

AUG 26 1910

19

4-679.

Accepted - S. I. O. letter E.  
dated Mar. 4 - 1912

Book. E.

2251

BOOK 2251

2251

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision of T. 8 N., R. 15 E.

2251

2251

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, 190

Survey commenced July 9, 1910., 190

Survey completed July 21, 1910., 190

6-151

2251

2251

1A

BOOK 2251

*For* NAMES AND DUTIES OF ASSISTANTS.

*See Book 6. subs. of J. S. W. R. 14 C.*

BOOK 2251

INDEX DIAGRAM.

Township 8 N., Range 15 E.

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

Reservation  
 White Mountain Indian

Meanders Page.....

For PRELIMINARY OATHS OF ASSISTANTS.

See Book G, sub. T & N. R 14 E.

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 9, 1910, and executed with a W. & L.E. Gurley light mountain transit, special make, unnumbered, with Burt's 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 latitude and declination arcs of the solar.

I begin as per instructions, at the cor. of secs.

5, 6, 31 & 32, on the S. Bdy. of the Tp., as heretofore established and described by me.

At this cor., I examine and test carefully 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 4 h p.m., l.m.t., at the cor. above described;

I set off  $22^{\circ}24'$  N. on the decl. arc, and  $33^{\circ}59'$  N. on the lat. arc, and determine a meridian with the solar, and mark the meridian thus determined by a cross on a stone firmly set in the ground, 5 chs. N. of my station.

At 6h 19 $\frac{1}{2}$  p.m., l.m.t., I observe Polaris at lower culmination, in accordance with instructions in the Manual, and mark the meridian thus determined by a cross on the stone set in the ground 5 chs. N. of my station, which point falls .25 ins. W. of the meridian point as determined by the solar. July 9, 1910.

July 10, 1910.

At 7h a.m., l.m.t., I set off  $22^{\circ}20'$  N., on the decl. arc, and  $33^{\circ}59'$  N. on the lat. arc, and determine a meridian with the solar, and mark the meridian thus determined by a cross on the stone set in the ground 5 chs. N. of my station, which point falls .25 ins. W. of the meridian point as determined by observations on Polaris.

The solar apparatus, by a.m. and p.m. observations, defines positions for meridians, about 13" W. & E., respectively of the meridian as determined by Polaris observation. From these observations, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h a.m., is N.  $14^{\circ}25'$  W., the angle thus determined, gives the magnetic declination as  $14^{\circ}25'$  E.

From the cor. above described, I run, as per instructions: N.  $0^{\circ}1'$  E., bet. secs. 31 & 32.

Over stony mesa, through heavy oak and juniper timber, with great difficulty.

- 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 8 ins. diam. brs. N.  $73^{\circ}\frac{1}{4}'$  E. 13 lks. dist., marked  $\frac{1}{4}$  S. 32 B.T.  
A juniper tree 12 ins. diam. brs. N.  $30^{\circ}$  W. 89 lks. dist., marked  $\frac{1}{4}$  S. 31 B.T.

Desc. prec. NW. slope.

- 50.00 Canyon, East Branch of Wilson creek, 2 chs. wide, 200 ft. deep, course WNW., asc. steep SW. slope.

- 65.00 Top of point, sharp spur, brs. SW. & NE., desc. steep NW. slope.

- 80.00 Set a sandstone 24x10x8 ins. 18 ins. in ground for cor. of secs. 29, 30, 31 & 32, marked with 1 notch on S. & 5 notches on 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 8 ins. diam. brs. N.  $7^{\circ}$  E. 57 lks. dist., marked T. 8 N., R. 15 E. S. 29 B.T.  
An oak tree 8 ins. diam., brs. S.  $33^{\circ}$  E. 79 lks. dist., marked T. 8 N., R. 15 E. S. 32 B.T.

Chains.

An oak tree 14 ins. diam. brs. S. 20° W. 50 lks. dist., marked T. 8 N., R. 15 E. S. 31 B.T.  
 No other bearings available. Pits, impracticable.  
 Land, mts., rolling.  
 Soil, 3rd rate, stony.  
 Timber, oak, juniper.  
 Undergrowth, scrub oak.  
 Mts. land, or land heavily timbered, and exceptionally difficult to survey, 80.00 chs.

---

West, on a random line bet. secs. 30 & 31,  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.96 Intersect W. bdy. of Tp. at cor. of secs. 25, 30, 31 & 36, whence I run,  
 East, on a true line, bet. secs. 30 & 31.  
 Over mts. land, asc., steep, through dense manzanita, scrub oak, and blackbrush.  
 35.00 Top of high spur, brs. SW. & NE., elev. 4800 ft.  
 39.98 Set a sandstone 20x10x6 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. Pits impracticable.  
 41.00 Desc. prec.  
 50.00 Foot of bluff, brs. NE. & SW., desc. along very broken stony, SE. slope.  
 60.00 Gulch 80 lks. wide, course SW., asc.  
 66.00 Spur, brs. SSW. & NNE., desc.  
 72.00 Canyon, 80 lks. wide, course SW.  
 77.00 Wilson Creek, (dry), course WSW., asc.  
 79.96 To cor. of secs. 29, 30, 31 & 32. Elev. of this cor. 4200 ft.  
 Land, mts., rough and broken.  
 Soil, 3rd rate, stony.  
 Timber, some oak, juniper, cherry, cottonwood sycamore in canyons. Undergrowth, scrub oak, blackbrush,  
 Mts. land, covered with dense undergrowth, and exceptionally difficult to survey, 79.96 chs.

---

N. 0° 1' E., bet. secs. 29 & 30  
 Over mts. land, desc. steep, over loose stones, with great difficulty.  
 1.50 Middle of Wilson creek, 80 lks. wide, course WSW. asc. prec.  
 23.00 Top of N. rim of canyon, brs. NE. & SW., thence on very rough stony mesa, and limestone ledges.  
 40.00 Set a sandstone 20x10x6 ins. 10 ins. in ground for  $\frac{1}{4}$  sec. cor., on bedrock, in mound of stone, 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.  
 60.00 Desc. prec. NE. slope.  
 67.00 Canyon 3 chs. wide, 200 ft. deep, course SSE., asc. prec.  
 75.00 Top of N. rim of canyon, brs. NW. & SE., asc. grad.  
 80.00 Set a sandstone 20x14x10 ins., on bedrock, in mound of stone for cor. of secs. 19, 20, 29 & 30, marked with 2n notches on S. & 5 notches on E. edges, and from which,  
 A juniper tree 10 ins. diam. brs. S. 17° E. 13 lks. dist., marked T. 8 N., R. 15 E. S. 29 B.T.  
 A juniper tree 36 ins. diam. brs. S. 19° W. 18 lks. dist., marked T. 8 N., R. 15 E. S. 30 B.T.  
 No other bearings available. Pits impracticable.  
 Land, mts., rolling, broken.  
 Soil, 3rd & 4th rate, very stony.  
 Undergrowth, scattering scrub oak, cacti. No timber.  
 Mts. land, exceptionally difficult to survey, 80.00 chs.  
 At this cor. at 12h 5m p.m., l.m.t., I set off 22° 18' N. on the decl. arc, and observe the sun on the meridian.  
 The resulting lat. is 34° 1' N. ✓

Chains

West, on a random line bet. secs. 19 & 30,  
 40.00 Set temp:  $\frac{1}{4}$  sec. cor.  
 79.90 Intersect W. bdy. of Tp. at cor. of secs. 19, 24, 25 & 30,  
 whence I run,  
 East, on a true line bet. secs. 19 & 30.  
 Over mts. land, desc. through dense scrub oak and manzanita, with great difficulty.  
 6.00 Gulch 50 lks. wide, course NNW., asc. steep.  
 21.00 Top of W. point, thence along N. slope.  
 39.95 Set a sandstone 20x10x6 ins. 15 ins. in ground for  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face, from which,  
 A juniper tree 30 ins. diam. brs. S. 19° E. 93 lks. dist.,  
 marked  $\frac{1}{4}$  S. 30 B.T.  
 A juniper tree 40 ins. diam. brs. N. 74° W. 146 lks. dist.,  
 marked  $\frac{1}{4}$  S. 19 B.T.  
 42.00 Desc. East slope.  
 72.00 Canyon 2 chs. wide, course S., asc.  
 79.90 To cor. of secs. 19, 20, 29 & 30.  
 Land, mts., very rough and broken.  
 Soil, 3rd rate, stony.  
 Timber, scattering oak, juniper.  
 Undergrowth, scrub oak, manzanita, blackbrush.  
 Mts. land, covered with dense undergrowth, and  
 exceptionally difficult to survey, 79.90 chs,

N. 0° 1' E., bet. secs. 19 & 20.  
 Over mts. land, asc., through oak and juniper timber,  
 with great difficulty.  
 16.00 Top of W. side of butte, desc. enter dense scrub oak.  
 40.00 Set a sandstone 24x12x8 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.  
 Desc. steep, NW. slope, through dense scrub oak and  
 blackbrush.  
 57.00 Gulch 80 lks. wide, course W., asc.  
 65.00 Asc. prec. stony S. slope.  
 80.00 Set a sandstone 24x14x10 ins. 18 ins. in ground for  
 cor. of secs. 17, 18, 19 & 20, marked with 3 notches on  
 S. & 5 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. Soil, 3rd rate, stony.  
 Timber, some oak and juniper.  
 Undergrowth, scrub oak, manzanita, blackbrush.  
 Mts. land, heavily timbered or covered with dense under-  
 growth, exceptionally difficult to survey, 80.00 chs.  
 July 10, 1910.

