T.

No other bearings available. Pits impracticable.

Land, mts.
 Soil, 3rd rate, stony.
 Timber, Oak, juniper, pine.
 Undergrowth, scrub oak, Good native grass.
 Mts. land, heavily timbered, exceptionally difficult to survey, 80.00 chs.

At this cor., at 12h 3 1/2 m p.m., 1 m.t., I set off 23° 5' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 33° 56 1/2' N.

Chains

	N. 0° 1' E., bet. secs. 16 & 17. Over mts. land, asc. ESE. slope, through heavy juniper and oak timber, with great difficulty.
20.00	Top of flat ridge, brs. E. & W., desc. ENE. slope.
35.00	Gulch 50 lks. wide, course E., asc.
40.00	Set a granite stone 20x15x10 ins. 15 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and from which, A juniper tree 30 ins. diam. brs. S. 80° E. 57 lks. dist., marked $\frac{1}{4}$ S. 16 B.T. An oak tree 12 ins. diam. brs. S. 83° W. 41 lks. dist., marked $\frac{1}{4}$ S. 17 B.T. Top of flat ridge, brs. E. & W. A Flat topped peak, elev. 6000 ft., brs. W., about $\frac{3}{4}$ mile. Desc. from cor., over stony ground, broken N. slope.
80.00	Set a sandstone 16x6x4 ins. 12 ins. in ground for cor. of secs. 8, 9, 16 & 17, marked with 4 notches on S. & E. edges, and from which, An oak tree 13 ins. diam. brs. N. 64° E. 30 lks. dist., marked T. 7 N., R. 15 E. S. 9 B.T. An oak tree 24 ins. diam. brs. S. 58 $\frac{1}{2}$ ° E. 61 lks. dist., marked T. 7 N., R. 15 E. S. 16 B.T. An oak tree 6 ins. diam. brs. S. 69° W. 60 lks. dist., marked T. 7 N., R. 15 E. S. 17 B.T. An oak tree 6 ins. diam. brs. N. 53 $\frac{1}{2}$ ° W. 43 lks. dist., marked T. 7 N., R. 15 E. S. 8 B.T. Land, mts. Soil, 3rd rate, stony. Timber, oak, juniper. Undergrowth, scrub oak, good grazing. Mts. land, heavily timbered and exceptionally difficult to survey, 80.00 chs.
	N. 0° 1' E., bet. secs. 8 & 9 . Over mts. broken, land, desc., through dense oak, with great difficulty.
.50	Gulch 20 lks. wide, course E. asc. steep.
4.00	Spur, brs. NW. & SE.,
8.35	Spur, brs. NE. & SW. desc.
18.00	Lacey creek, (dry), 80 lks. wide, course E. Asc. steep S. slope.
25.00	Asc. prec.
40.00	Cor. point falls on perishable ground on prec. S. slope.
50.00	Top of bluff, brs. NW. & SE. Set a sandstone 20x10x8 ins. 15 ins. in ground for witness cor. to $\frac{1}{4}$ sec. cor., marked W.C. $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor., from which, An oak tree 24 ins. diam. brs. S. 5° E. 80 lks. dist., marked $\frac{1}{4}$ S. 9 W.C. B.T. Asc. from cor. on Cripple Horse Mesa.
62.00	Top of mesa, brs. E. & W., desc. grad. very stony ground.
77.00	Leave timber, brs. E. & W.
80.00	Set a sandstone 20x14x10 ins. 15 ins. in ground for cor. of secs., 4, 5, 8 & 9, marked with 5 notches on S. & 4 notches on E. edges, and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. No bearings available. Pits impracticable. Land, mts. broken, rolling. Soil, 3rd rate, stony. Timber, oak, juniper, scattering pine . Undergrowth, scrub oak, good grass. Mts. land, or land heavily timbered and exceptionally difficult to survey, 80.00 chs.

Chains.

N. 0° 1' E., on a random line bet. secs. 4 & 5.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.60 Intersect N. bdy. of Tp. at point 37 lks. E. of cor. of
 sec. 4, 5, 32 & 33, whence I run,
 S. 0° 15' E., on a true line bet. secs. 4 & 5.
 Over mts., broken land, desc. through dense oak and
 juniper, with great difficulty.
 11.00 Gulch 2 chs. wide, 150 ft. deep, course WNW., asc. steep.
 20.00 Top of flat ridge, brs. W. & E., desc. grad.
 30.00 Gulch 50 lks. wide, course NW., asc. steep.
 39.60 Set a sandstone 24x12x6 ins. 18 ins. in ground for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which,
 An oak tree 10 ins. diam. brs. S. 55° W. 46 lks. dist.,
 marked $\frac{1}{4}$ S. 5 B.T.
 An oak tree 20 ins. diam. brs. N. 63° E. 38 lks. dist.,
 marked $\frac{1}{4}$ S. 4 B.T.
 60.00 Top of stony mesa, brs. E. & W., asc. grad.,
 79.60 To cor. of secs. 4, 5, & 8 & 9.
 Land, mts.
 Soil, 3rd rate, stony.
 Timber, oak, pine, juniper.
 Undergrowth, scrub oak, good native grass.
 Mts. land, or land heavily timbered, and exceptionally
 difficult to survey, 79,60 chs.

July 2, 1910.

July 3, 1910.

At 7h a.m., l.m.t., at the cor. of secs. 3, 4, 33 & 34, on S.
 bdy. of Tp. as heretofore established and described by me,
 I set off 23° 2' N. on the decl. arc, and 33° 54' N., on
 the lat. arc, and determine a true meridian with the
 solar.
 Thence I run,
 N. 0° 2' E., bet. secs. 33 & 34.
 Over mts. land, desc. grad. on ridge, through heavy
 oak and juniper timber, with great difficulty.
 16.00 Desc. grad. along E. slope of ridge.
 40.00 Set a sandstone 20x10x8 ins. 15 ins. in ground for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and from which,
 An oak tree 12 ins. diam. brs. S. 63° E. 65 lks. dist.,
 marked $\frac{1}{4}$ S. 34 B.T.
 An oak tree 12 ins. diam. brs. S. 67° W. 39 lks. dist.,
 marked $\frac{1}{4}$ S. 33 B.T.
 50.00 In saddle, brs. N. & SSW., asc. grad.
 60.00 Top of high knoll on ridge, brs. N. & S., desc. steep N. pt.
 80.00 Set a sandstone 24x14x10 ins. 18 ins. in ground for cor.
 of secs. 27, 23, 33 & 34, marked with 1 notch on S. & 3
 notches on E. edges, and from which,
 An oak tree 14 ins. diam. brs. N. 61° E. 79 lks. dist.,
 marked T. 7 N., R. 15 E. S. 27 B.T.
 An oak tree 10 ins. diam. brs. S. 76° E. 108 lks. dist.,
 marked T. 7 N., R. 15 E. S. 34 B.T.
 An oak tree 12 ins. diam. brs. S. 52° W. 15 lks. dist.,
 marked T. 7 N., R. 15 E. S. 33 B.T.
 An oak tree 10 ins. diam. brs. N. 26° W. 63 lks. dist.,
 marked T. 7 N., R. 15 E. S. 28 B.T.
 Land, mts.
 Soil, 3rd rate, stony.
 Timber, oak, pine, juniper.
 Undergrowth, scrub oak, manzanita, Fair grass.
 Mts. land, heavily timbered, exceptionally difficult
 to survey, 80.00 chs.

Chains.	
40.00	West, on a random line bet. secs. 23 & 33. Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect cor. of secs. 23, 29, 32 & 33, whence I run, East, on a true line, bet. secs. 23 & 33. Over mts. land, desc. stony grassy slope, with great difficulty.
11.00	Gulch 50 lks. wide, course NNE, thence, through dense oak. Asc. steep.
80.00	Top of steep ascent, thence asc. grad. along N. slope.
40.05	Set a sandstone 20x10x10 ins. 15 ins. in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which, An oak tree 12 ins. diam. brs. N. 45° W. 48 lks. dist., marked $\frac{1}{4}$ S. 23 B.T. An oak tree 14 ins. diam. brs. S. 30° W. 55 lks. dist., marked $\frac{1}{4}$ S. 33 B.T.
55.00	Top of point, brs. ESE. & WNW., desc. steep.
76.50	Trail, brs. N. & S.
78.00	Gulch, S. branch of rock house creek, 80 lks. wide, course NNE.,
80.10	To cor. of secs. 27, 28, 33 & 34. Land, mts. Soil, 3rd rate, stony. Timber, oak, juniper, scattering pine. Undergrowth, scrub oak, manzanita. Good grass. Mts. land heavily timbered, and exceptionally difficult to survey, 80.10 chs. At this cor. at 12h 4m p.m., 1.m.t., I set off 23° 0' N. on the decl. arc, and observe the sun on meridian. The resulting lat. is 33° 55' N.
	N. 0° 2' E., bet. secs. 27 & 28. Over rolling, pasture land, through heavy oak and juniper timber.
23.15	Draw, 2 chs. wide, course ENE.
30.00	Leave open land, thence along broken E. slope, Draw 5 chs. wide, course E.
40.00	Set a sandstone 13x12x4 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which, An oak tree 8 ins. diam. brs. N. 51° W. 119 lks. dist., marked $\frac{1}{4}$ S. 23 B.T. A juniper tree 10 ins. diam. brs. S. 50° E. 39 lks. dist., marked $\frac{1}{4}$ S. 27 B.T.
69.50	Gulch 50 lks. wide, course E., enter grassy flat.
80.00	Set a sandstone 24x15x12 ins. 18 ins. in ground for cor. of secs. 21, 22, 27 & 28, marked with 2 notches on S. & 3 notches on E. edges, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor., from which, A juniper tree 10 ins. diam. brs. N. 47° W., 234 lks. dist., marked T. 7 N., R. 15 E. S. 22 B.T. No other bearings available. Pits, impracticable. Land, mts., rolling, broken. Soil, 2nd & 3rd rate, gravelly, stony. Timber, oak, juniper. Undergrowth, scrub oak, manzanita, Good grass. Mts. land, or land heavily timbered and exceptionally difficult to survey, 80.00 chs.

Chains

West, on a random line bet. secs. 21 & 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. & S. line at point 9 lks. S. of cor. of
 secs. 20, 21, 23 & 29, whence I run,
 S. $89^{\circ}56'$ E., on a true line bet. secs. 21 & 23.
 Over mts. land, desc. steep, along E. slope, through
 oak and juniper timber., very stony ground.
 with great difficulty.
 26.00 Gulch 50 lks. wide, course NE., enter heavy oak and juniper.
 39.95 Set a sandstone $36 \times 15 \times 6$ ins. 10 ins. in ground to
 bed, rock, in mound of stone for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
 N. face, from which,
 A juniper tree 30 ins. diam. brs. S. 65° W. 66 lks. dist.,
 marked $\frac{1}{4}$ S. 23 B.T.
 A juniper tree 24 ins. diam. brs. N. 5° E. 75 lks. dist.,
 marked $\frac{1}{4}$ S. 21 B.T.
 50.500 Gulch, 80 lks. wide, course ESE., asc. SW. slope.
 60.00 Spur, brs. SE. & NW., desc.
 79.90 To cor. of secs., 21, 22, 27 & 23.
 Land, mts.
 Soil, 2nd & 3rd rate, stony.
 Timber, oak, juniper, pine.
 Undergrowth, scrub oa, manzanita., grass, fair.
 Mts. land, heavily timbered, and exceptionally difficult
 to survey, 79.90 chs.