Chains.

- July 11, 1910.  
At 7h a.m., l.m.t., at the cor. of secs. 17, 18, 19 & 20,  
I set off  $22^{\circ} 12\frac{1}{2}'$  N., on the decl. arc, and  $34^{\circ} 2'$  N. on  
the lat. arc, and determine a true meridian with the solar.  
Thence I run,  
West, on a random line bet. secs. 18 & 19.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.00 Intersect W. bdy. of Tp. at a point 5 lks. S. of cor. of  
secs. 13, 18, 19 & 24, whence I run,  
S.  $89^{\circ} 58'$  E., on a true line bet. secs. 18 & 19.  
Over mts. land, along broken stony, SE. slope,  
with great difficulty.
- 40.00 Set a sandstone 24x10x10 ins. 18 ins. in ground for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face, from which,  
An oak tree 6 ins. diam. brs. N.  $35^{\circ}$  W. 122 lks. dist.,  
marked  $\frac{1}{4}$  S. 13 B.T.  
No other bearings available. Pits, impracticable.
- 50.00 Walnut creek 150 lks. wide, course SSW., small stream of  
running water. Asc. steep SW. slope.
- 75.47 Top of slope, Top of butte, is 3 chs. N., thence along  
steep stony, S. slope of butte.
- 80.00 To cor. of secs. 17, 18, 19 & 20.  
Land, mts., broken.  
Soil, 3rd rate, stony.  
No timber. Undergrowth, scattering scrub oak, cacti.  
Mts. land, exceptionally difficult to survey, 80.00 chs.
- 
- N.  $0^{\circ} 1'$  E., bet. secs. 17 & 18.  
Over mts. land, asc. steep, stony S. slope, over loose  
stones, with great difficulty.
- 2.20 Top of ridge, brs. WNW. & ESE., desc. steep, stony, N. slope,  
through dense scrub oak.
- 17.90 Fence, foot of slope, brs. NE. & SW.  
House of John Marley brs. E. 3 chs. dist. enter valley.
- 20.50 Wash, Walnut creek <sup>150 lks.</sup> wide; course SW. asc. grad. in valley.
- 23.00 Spring of clear good water, on line.
- 29.00 Wash 60 lks. wide, course SSW., asc. grad., through  
scattering heavy juniper and oak timber, in  
middle of valley, about  $\frac{1}{2}$  mile wide, brs. N. & S.
- 40.00 Set a sandstone 24x14x10 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.
- 69.32 Wire fence, brs. NW. & SE., enter dense, heavy juniper  
and oak timber.
- 56.68 Juniper 50 ins. diam. on line.
- 80.00 Set a sandstone 18x10x4 ins. 12 ins. in ground for cor. of  
secs. 7, 8, 17 & 18, marked with 4 notches on S. & 5  
notches on E. edges, from which,  
An oak tree 36 ins. diam. brs. N.  $79^{\circ}$  E. 116 lks. dist.,  
marked T. 8 N., R. 15 E. S. 8 B.T.  
An oak tree 30 ins. diam. brs. S.  $6^{\circ}$  E. 65 lks. dist.,  
marked T. 8 N., R. 15 E. S. 17 B.T.  
An oak tree 10 ins. diam. brs. S.  $20\frac{1}{2}^{\circ}$  W. 156 lks. dist.,  
marked T. 8 N., R. 15 E. S. 18 B.T.  
An oak tree 40 ins. diam. brs. N.  $43^{\circ}$  W. 30 lks. dist.,  
marked T. 8 N., R. 15 E. S. 7 B.T.
- Land, mts. broken, Soil, 2nd & 3rd rate, gravelly, stony.  
Timber, oak, juniper.  
Undergrowth, scrub oak,  
Mts. land, or land heavily timbered and  
exceptionally difficult to survey, 80.00 chs.
- At this cor. at 12h 5m p.m., l.m.t., I set off  $22^{\circ} 10'$  N. on  
the decl. arc, and observe the sun on the meridian.  
The resulting lat. is  $34^{\circ} 2\frac{1}{2}'$  N.

and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.



Chains.	
	N. 89°53' W., on a random line bet. secs. 7 & 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect W. bdy. of Tp. at point 7 lks. S. of cor. of secs. 7, 12, 13 & 18, whence I run, S. 89°55' E., on a true line bet. secs. 7 & 18. Over broken mts. land, desc. through dense oak, pine, and juniper, with great difficulty.
5.00	Gulch 50 lks. wide, course SSE., asc.
10.00	Spur, brs. ESE. & NW., desc. continue along S. side of same.
20.00	Edge of bluff, brs. N. & S., desc. abrupt.
28.00	Foot of bluff, brs. N. & S., desc. through dense scrub oak, and scattering juniper timber.
39.70	Gulch, W. branch of Walnut creek, 80 lks. wide, course SE.
40.04	Set a quartzite stone 20x10x4 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. Pits, impracticable.
53.00	Gulch 130 lks. wide, course SSE., middle branch of Walnut creek, dry. Enter valley, brs. N. & S.
63.00	Wire fence, brs. NNW. & SSE.
72.00	Wash 50 lks. wide, course SSW.
80.08	To cor. of secs. 7, 8, 17 & 18. Land, mts., broken., rolling. Soil, 2nd & 3rd rate, gravelly, stony. Timber, oak, juniper, scattering pine. Undergrowth, scrub oak, manzanita. Mts. land, heavily timbered, or covered with dense undergrowth, exceptionally difficult to survey, 80.08 chs.
	N. 0° 1' E., bet. secs. 7 & 8. Over mts. land, asc. grad., in valley, through heavy oak and juniper timber, and dense scrub oak, with great difficulty.
23.80	Wire fence, brs. NW. & SE.
26.90	Wash 30 lks. wide, course SE.
40.00	Set a sandstone, 18x10x8 ins. 12 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. 1 $\frac{1}{2}$ ° W. 85 lks. dist., marked $\frac{1}{4}$ S. 7 B.T. A cedar tree 30 ins. diam. brs. N. 86° E. 112 lks., dist., marked $\frac{1}{4}$ S. 8 B.T.
60.00	Begin asc. steep, stony SE. point, through dense scrub oak, and manzanita.
76.40	Wire fence, brs. NW. & SE. Top of spur, brs. SE. & NW. Desc. NE. slope.
80.00	Set a sandstone 24x10x8 ins. 18 ins. in ground for cor. of secs. 5, 6, 7 & 8, marked with 5 notches on S. & E. edges, and raise a mound of stone 4 ft. base, 3 ft. high W. of cor. No bearings available. Pits, impracticable. Land, mts. rolling. Soil, 3rd rate, gravelly, stony. Timber, oak, juniper, pine, cedar. Undergrowth, scrub oak, manzanita, buckbrush. Mts. land or land heavily timbered or covered with dense undergrowth, and exceptionally difficult to survey, 80.00 chs.

The line bet. secs. 6 & 7, of this Tp. runs over such a rough mts. country, along the main spur East from Catholic peak, so broken and stony, as to be impracticable to survey. July 11, 1910.

Chains July 12, 1910.  
 At 7h a.m., l.m.t., at the cor. of secs. 5, 6, 7 & 8, ✓  
 I set off 22° 4½' N. on the decl. arc, and 34° 3' N. on the lat. arc, and determine a meridian with the solar. Thence I run,  
 N. 0° 1' E., bet. secs. 5 & 6.  
 Over mts. land, desc. NE. slope, through jungle of scrub oak, and manzanita, with great difficulty.  
 2.00 Gulch 80 lks. wide, course SE. Asc. steep, stony S. slope.  
 20.00 Top of mesa, brs. E. & W., desc. grad., through heavy oak, juniper, and scattering pine. Mean elev. 5300 ft.  
 39.00 Stony gulch 20 lks. wide, course ESE.  
 40.00 Set a sandstone 24x10x10 ins. 18 ins. in ground for ¼ sec. cor., marked ¼ on W. face, from which,  
 An oak tree 8 ins. diam. brs. N. 69° E. 59 lks. dist., marked ¼ S. 5 B.T.  
 An oak tree 12 ins. diam. brs. N. 74° W. 52 lks. dist., marked ¼ S. 6 B.T.  
 67.25 Gulch 50 lks. wide, course ENE., asc. grad.  
 79.40 Intersect 2nd Standard Parallel North.  
 Set a sandstone 24x10x6 ins. 18 ins. in ground for closing cor. of secs. 5 & 6, marked C.C. on S., with 5 grooves on E. & 1 groove on W. faces, from which,  
 A juniper tree 60 ins. diam. brs. S. 51° E. 33 lks. dist., marked T. 8 N., R. 15 E. S. 5 C.C. B.T.  
 A juniper tree 24 ins. diam. brs. S. 46° W. 97 lks. dist., marked T. 8 N., R. 15 E. S. 6 C.C. B.T.  
 The Standard ¼ sec. cor. on S. bdy. secs. 31, T. 9 N., R. 15 E., brs. West, 13.04 chs. dist., which is a sandstone 8x6x6 ins. above ground, marked and witnessed as described by the Surveyor General.  
 Land, mts. Soil, 3rd rate, very stony.  
 Timber, oak, juniper, pine.  
 Undergrowth, scrub oak, pine, manzanita, buckbrush.  
 Mts. land heavily timbered or covered with dense under growth, exceptionally difficult to survey, 79.40 chs.  
 At this cor. at 12h 5m p.m., l.m.t., I set off 22° 2' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 34° 4' N. ✓

---

N. 0° 1' E., bet. secs. 32 & 33.  
 Over broken, stony mesa, through heavy oak and juniper timber, with great difficulty.  
 29.50 Gulch 30 lks. wide, course WNW.  
 33.00 Gulch 30 lks. wide, course W.  
 40.00 Top of long flat ridge, brs. E. & W.  
 Set a limestone 24x15x6 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., from which,  
 A juniper tree 36 ins. diam. brs. N. 56¼° W. 247 lks. dist., marked ¼ S. 32 B.T. No other bearings available.  
 69.20 Gulch 80 lks. wide, course W.N.W., water in same 10 chs. W. Asc. grad.  
 75.00 Flat ridge, brs. NW. & SE., desc.  
 80.00 Set a limestone 30x15x8 ins. 10 ins. in ground to bedrock, in mound of stone for cor. of secs. 23, 29, 32 & 33, marked with 1 notch on S. & 4 notches on E. edges, from which,  
 An oak tree 24 ins. diam. brs. N. 13¾° E. 86 lks. dist., marked T. 8 N., R. 15 E. S. 23 B.T.  
 An oak tree 24 ins. diam. brs. S. 61° E. 144 lks. dist., marked T. 8 N., R. 15 E. S. 33 B.T.  
 An oak tree, 15 ins. diam. brs. S. 70° W. 60 lks. dist., marked T. 8 N., R. 15 E. S. 32 B.T.  
 An oak tree 24 ins. diam. brs. N. 18¼° W. 96 lks. dist., marked T. 8 N., R. 15 E. S. 29 B.T.  
 Land, mts. rolling. Soil, 3rd rate, stony. Timber, oak, juniper.  
 Rolling land, heavily timbered exceptionally difficult to survey, 80.00 chs.

Chains.

West, on a random line, bet. secs. 29 & 32.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect N. & S. line at point 5 lks. N. of cor. of secs. 29, 30, 31 & 32, whence I run, N.  $89^{\circ}58'$  E., on a true line bet. secs. 29 & 32. Over mts. land, asc. stony, ground, through dense manzanita, and scrub oak, with great difficulty.

20.00 Point of spur, brs. N. & S., desc. prec. NE. slope.

40.00 Point for  $\frac{1}{4}$  sec. cor. falls in canyon, 12 chs. wide, 200 ft. deep, course WNW. asc. prec.

47.00 Top of E. rim of canyon, brs. NW. & SE., on mesa, Set a limestone  $30 \times 13 \times 3$  ins., on bed-rock, in mound of stone for witness cor. to  $\frac{1}{4}$  sec. cor., marked W.C.  $\frac{1}{4}$  on N. face, from which,  
An oak tree 14 ins. diam. brs. N.  $66^{\circ}$  E. 207 lks. dist., marked  $\frac{1}{4}$  S. 29 W.C.B.T.  
An oak tree 14 ins. diam. brs. S.  $15\frac{1}{2}^{\circ}$  W. 103 lks. dist., marked  $\frac{1}{4}$  S. 32 W.C.B.T.

Thence over stony mesa, through dense oak and juniper.

80.00 To cor. of secs. 28, 29, 32 & 33.  
Land, mts., rolling.  
Soil, 3rd rate, stony.  
Timber, oak, juniper. Undergrowth, scrub oak, manzanita.  
Mts., or rolling land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

July 12, 1910.

July 13, 1910.

At 7h a.m., l.m.t., at the cor. of secs. 23, 29, 32 & 33, I set off  $21^{\circ}56'$  N. on the decl. arc, and  $34^{\circ}$  N. on the lat. arc, and determine a true meridian with the solar. Thence I run,  
N.  $0^{\circ}1'$  E., bet. secs. 23 & 29.  
Over mts. land, desc. over very stony ground, through oak and juniper, timber, with great difficulty.

2.00 Gulch, 30 lks. wide, course NW., asc. steep.

12.00 Top of spur, brs. WNW., & ESE., desc.

20.00 Gulch 30 lks. wide, course W., asc. prec. SW. slope.

40.00 Top of high SW. rim of mesa, elev. 5500 ft.  
Set a porphyry stone  $20 \times 3 \times 3$  ins. on bed-rock, in mound of stone 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.  
Thence along very rough, stony, steep W. slope of bluff, through dense manzanita, and scrub oak.

80.00 Set a sandstone  $20 \times 3 \times 3$  ins. 15 ins. in ground for cor. of secs. 20, 21, 23 & 29, marked with 2 notches on S. & 4 notches on E. edges, from which,  
An oak tree 12 ins. diam. brs. N.  $13^{\circ}$  E. 22 lks. dist., marked T. 8 N., R. 15 E. S. 21 B.T.  
An oak tree 6 ins. diam. brs. S.  $23^{\circ}$  E. 30 lks. dist., marked T. 8 N., R. 15 E. S. 23 B.T.  
An oak tree 6 ins. diam. brs. S.  $6^{\circ}$  W. 73 lks. dist., marked T. 8 N., R. 15 E. S. 29 B.T.  
An oak tree 10 ins. diam. brs. N.  $71^{\circ}$  W. 62 lks. dist., marked T. 8 N., R. 15 E. S. 20 B.T.

Land, mts. very rough and broken.  
Soil, stony, 3rd rate.  
Timber, oak, juniper.  
Undergrowth, scrub oak, manzanita, buckbrush.  
Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

Chains	S. 89°58' W., on a random line, bet. secs. 20 & 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
30.10	Intersect N. & S. line at point 7 lks. N. of cor. of secs. 19, 20, 29 & 30, whence I run, N. 89°55' E., on a true line, bet. secs. 20 & 29. Over mts. land, desc. grad., through dense scrub oak, with great difficulty.
8.00	Desc. steep.
14.00	Canyon 3 chs. wide, 150 ft. deep, course SSE., asc. prec.
20.00	Top of E. rim, brs. N. & S., desc. grad. along SE. slope.
40.05	Set a limestone 20x10x8 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 juniper tree 10 ins. diam. brs. N. 51° W. 92 lks. dist., marked $\frac{1}{4}$ S. 20 B.T.
45.00	Desc. steep, SE. slope.
54.00	Wilson creek, 2 chs. wide, course SW., asc. steep, through dense oak timber.
80.10	To cor. of secs. 20, 21, 23 & 29. Land, mts. broken. Soil, 3rd rate, stony. Timber, oak, juniper. Undergrowth, scrub oak, manzanita. Fair grazing land. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.10 chs. At this cor. at 12h 5 $\frac{1}{2}$ m p.m., l.m.t., I set off 21°54' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 34° 1' N.
	N. 0° 1' E., bet. secs. 20 & 21. Over mts. land, along prec. W. slope., through dense scrub oak, and tesota, with great difficulty.
24.00	Gulch head of Wilson creek, 2 chs. wide, course SW., asc. steep. SE. slope.
40.00	Set a sandstone 24x12x8 ins., on bed-rock, in mound of stone, 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. Top of SE. point of bluff, desc. steep.
60.00	Gulch 50 lks. wide, course ESE. Enter open land.
71.00	Wash, 30 lks. wide, course SE., asc. grad.
80.00	Set a sandstone 20x12x8 ins. 15 ins. in ground for cor. of secs. 16, 17, 20 & 21, marked with 3 notches on S. & 3 notches on E. edges, and raise a mound of stone 4 ft. base, 3 ft. high W. of cor. No bearings available. Pits impracticable. Small new frame house M.C. Girdner, brs. S. 40 $\frac{1}{2}$ ° E., about 25 chs. dist. Land, mts., broken. Soil, 2nd & 3rd rate, gravelly stony. Timber, oak, juniper. Undergrowth, scrub oak, manzanita. Mts. land, heavily timbered, exceptionally difficult to survey, 80.00 chs.

Chains.