N. $0^{\circ} 2'$ E., bet. secs. 21 & 22.
 Over mts. land, desc. grad., along broken ENE. slope,
 through scattering juniper and oak, with great
 difficulty.
 19.40 Gulch 30 lks. wide, Rockhouse, creek, course E. asc. grad.
 40.00 Set a sandstone $24 \times 12 \times 8$ ins. 18 ins. in ground for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which,
 A juniper tree 10 ins. diam. brs. N. 62° E. 45 lks. dist.,
 marked $\frac{1}{4}$ S. 22 B.T.
 An oak tree 15 ins. diam. brs. S. 40° W. 62 lks. dist.,
 marked $\frac{1}{4}$ S. 21 B.T.
 Desc. grad, ENE. slope, through dense oak and juniper.
 43.50 Road, Rockhouse, to Ellisons, brs. NW. & SE.
 66.00 Gulch 80 lks. wide, called Tankcreek, course NE., asc.
 77.00 Gulch 60 lks wide, course SE., asc. steep.
 80.00 Set a sandstone $24 \times 12 \times 8$ ins. 18 ins. in ground for
 cor. of secs. 15, 16, 21 & 22, marked 7 N. on NE., 15 E.,
 on SE. faces, with 3 notches on S. & E. edges, from
 which,
 A juniper tree 36 ins. diam. brs. N. 18° E. 113 lks. dist.,
 marked T. 7 N., R. 15 E. S. 15 B.T.
 An oak tree 6 ins. diam. brs. S. 27° E. 30 lks. dist.,
 marked T. 7 N., R. 15 E. S. 22 B.T.
 An oak tree 16 ins. diam. brs. S. 43° W. 209 lks. dist.,
 marked T. 7 N., R. 15 E. S. 21 B.T.
 An oak tree 14 ins. diam. brs. N. 68° W. 44 lks. dist.,
 marked T. 7 N., R. 15 E. S. 16 B.T.
 Land, mts., broken.
 Soil, 3rd rate, gravelly, stony.
 Undergrowth, scrub oak, good grass.
 Timber, oak, juniper, scattering pine.
 Mts. land, or land, heavily timbered and exceptionally
 difficult to survey, 80.00 chs.

July 3, 1910.

July 4, 1910.

Did not work.

Subdivision of T. 7 N., R. 15 E.

Chains.	
	<p>July 5, 1910. At 7h a.m., l.m.t., at the cor. of secs. 15, 16, 21 & 22, I set off 33°56' N. on the lat. arc, and 22°52' N. on the decl. arc, and determine a true mer. with the solar., Thence I run, N. 89°56' W., on a random line bet. secs. 16 & 21.</p>
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. & S. line at point 9 lks. N. of cor. of secs. 16, 17, 20 & 21, whence I run, East, on a true line bet. secs. 16 & 21. Over mts. land, desc. stony ESE. slope, through oak and juniper timber, with great difficulty.
39.98	Set a sandstone 24x14x8 ins. 18 ins. in ground for ¼ sec. cor., marked ¼ on N. face, from which, An oak tree 10 ins. diam. brs. N. 56½° E. 65 lks. dist., marked ¼ S. 16 B.T. Desc. grad. from cor. An oak tree 20 ins. diam. brs. S. 33½° E. 137 lks. dist., marked ¼ S. 21 B.T.
67.00	Road, Rock-house to Ellisons, brs. N. & S.
77.20	Gulch 80 lks. wide, course SSE. asc.
79.96	To cor. of secs. 15, 16, 21 & 22. Land, mts. Soil, 3rd rate, stony. Timber, oak, juniper, scattering pine. Undergrowth, scrub oak, fair grass. Mts. land, heavily timbered, and exceptionally difficult to survey, 79.96 chs.
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	N. 0° 2' E., bet. secs. 15 & 16. Over mts. land, asc. SW. slope of spur, through oak and juniper timber, with great difficulty.
13.00	Top of spur, brs. SE. & NW.,
22.50	Wire fence, brs. E. & W.
24.60	Gulch 20 lks. wide, course SE., thence along broken land, sloping E.
40.00	Set a sandstone 18x3x6 ins. 12 ins. in ground for ¼ sec. cor. marked ¼ on W. face, from which, An oak tree 20 ins. diam. brs. N. 50° W. 87 lks. dist., marked ¼ S. 16 B.T. A juniper tree 16 ins. diam. brs. N. 73° E. 55 lks. dist., marked ¼ S. 15 B.T.
45.70	Gulch, 30 lks. wide, course ESE.
58.65	Road, brs. NE. & SW., top of ridge, brs. E. & W. desc.
75.65	Gulch, 50 lks. wide, course ESE. asc.
79.50	Road, brs. NW. & SE.
80.00	Sandstone 24x15x10 ins. on bed-rock, in mound of stone for cor. of secs. 9, 10, 15 & 16, marked with 4 notches on S. & 3 notches on E. edges, from which, An oak tree 4 ins. diam. brs. N. 70° E. 128 lks. dist., marked T. 7 N., R. 15 E. S. 10 B.T. An oak tree 14 ins. diam. brs. S. 60¾° E. 133 lks. dist., marked T. 7 N., R. 15 E. S. 15 B.T. An oak tree 14 ins. diam. brs. S. 76¼° W. 119 lks. dist., marked T. 7 N., R. 15 E. S. 16 B.T. An oak tree 14 ins. diam. brs. N. 30½° W. 25 lks. dist., marked T. 7 N., R. 15 E. S. 9 B.T.
	Land, mts., broken. Soil, 3rd rate, stony. Timber, oak, juniper. Undergrowth, scrub oak. Good grass. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

Chains	West, on a random line bet. secs. 9 & 16
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. & S. line at point 7 lks. S. of cor. of secs. 8, 9, 16 & 17, whence I run, S. $39^{\circ}57'$ E., on a true line bet. secs. 9 & 16. Over mts. land, desc. through dense oak and juniper, with great difficulty.
2.00	Gulch 30 lks. wide, course ESE.
22.00	Gulch 40 lks. wide, course NNE. Desc. along broken N. slope, very stony ground.
39.95	Set a limestone 18x6x6 ins. 12 ins. in ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which, An oak tree 10 ins. diam. brs. N. 47° E. 23 lks. dist., marked $\frac{1}{4}$ S. 9 B.T. A juniper tree 36 ins. diam. brs. S. 56° W. 46 lks. dist., marked $\frac{1}{4}$ S. 16 B.T.
61.20	Gulch, 50 lks. wide, course SE., thence along stony S. slope, desc. grad.
79.50	Road, brs. NW. & SE.,
79.90	To cor. of secs. 9, 10, 15 & 16. Land, mts., broken. Soil, 3rd rate, stony. Timber, oak, juniper, scattering pine. Undergrowth, scrub oak, pine, fair grass. Mts. land, heavily timbered, and exceptionally difficult to survey, 79.90 chs.

At the above described cor. at 12h 4m p.m., l.m.t.,
I set off $22^{\circ}50'$ N. on the decl. arc, and observe the
sun on the meridian, The resulting lat. is $33^{\circ}57'$ N.

	N. $0^{\circ} 2'$ E., bet. secs. 9 & 10. Over mts. land, asc. through heavy oak and juniper, with great difficulty.
2.10	Road, brs. NE. & SW.
3.00	Top of low ridge, brs. E. desc.
12.00	Gulch 50 lks. wide, course E., asc. steep.
40.00	Set a sandstone 24x14x10 ins. 18 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, from which, A juniper tree 14 ins. diam. brs. S. 87° E. 70 lks. dist., marked $\frac{1}{4}$ S. 10 B.T. An oak tree 14 ins. diam. brs. N. 79° W. 83 lks. dist., marked $\frac{1}{4}$ S. 9 B.T.
70.00	Top of high, rocky spur from mesa, brs. E. & W. desc. grad. Box canyon, 5 chs. wide, 200 ft. deep, course E. asc.
80.00	Top of ridge, brs. E. & W. Set a sandstone 24x14x10 ins. 18 ins. in ground for cor. of secs. 3, 4, 9 & 10, marked with 5 notches on S. & 3 notches on E. edges, and from which, A juniper tree 24 ins. diam. brs. N. 19° E. 103 lks. dist., marked T. 7 N., R. 15 E. S. 3 B.T. A juniper tree 30 ins. diam. brs. S. 12° E. 96 lks. dist., marked T. 7 N., R. 15 E. S. 10 B.T. A juniper tree 24 ins. diam. brs. S. $32\frac{1}{2}^{\circ}$ W. 246 lks. dist., marked T. 7 N., R. 15 E. S. 9 B.T. A juniper tree 28 ins. diam. brs. N. 61° W. 43 lks. dist., marked T. 7 N., R. 15 E. S. 4 B.T.
	Land, mts. Soil, 3rd rate, stony. Timber, oak, juniper, scattering pine. Undergrowth, scrub oak, manzanita. Good grass on mesa. Mts. land, heavily timbered and exceptionally difficult to survey, 80.00 chs.

Subdivision of T. 7 N., R. 15 E.

Chains	N. 89° 57' W., on a random line bet. secs. 4 & 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. & S. line at point 7 lks. S. of cor. of secs. 4, 5, 8 & 9, whence I run, S. 89° 54' E., on a true line bet. secs. 4 & 9. Over mts. land, desc. grad., over very stony ground, through scattering oak and juniper timber, with great difficulty.
10.00	Enter heavy oak and juniper.
39.90	Set a sandstone 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. Pits, impracticable.
79.80	To cor. of secs. 3, 4, 9 & 10. Land, mts. Soil, stony, 3rd rate. Timber, oak, juniper, scattering pine. Undergrowth, scattering scrub oak, good native grass. Mts. land, or land heavily timbered and exceptionally difficult to survey, 79.80 chs.
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40.00	N. 0° 15' W., on a random line, bet. secs. 3 & 4. Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. bdy. of Tp. at point 23 lks. W. of cor. of secs. 3, 4, 33 & 34, whence I run, S. 0° 5' E., on a true line bet. secs. 3 & 4. Over rolling flat, known as Cross Roads Flat, through jungle of manzanita and scrub oak with great difficulty.
30.00	Leave dense brush and flat, and asc. grad., through dense oak and juniper timber.
39.90	Set a sandstone 20x12x4 ins. 15 ins. in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone 3 ft. base 2 ft. high W. of cor. No bearings available. Pits, impracticable. Cor. in small opening, brs. E. & W.
42.70	Gulch 30 lks. wide, course ESE.
48.50	Road, brs. NW. & SE.
55.50	Gulch 20 lks. wide, course NE. enter open flat.
65.00	Leave flat, asc. steep, stony NE. slope, through heavy oak and juniper.
79.90	To cor. of secs. 3, 4, 9 & 10. Land, mts., rolling, broken. Soil, 2nd & 3rd rate, gravelly; stony. Timber, oak, juniper. Undergrowth, manzanita, scrub oak, thorn, . Good grass. Mts. land, or land heavily timbered, exceptionally difficult to survey, 79.90 chs.

July 5, 1910.

Chains	<p>July 6, 1910.</p> <p>At 7h a.m., l.m.t., at the cor. of secs. 2, 3, 34 & 35, on S. bdy. of Tp. as heretofore established and described; I set off 33° 54' N. on the lat. arc, and 22° 46' N. on the decl. arc, and determine a true mer. with the solar. Thence I run, N. 0° 2' E., bet. secs. 34 & 35. Over mts. land, desc., through dense oak and juniper, with great difficulty.</p> <p>6.00 Gulch 20 lks. wide, course E., asc. 16.00 Top of dividing ridge, brs. NE. & SW., elev. 6000 ft. Desc. NW. slope, through heavy oak timber. 40.00 Set a sandstone 20x10x10 ins. 15 ins. in ground for ¼ sec. cor. marked ¼ on W. face, from which, An oak tree 24 ins. diam. brs. S. 10° E. 6 lks. dist., marked ¼ S. 35 B.T. An oak tree 20 ins. diam. brs. S. 20° W. 11 lks. dist., marked ¼ S. 34 B.T. 47.55 Gulch 80 lks. wide, course NNW., desc. along E. side of same. 76.00 Gulch 80 lks. wide, course NE., asc. steep. 80.00 Set a sandstone 36x10x6 ins. , on bed-rock, in mound of stone for cor. of secs. 26, 27, 34 & 35, from which, An oak tree 14 ins. diam. brs. N. 77½° W. 14 lks. dist., marked T. 7 N., R. 15 E. S. 27 B.T. An oak tree 14 ins. diam. brs. N. 81° E. 42 lks. dist., marked T. 7 N., R. 15 E. S. 26 B.T. An oak tree 24 ins. diam. brs. S. 81½° E. 69 lks. dist., marked T. 7 N., R. 15 E. S. 35 B.T. An oak tree 20 ins. diam. brs. S. 43° W. 40 lks. dist., marked T. 7 N., R. 15 E. S. 34 B.T. A flat butte, brs. SE. ½ mile, Called Brush Top Mtn. Land, mts., broken. Soil, 3rd rate, stony. Timber, very heavy oak and juniper. Undergrowth, scrub oak, buckbrush. Good grazing. Mts. land, heavily timbered and exceptionally difficult to survey, 80.00 chs.</p>
40.00	<p>West, on a random line bet. secs. 27 & 34. Set temp. ¼ sec. cor.</p>
30.10	<p>Intersect N. & S. line at point 9 lks. S. of cor. of secs. 27, 28, 33 & 34, whence I run, S. 39° 56' E., on a true line bet. secs. 27 & 34, Over very broken N. slope, through dense oak and juniper timber, with great difficulty.</p>
40.05	<p>Set a sandstone 18x10x6 ins. 12 ins. in 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. Pits, impracticable.</p>
41.00	<p>Gulch 30 lks. wide, course N., asc.</p>
49.10	<p>Top of long spur, brs. N. & S., desc. NE. slope.</p>
60.00	<p>Along very broken N. slope.</p>
80.10	<p>To cor. of secs. 26, 27, 34 & 35, Land, mts. Soil, 3rd rate, gravelly, stony. Timber, oak, juniper. Undergrowth, scrub oak, buckbrush. Mts. land, heavily timbered, exceptionally difficult to survey, 80.10 chs.</p>