S. 89°55'W., on a random line bet. secs. 17 & 20.  
 40.00 Set temp: 1/4 sec. cor.  
 79.90 Intersect N. & S. line at point 12 lks. N. of cor. of  
 secs. 17, 18; 19 & 20, whence I run,  
 N. 89°50' E., on a true line bet. secs. 17 & 20.  
 Over mts. land, asc., steep stony SW. slope,  
 with great difficulty.  
 5.00 Top of high ricky spur, brs. NW. & SE., desc. steep.  
 35.00 Middle of broad, broken, horseshoe ravine, course NW.  
 89.95 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. 70° E. 88 lks. dist.,  
 marked 1/4 S. 17 B.T.  
 A juniper tree 24 ins. diam. brs. S. 45° W. 90 lks. dist.,  
 marked 1/4 S. 20 B.T.  
 Asc. NW. slope, through dense scrub oak and oak timber.  
 56.00 Top of dividing ridge, brs. SW. & NE., desc. stony SE. slope.  
 62.00 Head of gulch, course SE., asc.  
 68.00 Spur, brs. SSE. & WNW., desc. stony E. slope.  
 79.90 To cor. of secs. 16, 17, 20 & 21.  
 Land, mts. broken.  
 Soil, 3rd rate, stony.  
 Timber, oak, juniper, scattering pine.  
 Undergrowth, scrub oak, buckbrush. Good grazing.  
 Mts. land, exceptionally difficult to survey, 79.90 chs.

N. 0° 1' E., bet. secs. 16 & 17.  
 Over mts. land, asc. broken SE. slope, very stony  
 ground, with great difficulty, scattering oak and  
 juniper timber.  
 40.00 Set a sandstone 24x14x10 ins. 18 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.  
 43.00 Gulch 50 lks. wide, course SE., asc. S. slope.  
 62.75 N. edge of mesa, brs. NE. & SW., desc. steep, broken  
 NW. slope, through dense scrub oak.  
 66.00 Head of gulch, course NW.  
 79.00 Wash, 50 lks. wide, course W. asc.  
 80.00 Set a sandstone 18x12x4 ins., on bedrock, in mound of  
 stone 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, 1 1/2 ft. high W. of cor., from which,  
 An oak tree 6 ins. diam. brs. N. 18° E. 15 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 9 B.T.  
 An oak tree 8 ins. diam. brs. N. 32° W. 110 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 8 B.T.  
 An oak tree 14 ins. diam. brs. S. 39 1/4° E. 42 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 16 B.T.  
 An oak tree 12 ins. diam. brs. S. 76 1/2° W. 26 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 17 B.T.  
 Land, mts., broken.  
 Soil, 3rd rate, stony.  
 Timber, scattering oak, juniper. some pine.  
 Undergrowth, scrub oak, buckbrush. Good grazing.  
 Mts. broken, stony land, exceptionally difficult to  
 survey, 80.00 chs.

July 13, 1910.

July 14, 1910.  
 At 7h a.m., l.m.t., I set off 21° 47 1/2' N. on the decl. arc,  
 and 34° 2 1/2' N. on the lat. arc, and determine a true  
 meridian with the solar at the cor. of secs. 8, 9, 17 & 16,  
 Thence I run,

Chains.	S. 39°50' W., on a random line, bet. secs. 8 & 17
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.30	Intersect N. & S. line at point 5 lks. S. of cor. of secs. 7, 8, 17 & 18, whence I run, N. 89°52' E., on a true line bet. secs. 8 & 17. Over broken, stony land, through heavy oak, pine, and juniper timber, with great difficulty.
22.50	Wash 100 lks. wide, course S.
27.05	Wire fence, brs. N. & S., cor. of fence, 2 chs. N. of line, and runs W. & N.
39.90	Set a sandstone 18x10x8 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which, An oak tree 14 ins. diam. brs. S. 57° E. 69 lks. dist., marked $\frac{1}{4}$ S. 17 B.T. An oak tree 14 ins. diam. brs. N. 53° W. 26 lks. dist., marked $\frac{1}{4}$ S. 3 B.T.
57.90	Wash, 20 lks. wide, course S.
60.25	Same wash, course WNW.
64.43	Road, brs. SE. & NE. at this point.
65.35	Same wash as above, course SW. leave valley, and asc. broken SW. slope.
72.20	Road, brs. NE. & SW. in sandy wash, course SW.
79.50	Wash, 50 lks. wide, course NW., asc.
79.30	To cor. of secs. 8, 9, 16 & 17. Land, mts. broken. Soil, 3rd rate, sandy, gravelly. Timber, oak, pine, juniper, cedar. Undergrowth, scrub oak, manzanita, buckbrush. Broken or mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 79.30 chs.
	N. 0° 1' E., bet. secs. 8 & 9. Over mts. land, asc. through dense oak and juniper timber, with great difficulty.
1.00	Point of low spur, brs. W. & E., desc.
2.50	Wash, 50 lks. wide, course WSW. asc.
17.12	Road, brs. NE. & SW.
18.00	Wash, 30 lks. wide, course W., & turns S. Asc. stony SW. slope of butte.
40.00	Set a sandstone, 20x10x6 ins. 15 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., from which, A juniper tree 36 ins. diam. brs. N. 55° W. 110 lks. dist., marked $\frac{1}{4}$ S. 8 B.T. A juniper tree 15 ins. diam. brs. N. 27° E. 166 lks. dist., marked $\frac{1}{4}$ S. 9 B.T. Thence along W. slope of butte.
50.00	Top of butte brs. East, 10 chs. dist.
67.55	Wire fence, brs. E. & W., desc. NW. slope.
77.70	Wash, 20 lks. wide, course WSW., asc.
80.00	Set a sandstone 20x10x10 ins. 15 ins. in ground for cor. of secs. 4, 5, 8 & 9, marked with 5 notches on S. & 4 notches on E. edges, from which, An oak tree 10 ins. diam. brs. N. 59° E. 83 lks. dist., marked T. 8 N., R. 15 E. S. 4 B.T. An oak tree 10 ins. diam. brs. S. 16° E. 39 lks. dist., marked T. 8 N., R. 15 E. S. 9 B.T. An oak tree 8 ins. diam. brs. S. 34° W. 122 lks. dist., marked T. 8 N., R. 15 E. S. 8 B.T. An oak tree 8 ins. diam. brs. N. 74° W. 130 lks. dist., marked T. 8 N., R. 15 E. S. 5 B.T. Land, mts. broken, Soil, 2nd & 3rd rate, gravelly. Timber, oak, pine, juniper. Undergrowth, scrub oak. Mts. land, heavily timbered exceptionally difficult to survey, 80.00 chs. Clouds obscure the sun at noon, cannot observe latitude.

## Subdivision of T. 8 N., R. 15 E.

11

## Chains

S. 89°52' W., on a random line bet. secs. 5 & 8  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.30 Intersect N. & S. line at point 7 lks. S. of cor. of  
 secs. 5, 6, 7 & 8, whence I run,  
 N. 89°55' E., on a true line, bet. secs. 5 & 8.  
 Over broken mts. land, desc., through dense manzanita,  
 scrub oak, and blackbrush, and juniper timber.  
 7.50 Gulch 80 lks. wide, course SE., thence along broken,  
 stony, S. slope.  
 39.90 Set a granite stone 24x12x4 ins. 18 ins. in ground for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face, from which,  
 A juniper tree 10 ins. diam. brs. S. 65°E. 52 lks. dist.,  
 marked  $\frac{1}{4}$  S. 8 B.T.  
 An oak tree 12 ins. diam. brs. N. 72°W. 66 lks. dist.,  
 marked  $\frac{1}{4}$  S. 5 B.T.  
 45.75 Sandy wash, 3 chs. wide, course S.  
 62.90 Gulch 30 lks. wide, course S.  
 79.30 To cor. of secs. 4, 5, 8 & 9.  
 Land, mts. broken.  
 Soil, 2nd & 3rd rate, gravelly, stony.  
 Timber, oak, juniper, some pine.  
 Undergrowth, scrub oak, manzanita, buckbrush.  
 Mts. broken land, covered with dense undergrowth, and  
 exceptionally difficult to survey, 79.90 chs.

N. 0° 1' E., bet. secs. 4 & 5.,  
 Over mts. broken land, through dense, heavy juniper, cedar,  
 and oak timber, asc. grad., with great difficulty.  
 20.00 Wash, 80 lks. wide, course SSW.  
 23.00 Wash, 20 lks. wide, course SW.  
 40.00 Set a granite stone 20x10x10 ins. 15 ins. in ground for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, from which,  
 A pine tree 10 ins. diam. brs. N. 10 $\frac{1}{2}$ °E. 75 lks. dist.,  
 marked  $\frac{1}{4}$  S. 4 B.T.  
 A juniper tree 24 ins. diam. brs. S 85°W. 59 lks. dist.,  
 marked  $\frac{1}{4}$  S. 5 B.T.  
 50.00 E. point of spur, brs. E. & W., desc.  
 57.00 Gulch 80 lks. wide, course SE., asc. steep.  
 61.00 Wire fence, brs. WNW. & ESE.  
 62.00 Top of rocky spur, brs. E. & W., desc. grad.  
 79.52 Intersect 2nd Standard Parallel North.  
 Set a granite stone 24x12x3 ins. 18 ins. in ground for  
 closing cor. of secs. 4 & 5, marked C.C. on S., with  
 4 grooves on E. & 2 grooves on W. faces, and raise a  
 mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high S. of cor.,  
 from which,  
 A juniper tree 24 ins. diam. brs. S 70°W. 140 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 5 C.C. B.T.  
 A juniper tree 12 ins. diam. brs. S. 17°E. 89 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 4 C.C. B.T.  
 The Standard cor. of secs. 32 & 33 on S. bdy. of T. 9 N.,  
 R. 15 E., brs. East, 26.65 chs. dist., which is a  
 granite porphyry stone 8x6x6 ins. above ground, marked  
 and witnessed as described by the Surveyor General.  
 Land, mts., broken.  
 Soil, Stony, 3rd rate,  
 Timber, oak, pine, juniper, cedar.  
 Undergrowth, scrub oak, pine, manzanita, buck brush.  
 Good grazing.  
 Mts., broken, land, covered with dense undergrowth, and  
 exceptionally difficult to survey, 79.52 chs.  
 July 14, 1910.

## Chains.

July 15, 1910.

At 7h a.m., l.m.t., at the cor. of secs. 33, 34, 3 & 4, on S. bdy. of Tp. as heretofore established and described by me, I set off  $21^{\circ}33\frac{1}{2}'$  N. on the decl. arc, and  $33^{\circ}59'$  N. on the lat. arc, and determine a true meridian with the solar. Thence I run,

N.  $0^{\circ}2'$  E., bet. secs. 33 & 34. Over mts. land, desc. grad. through dense scrub oak and manzanita, with great difficulty.

- 7.40 Wash 50 lks. wide, course E.
- 14.35 Wash, 30 lks. wide, course ESE., asc. steep, SW. slope.
- 40.00 Set a quartz stone  $24 \times 12 \times 10$  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.
- 46.00 Top of ridge, brs. E. & W., desc. steep N. slope, through dense manzanita, and scrub oak.
- 75.00 Canyon 80 lks. wide, 200 ft. deep, course ENE., asc. steep.
- 80.00 Set a limestone  $30 \times 14 \times 10$  ins., 8 ins. in ground, to bed-rock, in mound of stone for cor. of secs. 27, 28, 33 & 34, marked with 1 notch on S. & 3 notches on E. edges, from which,
- An oak tree 12 ins. diam. brs. N.  $20\frac{1}{2}^{\circ}$  E. 66 lks. dist., marked T. 8 N., R. 15 E. S. 27 B.T.
- An oak tree 6 ins. diam. brs. S.  $41^{\circ}$  E. 75 lks. dist., marked T. 8 N., R. 15 E. S. 34 B.T.
- A juniper tree 30 ins. diam. brs. S.  $44\frac{1}{2}^{\circ}$  W. 254 lks. dist., marked T. 8 N. R. 15 E. S. 33 B.T.
- A juniper tree 12 ins. diam. brs. N.  $26\frac{1}{2}^{\circ}$  W. 68 lks. dist., marked T. 8 N., R. 15 E. S. 28 B.T.

Land, mts.

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.

- West, on a random line, bet. secs. 28 & 33.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect N. & S. line at point 7 lks. N. of cor. of secs. 28, 29, 32 & 33, whence I run, N.  $89^{\circ}57'$  E., on a true line, bet. secs. 28 & 33. Over mts. land, desc., through oak and juniper timber, with great difficulty.
- 1.25 Gulch 20 lks. wide, course NW., asc. through dense oak.
- 14.50 Top of rocky knoll brs. NW. & SE., desc.
- 17.50 Gulch 50 lks. wide, course WNW., asc. SW., slope, through heavy oak and juniper timber.
- 27.00 Gulch 40 lks. wide, course SW.,
- 40.00 Set a sandstone  $24 \times 14 \times 10$  ins. 18 ins. in ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face, from which,
- A juniper tree 24 ins. diam. brs. S.  $16^{\circ}$  E. 23 lks. dist., marked  $\frac{1}{4}$  S. 33 B.T.
- A juniper tree 24 ins. diam. brs. N.  $73\frac{1}{2}^{\circ}$  E. 24 lks. dist., marked  $\frac{1}{4}$  S. 28 B.T.
- 51.30 Road, top of divide, brs. N. & S., road from Rock-house to Ellisons and North.
- 80.00 To cor. of secs. 27, 28, 33 & 34. Land, mts. Soil, 3rd rate, stony. Timber, oak, juniper. Undergrowth, scrub oak, buckbrush, scattering. Mts. land, heavily timbered, exceptionally difficult to survey, 80.00 chs.
- At this cor. at 12h  $5\frac{1}{2}$  p.m., l.m.t., I set off  $21^{\circ}36'$  N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is  $34^{\circ}$  N.



Chains.	
	<p>July 16, 1910. ✓</p> <p>At 7h a.m., l.m.t. I set off <math>21^{\circ}29'</math> N. on the decl. arc, and <math>34^{\circ}</math> N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 27, 28, 33 &amp; 34, thence I run,</p> <p>N. <math>0^{\circ}2'</math> E., bet. secs. 27 &amp; 28.</p> <p>Over mts. land, asc. along rough stony, broken SE. slope, with great difficulty, through oak and juniper timber.</p>
15.00	Top of Spur, brs. ESE. & WNW., desc.
20.00	Canyon, 150 lks. wide, 100 ft. deep, course E. asc. steep.
31.00	Top of spur, brs. ESE. & WNW., desc. prec. N. slope.
40.00	Set a sandstone 20x10x10 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. N. $41^{\circ}$ E. 114 lks. dist., marked $\frac{1}{4}$ S. 27 B.T. An oak tree 12 ins. diam. brs. West, 65 lks. dist., marked $\frac{1}{4}$ S. 23 B.T.
43.00	Canyon 2 chs. wide, 200 ft. deep, course ESE., asc. prec. SE. slope.
60.00	Top of spur, brs. SE. & NW., desc. stony NE. slope.
80.00	Cor. point falls in gulch 20 lks. wide, course SE.
80.15	Set a sandstone 24x10x6 ins. on bed-rock, in mound of stone for witness cor. to cor. of secs. 21, 22, 27 & 28, marked W.C. on NE. face, with 2 notches on E. & 3 notches on E. edges, and from which, An oak tree 10 ins. diam. brs. N. $54^{\circ}$ E. 93 lks. dist., marked T. 8 N., R. 15 E. S. 22 W.C.B.T. An oak tree 20 ins. diam. brs. S. $17^{\circ}$ E. 60 lks. dist., marked T. 8 N., R. 15 E. S. 27 W.C.B.T. An oak tree 20 ins. diam. brs. S. $23^{\circ}$ W. 46 lks. dist., marked T. 8 N., R. 15 E. S. 28 W.C.B.T. An oak tree 14 ins. diam. brs. N. $61^{\circ}$ W. 19 lks. dist., marked T. 8 N., R. 15 E. S. 21 W.C.B.T.
	<p>Land mts., broken.</p> <p>Soil, 3rd rate, stony.</p> <p>Timber, oak, juniper. Undergrowth, scrub oak, manzanita.</p> <p>Mts. land heavily timbered, exceptionally difficult to survey, 80.00 chs.</p>
40.00	S. $89^{\circ}58'$ W., on a random line, bet. secs. 21 & 28. Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. & S. line at point 7 lks. N. of cor. of secs. 20, 21, 28 & 29, whence I run, N. $89^{\circ}54'$ E., on a true line, bet. secs. 21 & 28. Over mts. land, asc. prec. W. slope, through dense scrub oak, and oak timber, with great difficulty.
10.00	Top of West rim of high mesa, brs. N. & S., called Middleton mesa., asc. grad. over very stony ground.
12.00	Top of rise, brs. N. & S., desc. grad. on mesa, through scattering oak and juniper timber.
34.40	Road, brs. N. & S.,
40.05	Set a sandstone 24x12x8 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, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. No bearings available. Pits impracticable.
47.00	Head of gulch 30 lks. wide, course SE., asc. grad.
60.00	Top of mesa, desc. grad.
66.00	Gulch 50 lks. wide, course SE., near head, asc. through dense scrub oak.
71.00	Top of spur, brs. SE. & NW., desc.
80.10	True point for cor. of secs. 21, 22, 27 and 28. Land, mts. rolling. Soil, stony, 3rd rate. Timber, oak, juniper. Undergrowth, scrub oak. Mts. or broken, stony land, exceptionally difficult to survey, 80.10 chs.
	<p>At this cor. at 12h 6m p.m., l.m.t., I set off <math>21^{\circ}26'</math> N. on the decl. arc, and observe the sun on the meridian. The resulting latitude is <math>34^{\circ}1'</math> N. ✓</p>

Chains. From true point for cor. of secs. 21, 22, 27 and 28,  
 N. 0° 2' E., bet. secs. 21 & 22.  
 Over mts. land, asc. steep, stony, SE. slope, through  
 heavy oak and juniper timber, with great difficulty.  
 0.15  
 25.00 Top of ridge, brs. E. & W., desc.  
 27.77 Wire fence, brs. NW. & SE. enter pasture, desc. steep  
 NW. slope.  
 40.00 Set a sandstone 20x10x3 ins. 15 ins. in ground for  
 1/4 sec. cor. marked 1/4 on W. face, from which,  
 An oak tree 15 ins. diam. brs. S. 2° W. 39 lks. dist.,  
 marked 1/4 S. 21 B.T.  
 An oak tree 12 ins. diam. brs. S. 35° E. 33 lks. dist.,  
 marked 1/4 S. 22 B.T.  
 54.00 Gulch 50 lks. wide, course NW., asc.  
 61.00 Spur, brs. NW. & SE., desc.  
 78.30 Gulch 80 lks. wide, course WNW. asc.  
 80.00 Set a sandstone 24x3x6 ins. 18 ins. in ground for  
 cor. of secs. 15, 16, 21 & 22, marked  
 T. 8 N., on NE., and  
 R. 15 E., on SE. faces, with 3 notches on S. & E. edges,  
 and raise a moun of stone 4 ft. base, 3 ft. high  
 W. of cor., from which,  
 An oak tree 14 ins. diam. brs. N. 53° E. 44 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 15 B.T.  
 An oak tree 15 ins. diam. brs. S. 17 1/2° E. 45 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 22 B.T.  
 An oak tree 15 ins. diam. brs. S. 63 1/2° W. 62 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 21 B.T.  
 An oak tree 14 ins. diam. brs. N. 33° W. 37 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 16 B.T.  
 Land, mts. broken. Soil, 3rd rate, stony.  
 Timber, oak, juniper. Undergrowth, scattering scrub oak.  
 Mts. land, heavily timbered, exceptionally difficult to  
 survey, 80.00 chs.