Chains.

East, bet. secs. 26 & 35.
Over mts. land, desc. through dense oak and juniper, with great difficulty.

2.50 Gulch 30 lks. wide, course N., thence along broken NW. slope of mtn. asc. steep

7.00 Top, thence along N. slope.

27.27 Wire fence, brs. NNE. & SSW. Willow spring pasture fence.

38.40 Row of fence posts, brs. N. & S.

38.60 Intersect West Bdy. of White Mountain or Fort Apache Indian Reservation.

Set a limestone 36x20x6 ins., on bed-rock, in mound of stone for closing cor. of secs. 26 & 35, marked C.C., on W., W.M.I.R. on E. faces, with 1 groove on S. faces, from which,

A juniper tree 24 ins. diam. brs. S. 43 $\frac{1}{2}$ ° W. 43 lks. dist., marked T. 7 N., R. 15 E. S. 35 C.C.B.T.

An oak tree 12 ins. diam. brs. N. 51 $\frac{1}{2}$ ° W. 50 lks., dist., marked T. 7 N., R. 15 E. S. 26 C.C.B.T.

The 26 $\frac{1}{2}$ mile cor. on W. Bdy. of White Mountain Indian Reservation, brs. North, 15.55 chs. dist., which is a limestone 13x10x6 ins. above ground, marked and witnessed as described by the Surveyor General.

Land, mts. Soil, 3rd rate, stony.
Timber, oak, juniper.
Undergrowth, dense scrub oak. good grass in places.
Mts. land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 38.60 chs.
At this cor., at 12h 4 $\frac{1}{2}$ m p.m., l.m.t., I set off 22° 44 $\frac{1}{2}$ ' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 33° 55' N. ✓

North, bet. secs. 26 & 27.
Over mts. land, desc. through oak and juniper, with great difficulty.

3.00 Enter gulch 50 lks. wide, course NNE.

6.00 Leave gulch, course NE., asc. SE. slope.

20.00 Spur, brs. ESE. & WNW., desc.

29.60 Gulch 50 lks. wide, course E., asc.

36.63 Wire fence, brs. NW. & SE.

39.00 Gulch 30 lks. wide, course SE., asc.

40.00 Set a sandstone 20x14x4 ins. 15 ins. in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and from which,
An oak tree 8 ins. diam. brs. S. 55° E. 34 lks. dist., marked $\frac{1}{4}$ S. 26 B.T.
An oak tree 24 ins. diam. brs. S. 50° W. 64 lks. dist., marked $\frac{1}{4}$ S. 27 B.T.

50.00 Top of ridge, brs. ESE. & WNW., desc., through dense manzanita and scrub oak.

71.50 Gulch 2 chs. wide, course E. asc.

80.00 Set a sandstone 20x10x6 in s. 15 ins. in ground for cor. of secs. 22, 23, 26 & 27, marked with 2 notches on S. & E. edges, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor., from which,
An oak tree 24 ins. diam. brs. N. 38° E. 22 lks. dist., marked T. 7 N., R. 15 E. S. 23 B.T.
An oak tree 18 ins. diam. brs. S. 27° E. 77 lks. dist., marked T. 7 N., R. 15 E. S. 26 B.T.
A juniper tree 13 ins. diam. brs. S. 57° W. 114 lks. dist., marked T. 7 N., R. 15 E. S. 27 B.T.

No other trees available.
Land, mts. broken. Soil, 3rd rate, stony.
Timber, oak, juniper.
Undergrowth, scrub oak, manzanita.
Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

Chains.

N. 39°56' W., on a random line bet. secs. 22 & 27
 40.00 Set temp. 1/4 sec. cor.
 80.04 Intersect N. & S. line at point 9 lks. N. of cor. of
 secs. 21, 22, 27 & 28, whence I run,
 East, on a true line bet. secs. 27 & 22.
 Over mts. land, desc. grad., through scattering oak
 and juniper, with great difficulty.
 6.00 Wash 80 lks. wide, course ENE.
 20.50 Gulch 30 lks. wide, course NE., asc. steep.
 37.00 Top of W. end of hill, brs. E. & W.
 40.02 Set a sandstone 24x12x3 ins. 18 ins. in 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., pits impracticable.
 A stone house, known as the Reck-house, with well and
 corral, brs. North about 45 chs. dist., now owned
 by D. Marley.
 Desc. from cor., grad. along flat ridge.
 55.50 Wire fence, brs. N. & S., desc. SE. slope. In keystone pasture.
 80.04 To cor. of secs. 22, 23, 26 & 27.
 Land, mts.
 Soil, 3rd rate, stony.
 Undergrowth, scrub oak, scattering. Good grass.
 Timber, scattering oak and juniper, heavy.
 Mts. land, exceptionally difficult to survey, 80.04 chs.

East, bet. secs. 23 & 26.

Over mts. land, desc., through heavy oak and
 juniper timber, with great difficulty.
 5.00 Enter stony draw, course NE.
 9.00 Leave draw, thence along, steep, stony, N. slope.
 20.00 Desc. grad. NE. slope.
 38.55 Intersect West Bdy. of White Mountain Indian Reservation.
 Set a limestone 24x10x6 ins. 18 ins. in ground for
 closing cor. of secs. 23 & 26, marked
 C.C. on W.,
 W.M.I.R. on E., with 2 grooves on S. faces, from which,
 An oak tree 12 ins. diam. brs. S. 79° W. 43 lks. dist.,
 marked T. 7 N., R. 15 E. S. 26 C.C.B.T.
 An oak tree 8 ins. diam. brs. N. 77° W. 66 lks. dist.,
 marked T. 7 N., R. 15 E. S. 23 C.C.B.T.
 25 1/2 mile cor. on W. Bdy. of White mountain Indian
 Reservation, brs. North, 15.30 chs. dist., which is a
 limestone 13x12x7 ins. above ground, marked and
 witnessed as described by the Surveyor General.
 Land, mts.
 Soil, 3rd rate, very stony.
 Timber, oak, juniper, scattering pine.
 Undergrowth, scrub oak, manzanita.
 Mts. land, heavily timbered, exceptionally difficult
 to survey, 38.55 chs.

July 6, 1910.

Chains.	
	<p>July 7, 1910. At 7h a.m., l.m.t., at the cor. of secs. 22, 23, 26 & 27, I set off $22^{\circ} 40\frac{1}{2}'$ N. on the decl. arc, and $33^{\circ} 55\frac{1}{2}'$ N. on the lat. arc, and determine a true meridian with the solar; Thence I run, N. $0^{\circ} 2'$ E., bet. secs. 22 & 23. Over mts. land, asc, on stony ground, through heavy oak timber, with great difficulty.</p>
20.00	Leave timber, enter open stony draw.
27.00	Main Draw, Rock-house creek, 80 lks. wide, course SE., Asc. grad.
40.00	Set a sandstone $24 \times 15 \times 6$ ins. 18 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available. Pits impracticable.
50.00	Flat ridge, brs. E. & W., desc.
69.00	Gulch 50 lks. wide, course E., asc.
80.00	Set a sandstone $24 \times 14 \times 3$ ins. 18 ins. in ground for cor. of secs. 14, 15, 22 & 23, marked with 3 notches on S. & 2 notches on E. edges, from which, An oak tree 20 ins. diam. brs. N. $14\frac{1}{2}^{\circ}$ E. 78 lks. dist., marked T. 7 N., R. 15 E. S. 14 B.T. An oak tree 20 ins. diam. brs. S. 76° E. 53 lks. dist., marked T. 7 N., R. 15 E. S. 25 B.T. An oak tree 20 ins. diam. brs. S. $5\frac{1}{2}^{\circ}$ W. 84 lks., dist. marked T. 7 N., R. 15 E. S. 22 B.T. An oak tree 10 ins. diam. brs. N. 22° W. 65 lks. dist., marked T. 7 N., R. 15 E. S. 15 B.T. Land, mts., Soil, 3rd rate, stony. Timber, scattering, heavy oak and juniper. Undergrowth, scattering scrub oak. Good grass. Mts. land, exceptionally difficult to survey, 80.00 chs.
40.00	West, on a random line bet. secs. 15 & 22. Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. & S. line at point 10 lks. S. of cor. of secs. 15, 16, 21 & 22, whence I run, S. $89^{\circ} 56'$ E., on a true line bet. secs. 15 & 22 Over mts., broken land, asc. grad. along stony S. slope of ridge, with great difficulty.
37.30	Wire fence, called drift fence, brs. N. & S., enter Keystone pasture
40.10	Set a limestone $24 \times 12 \times 10$ ins. 18 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which, A juniper tree 36 ins. diam. brs. N. $76\frac{1}{2}^{\circ}$ E. 95 lks. dist., marked $\frac{1}{4}$ S. 15 B.T. A juniper tree 24 ins. diam. brs. S. 50° W. 61 lks. dist., marked $\frac{1}{4}$ S. 22 B.T. Desc. from cor.
51.50	Gulch 50 lks. wide, course SE. asc.
55.00	Spur, brs. SE. & NW., desc.
60.50	Gulch 30 lks. wide, course SE., asc.
75.00	Wire fence, brs. NE. & SW. Flat ridge, brs. SE. & NW., desc.
76.70	Stony Gulch, 50 lks. wide, course NE., Tank Creek.
80.20	To cor. of secs. 14, 15, 22 & 23. Land, mts., broken. Soil, 3rd rate, stony. Timber, juniper, oak. Undergrowth, scattering scrub oak. Fair grass. Mts. land, exceptionally difficult to survey, 80.20 chs. At this cor. at 12h 4 $\frac{1}{2}$ p.m., l.m.t., I set off $22^{\circ} 38'$ N. on the decl. arc and observe the sun on the meridian. The resulting lat. is $33^{\circ} 56'$ N.

Chains.

East, bet. secs. 14 & 23.
 Asc. West slope, through dense oak and juniper, with great difficulty.
 7.00 Top of slope, brs. N. & S., desc.
 14.50 Stony gulch, 50 lks. wide, course N., asc. broken NW. slope.
 37.08 Wire fence, brs. N. & S. *or East of*
 38.25 Intersect W. bdy. of White Mtn. Indian Reservation.
 Set a sandstone 20x12x6 ins. 15 ins. in ground for closing cor. of secs. 14 & 23, marked C.C. on W.,
 W.M.I.R. on E., with 3 grooves on S. faces, from which,
 A juniper tree 8 ins. diam. brs. S. 38° W., 81 lks. dist., marked T. 7 N., R. 15 E. S. 23 C.C.B.T.
 A juniper tree 8 ins. diam. brs. N. 47° W., 164 lks. dist., marked T. 7 N., R. 15 E. S. 14 C.C.B.T.
 The 24¹/₂ mile cor. on W. bdy. of White Mountain Indian Reservation brs. North 15.44 chs. dist, which is a limestone 13x7x6 ins. above ground marked and witnessed as described by the Surveyor General.
 Land, mts. Soil, 3rd rate, stony.
 Timber, oak, juniper. Undergrowth, scrub oak, Good grass.
 Mts. land, heavily timbered, exceptionally difficult to survey, 38.25 chs.