S. 39° 54' W., on a random line, bet. secs. 16 & 21.  
 40.00 Set temp. 1/4 sec. cor.  
 80.00 Intersect N. & S. line at point 14 lks. S. of cor. of  
 secs. 16, 17, 20 & 21, whence I run,  
 East, on a true line, bet. secs. 16 & 21.  
 Over mountainous land, desc. grad. across valley, through  
 scattering oak and juniper timber., with great difficulty.  
 15.75 Wire fence, brs. NNE. & SSW.  
 10.50 Main wash, head of Wilson Creek, 80 lks. wide, course S.  
 asc. grad.  
 29.70 Road, brs. NW. & SE., Ellisons to Rock-house.  
 40.00 Set a sandstone 20x14x10 ins. 15 ins. in ground for  
 1/4 sec. cor., marked 1/4 on N. face, from which,  
 An oak tree 12 ins. diam. brs. N. 80° E. 200 lks. dist.,  
 marked 1/4 S. 16 B.T.  
 An oak tree 24 ins. diam. brs. S. 35 1/2° E. 170 lks. dist.,  
 marked 1/4 S. 21 B.T.  
 47.10 Gulch 30 lks. wide, course WNW. asc. grad. along N. slope.  
 76.20 Gulch 80 lks. wide, course WNW.  
 80.00 To cor. of secs. 15, 16, 21 & 22.  
 Land, mts.  
 Soil, 2nd & 3rd rate, gravelly, stony.  
 Timber, some oak, and juniper. Undergrowth, scrub oak.  
 Mts. land, exceptionally difficult to survey, 80.00 chs.  
 July 16, 1910.

Subdivision of T. 8 N., R. 15 E.

Chains

July 17, 1910.

At 7h a.m., l.m.t., at the cor. of secs. 15, 16, 21 & 22, I set off 34° 2' N. on the lat. arc, and 21° 19' N. on the decl. arc, and determine a true meridian with the solar. Thence I run,

N. 0° 2' E., bet. secs. 15 & 16

Over mts. land, asc. through dense oak and juniper timber, with great difficulty.

- 5.00 Spur, brs. W. & E., desc.
  - 19.25 Gulch 80 lks. wide, course W., thence along valley, through scattering, heavy juniper and oak timber.
  - 40.00 Set a granite stone 20x10x8 ins. 15 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., from which,
    - A juniper tree 30 ins. diam. brs. N. 50° W. 377 lks. dist., marked ¼ S. 16 B.T.
    - A juniper tree 24 ins. diam. brs. S. 52° E. 201 lks. dist., marked ¼ S. 15 B.T.
  - 61.57 A pine tree 24 ins. diam., on line., blazed N. & S.
  - 70.00 Enter dense, heavy juniper and oak, brs. E. & W.
  - 75.00 Gulch, 10 lks. wide, course WSW.
  - 80.00 Set a syenite stone 20x10x3 ins. 15 ins. in ground for cor. of secs. 9, 10, 15 & 16, marked with 4 notches on S. & 3 notches on E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor., from which,
    - A juniper tree 24 ins. diam. brs. N. 25½° E. 27 lks. dist., marked T. 8 N., R. 15 E. S. 10 B.T.
    - A juniper tree 24 ins. diam. brs. S. 12° E. 125 lks. dist., marked T. 8 N., R. 15 E. S. 15 B.T.
    - A juniper tree 30 ins. diam. brs. S. 73° W. 110 lks. dist., marked T. 8 N., R. 15 E. S. 16 B.T.
    - A juniper tree 12 ins. diam. brs. N. 34° W. 36 lks. dist., marked T. 8 N., R. 15 E. S. 9 B.T.
- Land, mts., rolling. Soil, 2nd & 3rd rate, sandy, gravelly. Timber, oak, juniper, pine. Undergrowth, scrub oak, pine. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

West, on a random line, bet. secs. 9 & 16.

- 40.00 Set temp. ¼ sec. cor.
  - 79.90 Intersect N. & S. line at point 7 lks. N. of cor. of secs. 8, 9, 16 & 17, whence I run, N. 89° 57' E., on a true line, bet. secs. 9 & 16.
    - Over mts. land, asc. grad., along steep, stony, broken, N. slope, with great difficulty.
  - 27.43 Road, brs. ESE. & WNW.
  - 34.32 Wire fence, brs. N. & S., top of flat divide, bet. heads of Walnut and Wilson creeks, desc. grad.
  - 39.95 Set a quartzite stone 24x15x12 ins. 13 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.
  - 51.00 Juniper, 40 ins. diam. on line, blazed E. & W.
  - 59.25 Road, brs. SW. & NE.
  - 74.65 Road, brs. NNE. & SSW., in flat, brs. N. & S., asc. grad.
  - 79.90 To cor. of secs. 9, 10, 15 & 16.
    - Land, mts., rolling. Soil, 2nd & 3rd rate, stony, gravelly. Timber, oak, juniper. Undergrowth, young pine.
    - Mts. or rolling land, heavily timbered or covered with dense undergrowth, and exceptionally difficult to survey, 79.90 chs.
- At this cor. at 12h 6m p.m., l.m.t., I set off 21° 16' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 34° 2½' N. ✓

## Chains.

- N. 0° 2' E., bet. sec. 9 & 10.  
Over rolling mesa, or flat divide, through scattering oak and juniper timber.
- 20.20 Fence, brs. E. & W.  
23.55 Road, brs. NE. & SW.  
40.00 Set a sandstone 36x24x6 ins. 27 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.
- 60.00 Enter dense juniper and pine .  
66.30 Road, brs. NW. & SE.  
66.90 Road, brs. E. & SW. in turn  
69.21 Road, brs. NE. & SW.  
72.90 Road, brs. NW. & SE.  
74.15 Wash, 60 lks. wide, course ESE.  
80.00 Set a sandstone 20x10x3 ins. 15 ins. in ground for cor. of secs. 3, 4, 9 & 10, marked with 5 notches on S. and 3 notches on E. edges, and from which,  
A juniper tree 30 ins. diam. brs. N. 53 $\frac{1}{2}$ ° E. 105 lks. dist., marked T. 8 N., R. 15 E. S. 3 B.T..  
A juniper tree 50 ins. diam. brs. S. 9 $\frac{1}{2}$ ° E. 235 lks. dist., marked T. 8 N., R. 15 E. S. 10 B.T..  
A juniper tree 36 ins. diam. brs. S. 31° W. 143 lks. dist., marked T. 8 N., R. 15 E. S. 9 B.T..  
An oak tree 36 ins. diam. brs. N. 55° W. 23 lks. dist., marked T. 8 N., R. 15 E. S. 4 B.T..  
Land, rolling. Soil, 2nd rate, sandy, grabelly.  
Timber, oak, juniper, pine.  
Undergrowth, scattering scrub oak, young pine, & juniper.  
Rolling land, heavily timbered, 80.00 chs.
- 
- S. 89° 57' W., on a random line bet. secs. 4 & 9.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.00 Intersect N. & S. line at pint 7 lks. S. of cor. of secs. 4, 5, 8 & 9, whence I run, East, on a true line, bet. secs. 4 & 9.  
Over rolling land, through dense, heavy juniper, pine and oak timber. asc. grad.
- 20.00 Top of flat divide, brs. N. & S. desc. grad.  
40.00 Set a sandstone 20x10x6 ins. 15 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. 13° E. 75 lks. dist., marked  $\frac{1}{4}$  S. 4 B.T..  
A juniper tree 36 ins. diam. brs. S. 43 $\frac{1}{2}$ ° W. 22 lks. dist., marked  $\frac{1}{4}$  S. 9 B.T..  
60.03 Juniper tree 48 ins. diam., on line, blazed E. & W.  
69.00 Trail, Ellisons To Young, brs. NW. & SE.  
75.50 Wash, 30 lks. wide, course SE.  
76.90 Road, brs. N. & S.  
80.00 To cor. of secs. 3, 4, 9 & 10.  
Land, Rolling.  
Soil, 2nd rate, gravelly.  
Undergrowth, scrub oak, young pine & juniper.  
Fine grazing.  
Timber, heavy oak, juniper, and pine.  
Rolling, land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