N. 0° 2' E., bet. secs. 14 & 15.
 Over mts. land, desc. through dense oak and juniper, with great difficulty.
 2.50 Gulch 30 lks. wide, course ENE, asc.
 8.40 Wire fence, brs. NE. & SW., Keystone pasture fence.
 20.00 Spur, brs. ENE. & WSW. desc.
 29.00 Gulch 30 lks. wide, course ESE., asc.
 36.00 Spur, brs. E. & W. desc.
 40.00 Set a sandstone 24x15x10 ins. 18 ins. in ground for ¹/₄ sec. cor., marked ¹/₄ on W. face, from which,
 An oak tree 24 ins. diam. brs. S. 62° E. 71 lks. dist., marked ¹/₄ S. 14 B.T.
 An oak tree 14 ins. diam. brs. S. 13° W. 15 lks. dist., marked ¹/₄ S. 15 B.T. (Ascend.)
 59.00 Top of ridge, brs. E. & W., desc. steep, through dense scrub oak, and manzanita.
 79.70 Gulch 50 lks. wide, course NE., asc.
 80.00 Set a sandstone 24x14x8 ins. 13 ins. in ground for cor. of secs. 10, 11, 14 & 15, marked with 4 notches on S. & 2 notches on E. edges, from which,
 An oak tree 6 ins. diam. brs. N. 45¹/₂° E. 49 lks. dist., marked T. 7 N., R. 15 E. S. 11 B.T.
 An oak tree 8 ins. diam. brs. S. 29° E. 75 lks. dist., marked T. 7 N., R. 15 E. S. 14 B.T.
 An oak tree 15 ins. diam. brs. S. 4° W. 74 lks. dist., marked T. 7 N., R. 15 E. S. 15 B.T.
 A juniper tree 8 ins. diam. brs. N. 7° W. 15 lks. dist., marked T. 7 N., R. 15 E. S. 10 B.T.
 Land, mts. Soil, 3rd rate, stony.
 Timber, oak, juniper, pine.
 Undergrowth, scrub oak, manzanita, buckbrush.
 Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

Subdivision of T. 7 N., R. 15 E.

Chains	
	N. 89°56' W., on a random line bet. secs. 10 & 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. & S. line at point 5 lks. N. of cor. of secs. 9, 10, 15 & 16, whence I run, S. 89°58'E., on a true line bet. secs. 10 & 15. Over mts. land, desc. through dense oak and juniper timber, with great difficulty.
11.40	Gulch 80 lks. wide, course ENE., thence over very broken stony ground, drainage to NE.
32.70	Gulch 30 lks. wide, course, NE., enter dense manzanita.
40.00	Set a sandstone 24x15x10 ins. 18 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which, An oak tree 12 ins. diam. brs. N. 36 $\frac{3}{4}$ ° E. 58 lks. dist., marked $\frac{1}{4}$ S. 10 B.T. An oak tree 14 ins. diam. brs. S. 12° E. 56 lks. dist., marked $\frac{1}{4}$ S. 15 B.T.
42.60	Gulch 30 lks. wide, course NE.,
46.00	Gulch 30 lks. wide, course NNE.,
56.20	Gulch 30 lks. wide, course NNE.
80.00	To cor. of secs. 10, 11, 14 & 15, Land, mts., broken. Soil, 3rd rate, stony. Undergrowth, scrub oak, manzanita. Timber, oak, juniper, scattering pine. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	East, bet. secs. 11 & 14. Over broken mts. land, desc. grad. over loose stones. with great difficulty.
.40	Gulch 50 lks. wide, course NE., thence along E. side of same.
21.20	Same gulch, course ESE.
29.00	" " " ENE.
35.90	" " " SE., ascend abrupt.
38.00	Intersect W. bdy. of White Mtn. ^{of Fort Apache} Indian Reservation. Set a limestone 24x15x10 ins. 18 ins. in ground for closing cor. of secs. 11 & 14, marked C.C. on W., W.M.I.R. on E., with 4 grooves on S. face, from which, An oak tree 20 ins. diam. brs. N. 59° W. 105 lks. dist., marked T. 7 N., R. 15 E. S. 11 C.C.B.T. An oak tree 10 ins. diam. brs. S. 21° W. 55 lks. dist., marked T. 7 N., R. 15 E. S. 14 C.C.B.T. The 23 $\frac{1}{2}$ mile cor. on W. bdy. of White Mtn. Indian Reservation, brs. North, 15.59 chs. dist. which is a sandstone 12x10x7 ins. above ground, marked and witnessed as described by the Surveyor General. Land, Mts., broken. Soil, 3rd rate, stony. Timber, oak, juniper. Undergrowth, scrub oak, manzanita. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 38.00 chs. July 7, 1910.
	July 8, 1910. At 7h a.m., l.m.t., at the cor. of secs. 10, 11, 14 & 15, I set off 33°57' N. on the lat. arc, and 22°34' N. on the decl. arc, and determine a true meridian with the solar., Thence I run,