## Chains.

- N.  $0^{\circ} 2'$  E., bet. secs. 3 & 4.  
Over mts. land, asc. grad. through dense, heavy oak, juniper, and pine timber, with great difficulty.
- 6.76 Road, brs. NE. & SW.
- 14.00 Wash, 80 lks. wide, course ESE. Ellison Creek.
- 20.25 Wash, 30 lks. wide, course SSW.
- 32.00 Enter wash, 30 lks. wide, course SSE.
- 34.65 Leave wash, runs, SE., asc. grad.
- 40.00 Set a sandstone  $20 \times 12 \times 4$  ins., on bed-rock, in mound of stone for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, from which,  
An oak tree 12 ins. diam. brs. N.  $8^{\circ}$  E. 160 lks. dist., marked  $\frac{1}{4}$  S. 3 B.T.  
An oak tree 13 ins. diam. brs. S.  $37^{\circ}$  W. 164 lks. dist., marked  $\frac{1}{4}$  S. 4 B.T.  
Asc. stony S. slope. leave heavy timber, brs. E. & W.
- 79.65 Intersect 2nd Standard Parallel North.  
Set a sandstone  $20 \times 15 \times 3$  ins. 15 ins. in ground for closing cor. of secs. 3 & 4, marked C.C. on S., with 3 grooves on E. & W. face, and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high S. of cor.  
No bearings available. Pits, impracticable.  
The Standard  $\frac{1}{4}$  sec. cor. on S. bdy. of sec. 33, T. 9 N., R. 15 E., brs. West, 13.60 chs. dist., which is a porphyry stone  $10 \times 8 \times 5$  ins. above ground, marked and witnessed as described by the Surveyor General.  
Land, mts. Soil, 2nd & 3rd rate, gravelly, stony.  
Timber, oak, pine, juniper. Undergrowth, young pine.  
Mts. land, or land heavily timbered and exceptionally difficult to survey, 79.65 chs.

July 17, 1910.

July 18, 1910.

- 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 by me., I set off  $21^{\circ} 9'$  N., on the decl. arc, and  $33^{\circ} 59'$  N. on the lat. arc, and determine a true meridian with the solar. Thence I run,
- N.  $0^{\circ} 2'$  E., bet. secs. 34 & 35.  
Over mts. land, desc. through dense scrub oak, and manzanilla, with great difficulty.
- 29:30 Canyon 2 chs. wide, 100 ft. deep, course ENE. water in same 6 chs. W., asc. grad.
- 40.00 Set a sandstone  $24 \times 12 \times 3$  ins. 18 ins. in ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, from which,  
A juniper tree 30 ins. diam. brs. N.  $82^{\circ}$  E. 63 lks. dist., marked  $\frac{1}{4}$  S. 35 B.T.  
An oak tree 10 ins. diam. brs. N.  $43^{\circ}$  W. 88 lks. dist., marked  $\frac{1}{4}$  S. 34 B.T.  
Elev. of this cor. 4800 ft.
- 43.00 Gulch 50 lks. wide, course ESE.
- 58.00 Old cabin and corral, brs. East, 4 chs. dist. abandoned.
- 62.00 Desc. prec. NE. slope.
- 64.00 Enter Canyon, Sloan creek 2 chs. wide, 150 ft. deep, course SE.
- 68.00 Leave canyon, from NE., asc. prec. stony SE. slope.
- 78.60 Top of sharp point from mesa, brs. E. & W., desc.
- 80.00 Set a limestone  $20 \times 10 \times 6$  ins. 15 ins. in ground for cor. of secs. 26, 27, 34 & 35, marked with 1 notch 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.  
No bearings available. Pits, impracticable.  
Land, mts., broken. Soil, 3rd rate, stony.  
Timber, some oak, juniper, cottonwood in canyons.  
Undergrowth, scrub oak, blackbrush, cacti. Good grazing:  
Mts. land, covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

Chains

- West, on a random line, bet. secs. 27 & 34.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.70 Intersect N. & S. line at point 5 lks. S. of cor. of secs. 27, 28, 33 & 34, whence I run, S.  $89^{\circ}58'$  E., on a true line, bet. secs. 27 & 34. Over mts. land, desc. broken, stony SE. slope, through dense oak, and juniper, with great difficulty.
- 12.00 Canyon, 150 lks. wide, 100 ft. deep, course ENE. asc. steep.
- 30.00 Top of ridge, brs. S. & N., Elev. 5200 ft., desc. steep.
- 39.35 Set a quartzite stone 13x3x6 ins. 12 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.
- 46.00 Head of draw, course SE. asc. grad. along SSE. slope.
- 60.00 Top, desc. grad. on stony pt.
- 75.00 Desc. steep, on E. point.
- 79.70 To cor. of secs. 26, 27, 34 & 35. Land, mts. broken. Soil, 3rd rate, very stony. Timber, oak, juniper, scattering last  $\frac{1}{2}$  mile. Undergrowth, scrub oak, thorn. Mts. land, exceptionally difficult to survey, 79.70 chs.
- 
- East, bet. secs. 26 and 35. Over mts. land, desc. prec. E. slope, through dense manzanita, and scrub oak, with great difficulty.
- 6.00 Sloan Creek, canyon 2 chs. wide, 200 ft. deep, course WSW. asc. prec.
- 12.00 Top of E. rim of canyon, desc. NE. slope.
- 37.23 Intersect West Boundary of White Mountain or Fort Apache Indian Reservation. Set a sandstone 36x15x12 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., with 1 groove on S. faces, from which, The  $20\frac{1}{2}$  mile cor. on W. bdy. of White Mtn. Indian Res'n, brs. North, 16.25 chs. dist., which is a syenite rock, 10x12x5 ins. above ground, marked and witnessed as described by the Surveyor General. (raise wd. of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.)
- Land, mts. Soil, 3rd rate, stony. Timber, scattering oak, juniper. Undergrowth, scrub oak, manzanita, buckbrush, thorn. Mts. land, covered with dense undergrowth, exceptionally difficult to survey, 37.23 chs. At this cor. at 12h 6m p.m., l.m.t., I set off  $21^{\circ}6'$  N. on the decl. arc., and observe the sun on the meridian. The resulting lat. is  $34^{\circ}$  N.

Chains	
	N. 0° 2' E., bet. secs. 26 & 27. Over mts. land, desc. prec. NE. slope, through dense manzanita, and scrub oak, with great difficulty.
6.00	Box canyon, Sloan creek, 4 chs. wide, 200 ft. deep, course SE., asc. prec. S. slope of bluff. Elev. in canyon, 4000 ft.
37.00	Top of bluff, brs. SE. & NW., asc. steep.
40.00	Set a redsandstone 24x15x6 ins., on bed-rock, in mound of stone for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which, A juniper tree 24 ins. diam. brs. S. 23 $\frac{1}{2}$ ° E. 66 lks. dist., marked $\frac{1}{4}$ S. 26 B.T. A juniper tree 14 ins. diam. brs. S. 8 $\frac{1}{2}$ ° W. 50 lks. dist., marked $\frac{1}{4}$ S. 27 B.T. Elev. of cor. 5600 ft.
46.00	Gulch 50 lks. wide, course WNW., asc. through dense oak and juniper timber.
60.00	Top of high ridge, brs. E. & W., Elev. 5400 ft., desc.
74.00	Gulch 50 lks. wide, course NW., asc.
80.00	Set a sandstone 24x12x8 ins. 13 ins. in ground for cor. of secs. 22, 23, 26 & 27, marked with 2 notches on S. & E. edges, and from which, An oak tree 10 ins. diam. brs. N. 79° E. 20 lks. dist., marked T. 8 N., R. 15 E. S. 23 B.T. An oak tree 8 ins. diam. brs. S. 30 $\frac{1}{2}$ ° E. 32 lks. dist., marked T. 8 N., R. 15 E. S. 26 B.T. A juniper tree 6 ins. diam. brs. S. 33° W. 41 lks. dist., marked T. 8 N., R. 15 E. S. 27 B.T. An oak tree 6 ins. diam. brs. N. 40° W. 20 lks. dist., marked T. 8 N., R. 15 E. S. 22 B.T.
	Land, mts., very rough. Soil, 3rd rate, stony. Timber, oak, juniper, pine. Undergrowth, scrub oak, manzanita, thorn, buckbrush. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs. July 18, 1910.
	July 19, 1910. At 7h a.m., l.m.t., at the cor. of secs. 22, 23, 26 & 27, I set off 20° 58 $\frac{1}{2}$ ' N. on the decl. arc., & 34° 1' N. on the lat. arc., and determine a true meridian with the solar. Thence I run, N. 89° 58' W., on a random line, bet. secs. 22 & 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line, at point 5 lks. S. of true pt. for cor. of secs. 21, 22, 27 & 28, whence I run, S. 89° 56' E., on a true line, bet. secs. 22 & 27. Over mts. land, asc. steep, stony ground, through dense oak and juniper, with great difficulty.
10.00	Top of spur, brs. SE. & NW., desc.
25.00	Wire fence, brs. NW. & SE.
28.00	Gulch 30 lks. wide, course SE., asc.
31.00	Top of spur, brs. SE. & NW., desc.
40.02	Set a sandstone 24x10x6 ins. 13 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.
50.00	Top of W. rim of canyon, desc. prec.
64.00	Canyon, Sloan creek 200 ft. deep, course SSW., asc. prec.
70.00	Top of sharp spur, brs. NW. & SE. desc.
77.00	Gulch 50 lks. wide, course NW., asc.
80.04	To cor. of secs. 22, 23, 26 & 27. Land, mts., very rough and broken. Soil, 3rd rate, very stony. Timber, some oak, juniper. Undergrowth, scrub oak, manzanita, thorn. Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.04 chs.