Chains.	N. 0° 2' E., bet. secs. 10 & 11. Over broken mts. land, asc. through dense scrub oak and manzanita, heavy juniper and oak timber, with great difficulty.
9.00	Spur, brs. E. & W., desc.
16.00	Confluence of three washes, from NNE., W., and NW. main wash runs SSE. after junction.
20.00	Asc. steep ESE. slope.
40.00	Set a quartzite stone 20x12x6 ins. 15 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, from which, A juniper tree 20 ins. diam. brs. N. 31 1/2° E. 29 lks. dist., marked 1/4 S. 11 B.T. An oak tree 6 ins. diam. brs. S. 32° W. 75 lks. dist., marked 1/4 S. 10 B.T. Top of rise. Old ruins of prehistoric origin, brs. N. 80° E. about 8 chs. dist. remains of walls 100 ft. sq. 4 ft. high. on top of knoll.
52.00	Gulch 30 lks. wide, course ESE. asc.
80.00	Set a sandstone 24x12x8 ins. 18 ins. in ground for cor. of secs. 2, 3, 10 & 11, marked with 5 notches on S. & 2 notches on E. edges, and from which, An oak tree 8 ins. diam. brs. N. 63 1/4° E. 30 lks. dist., marked T. 7 N., R. 15 E. S. 2 B.T. An oak tree 8 ins. diam. brs. N. 32 1/2° W. 13 lks. dist., marked T. 7 N., R. 15 E. S. 3 B.T. An oak tree 8 ins. diam. brs. S. 40 3/4° E. 47 lks. dist., marked T. 7 N., R. 15 E. S. 11 B.T. An oak tree 8 ins. diam. brs. S. 76° W. 19 lks. dist., marked T. 7 N., R. 15 E. S. 10 B.T. Land, mts., broken, Soil, 3rd rate, stony. Timber, oak, juniper. Undergrowth, scrub oak, manzanita. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
40.00	N. 89° 58' W., on a random line bet. secs. 3 & 10. Set temp. 1/4 sec. cor.
80.10	Intersect N. & S. line at point 9 lks. N. of cor. of sec. 3, 4, 9 & 10, whence I run, N. 89° 58' E., on a true line bet. secs. 3 & 10. Over mts. land, desc. through oak and juniper timber, and dense scrub oak, with great difficulty.
31.00	Head of Gulch, course NE., asc.
40.05	Set a quartzite stone 24x12x8 ins. 18 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, from which, A juniper tree 30 ins. diam. brs. N. 66 1/2° E. 79 lks. dist., marked 1/4 S. 3 B.T. A juniper tree 10 ins. diam. brs. S. 29° W. 11 lks. dist., marked 1/4 S. 10 B.T. desc. from cor.
46.00	Gulch 50 lks. wide, course SSE.
51.00	Road, brs. NW. & SE.
73.50	Top of low ridge, brs. ESE. & WNW.
80.10	To cor. of secs. 2, 3, 10 & 11. Land, mts. Soil, 3rd rate, stony. Timber, oak, juniper, scattering pine. Undergrowth, scrub oak, manzanita, buckbrush. Good grass. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.10 chs. At this cor. at 12h 5m p.m., 1.m.t., I set off 22° 32' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 33° 53' N.

Chains
 37.55 East, bet. secs. 2 & 11.
 Over mts. land, desc. grad., through dense scrub oak, with great difficulty. *or Just Apache*
 Intersect W. bdy. of White Mtn. Indian Reservation.
 Set a sayenite stone 20x12x10 ins. 15 ins. in ground for closing cor. of secs. 2 & 11, marked C.C. on W., W.M.I.R. on E., with 5 grooves on S. face, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. No trees available. Pits impracticable.
 The 22½ mile cor. on W. bdy. White Mtn. Indian Reservation, brs. North, 15.31 chs. dist., which is a sandstone 13x13x6 ins. above ground, marked and witnessed as described by the Surveyor General.
 Land, mts. Soil, 2nd rate, gravelly.
 Timber, oak, juniper. Undergrowth, scrub oak, manzanita.
 Mts. land covered with dense undergrowth, and exceptionally difficult to survey, 37.55 chs.

40.00 N. 0° 5' W., on a random line bet. secs. 2 & 3.
 80.00 Set temp. ¼ sec. cor.
 Intersect N. bdy. of tp at point 12 lks. W. of cor. of secs. 2, 3, 34 & 35, whence I run, South, on a true line bet. secs. 2 & 3.
 Over broken stony mesa, through dense manzanita and scrub oak, with great difficulty.
 25.00 Gulch 50 lks. wide, Campbells creek, course NE. water 10 chs. down same.
 40.00 Set a granite stone 16x6x8 ins. 12 ins. in ground for ¼ sec. cor. marked ¼ on N. face, from which,
 An oak tree 14 ins. diam. brs. N. 19¾° W. 67 lks. dist., marked ¼ S. 3 B.T.
 An oak tree 10 ins. diam. brs. N. 56¾° E. 23 lks. dist., marked ¼ S. 2 B.T.
 50.00 Abandoned log cabin and corral, brs. East 10 chs. dist.
 80.00 To cor. of secs. 2, 3, 10 & 11.
 Land, mts. rolling.
 Soil, 2nd & 3rd rate, gravelly, stony.
 Timber, oak, juniper.
 Undergrowth, scrub oak, manzanita. very dense.
 Land covered with dense undergrowth, and exceptionally difficult to survey, 80.00 chs.
 During the subdivision of this Tp., I destroyed the erroneous corners established under contracts Nos. 119 & 147.

General Description.

This Township lies on a high broken mesa, between Cherry and Canyon Creeks; general elevation, 5400 ft. The land is fairly well timbered with oak and juniper with some pine on the higher points, with dense thickets of scrub oak and manzanita.
 There is but little water in the Tp. and no permanent settlement.
 D. Marley and sons, have acquired the cattle range and rights of the former settlers, and the whole Tp. is well stocked with cattle.
 There is much fine grazing land in the open stretches and on the higher mesas, and some agricultural land in several of the broader draws.

July 8, 1910.

Jose B. Wright
 U.S. Deputy Surveyor.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, 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 _____

showing the respective capacities in which they acted:

- _____, *Chainman.*
- _____, *Chainman.*
- _____, *Moundman.*
- _____, *Moundman.*
- _____, *Axman.*
- _____, *Axman.*
- _____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, 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 _____

- _____, *Chainman.*
- _____, *Chainman.*
- _____, *Moundman.*
- _____, *Moundman.*
- _____, *Axman.*
- _____, *Axman.*
- _____, *Flagman.*

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



18 For FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

See Book 6

BOOK 2250

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 190 _____, 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 _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ 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 _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Henry C. May 26, 1901

The foregoing field notes of the survey of the subdivision lines of Tp 7N Rg. 15E Gila and Salt River Meridian, Arizona.

executed by _____ under his contract No. 160, dated Oct 2, 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 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.