## Chains.

East, bet. secs. 23 & 26.  
 Over mts. land, asc. steep, stony W. slope, through dense manzanita and scrub oak, with great difficulty

10.00 Top of ridge, brs. S. & N., desc. Elev. 5600 ft.

37.30 Intersect West Boundary of White Mountain or Fort Apache Indian Reservation.  
 Set a sandstone 20x14x2 ins. 15 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,  
 A pine tree 12 ins.diam.brs. N.32°W. 63 lks.dist., marked T. 8 N.,R. 15 E. S. 23 C.C.B.T.  
 A pine tree 10 ins.diam.brs. S.50°W. 43 lks.dist., marked T. 8 N.,R. 15 E. S. 26 C.C.B.T.  
 The 19½ mile cor. on W. bdy. of White Mtn. Indian Res'n, brs. North, 16.50 chs. dist., which is a sandstone 10x3x7 ins.above ground, marked and witnessed as described by the Surveyor General.  
 Land, mts. Soil, 3rd rate, stony.  
 Timber, some pine, oak, and juniper.  
 Undergrowth, scrub oak, manzanita, buckbrush.  
 Mts. land, covered with dense undergrowth, exceptionally difficult to survey, 37.30 chs.  
 At this cor. at 12h 6m p.m., l.m.t., I set off 20°56' N.on the decl.arc., and observe the sun on the meridian.  
 The resulting lat. is 34° 1' N.

N. 0° 2' E., bet. secs. 22 & 23.  
 Over mts. land, asc. over stony ground, through dense oak and juniper, with great difficulty.

20.00 Top of mesa, brs. E. & W.

40.00 Set a sandstone 20x10x10 ins. 15 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 available. Pits, impracticable.

70.00 Desc. grad.

80.00 Set a sandstone 24x15x10 ins. 13 ins. in ground for cor. of secs. 14,15, 22 & 23, marked with 3 notches on S. & 2 notches on E. edges, from which,  
 A juniper tree 24 ins.diam. brs. N.50°E. 41 lks.dist., marked T. 8 N.,R. 15 E. S. 14 B.T.  
 A juniper tree 10 ins.diam.brs. S.9½°E., 53 lks.dist., marked T. 8 N.,R. 15 E. S. 23 B.T.  
 A juniper tree 20 ins.diam.brs. S.7½°W. 62 lks.dist., marked T. 8 N.,R. 15 E. S. 22 B.T.  
 An oak tree 14 ins.diam.brs. N.43½°W. 91 lks.dist., marked T. 8 N.,R. 15 E. S. 15 B.T.

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



Chains.

N. 89°56' W., on a random line, bet. secs. 15 & 22.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect N. & S. line, at point  $2\frac{1}{2}$  lks. S. of cor. of secs. 15, 16, 21 & 22, whence I run, S. 89°55' E., on a true line, bet. secs. 15 & 22. Over mts. land, asc. steep, through heavy oak and juniper timber, with great difficulty.

10.00 Top of spur, brs. NW. & SE., thence along N. slope over loose stones,

28.50 Gulch 80 lks. wide, course WNW., asc. grad. along S. slope.

38.50 Gulch 50 lks. wide, course SW.

40.00 Set a quartzite stone 20x12x10 ins. 15 ins. in ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face, from which,  
An oak tree 14 ins. diam. brs. S. 20° W. 26 lks. dist., marked  $\frac{1}{4}$  S. 22 B.T.  
An oak tree 14 ins. diam. brs. N. 65 $\frac{1}{2}$ ° E. 54 $\frac{1}{2}$  lks. dist., marked  $\frac{1}{4}$  S. 15 B.T.

55.00 Top of dividing mesa, brs. NNE. & SSW.

80.00 To cor. of secs. 14, 15, 22 & 23.  
Land, mts., broken, rolling.  
Soil, 3rd rate, stony. Good grazing.  
Timber, oak, pine, juniper.  
Undergrowth, scrub oak, pine, juniper, thorn.  
Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

---

East, bet. secs. 14 & 23.  
Over mts. land, desc. stony NE. slope, through dense oak, and heavy juniper timber, with great difficulty.

21.00 Enter canyon, 80 lks. wide, course ESE.

26.00 Leave canyon, brs. ESE., asc. grad. along S. slope.

37.45 Enterset West Bdy. of White Mountain Indian Reservation. Set a sandstone 24x14x4 ins. 18 ins. in ground for closing cor. of secs. 14 & 23, marked C.C. on W., *and raise a mound of stone 2 ft. high 1/2 ft. high west of corner* W.M.I.R. on E., with 3 grooves on S. faces, from which, The 18 $\frac{1}{2}$  mile cor. on W. bdy. of White Mtn. Indian Res'n, brs. North, 16.50 chs. dist., which is a sandstone 15x12x6 ins. above ground, marked and witnessed as described by the Surveyor General.

Land, mts., broken,  
Soil, 3rd rate, stony.  
Timber, oak, pine, juniper.  
Undergrowth, scrub oak, manzanita., buckbrush, thorn.  
Mts. land, heavily timbered, exceptionally difficult to survey, 37.45 chs.

July 19, 1910.

Chains July 20, 1910.  
 At 7h a.m., l.m.t., at the cor. of secs. 14, 15, 22 & 23,  
 I set off  $20^{\circ}47\frac{1}{2}'$  N., on the decl. arc, and  $34^{\circ}2'$  N. on the  
 lat. arc, and determine a true meridian with the solar.  
 Thence, I run,  
 N.  $0^{\circ}2'$  E., bet. secs. 14 & 15.  
 Over mts. land, desc. through dense heavy oak and  
 juniper, very stony ground, with great difficulty.  
 7.00 Gulch 60 lks. wide, course ESE., asc.  
 35.00 Top of flat ridge, brs. E. & W., thence along W. slope.  
 40.00 Set a sandstone  $20 \times 10 \times 3$  ins. 15 ins. in ground for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, from which,  
 An oak tree 24 ins. diam. brs. S.  $36^{\circ}$  E. 44 lks. dist.,  
 marked  $\frac{1}{4}$  S. 14 B.T.  
 An oak tree 24 ins. diam. brs. S.  $74^{\circ}$  W. 64 lks. dist.,  
 marked  $\frac{1}{4}$  S. 15 B.T.  
 50.00 Desc. NW. slope.  
 72.50 Gulch 60 lks. wide, course NW., asc.  
 78.00 Point of spur, brs. NW. & SE., desc.  
 80.00 Set a sandstone  $23 \times 12 \times 3$  ins. 20 ins. in ground for  
 cor. of secs. 10, 11, 14 & 15, marked with 4 notches on S.  
 & 2 notches on E. edges, and raise a mound of stone  
 4 ft. base, 3 ft. high W. of cor., from which,  
 A pine tree 24 ins. diam. brs. N.  $23^{\circ}$  E. 88 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 11 B.T.  
 A juniper tree 36 ins. diam. brs. S.  $56\frac{1}{2}^{\circ}$  E. 59 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 14 B.T.  
 A juniper tree 24 ins. diam. brs. S.  $44\frac{1}{2}^{\circ}$  W. 27 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 15 B.T.  
 A juniper tree 24 ins. diam. brs. N.  $70^{\circ}$  W. 62 lks. dist.,  
 marked T. 8 N., R. 15 E. S. 10 B.T.  
 Land, mts. Soil, 3rd rate, stony.  
 Timber, oak, juniper.  
 Undergrowth, scrub oak, . Good grazing.  
 Mts. land, heavily timbered, exceptionally difficult to  
 survey, 80.00 chs.

---

N.  $89^{\circ}55'$  W., on a random line, bet. secs. 10 & 15.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.30 Intersect N. & S. line at point 2 lks. N. of cor. of  
 secs. 9, 10, 15 & 16, whence I run,  
 S.  $39^{\circ}56'$  E., on a true line, bet. secs. 10 & 15.  
 Over mts. land, asc. steep, stony NW. slope, through  
 heavy oak, and juniper timber, with great difficulty.  
 31.00 Top of spur, brs. N. & S., terminates 16 chs. N., desc.  
 39.90 Set a sandstone  $24 \times 10 \times 3$  ins. 13 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.  
 42.00 Gulch 80 lks. wide, course N., asc. broken NW. slope.  
 75.00 Gulch 50 lks. wide, course N., asc. steep.  
 79.80 To cor. of secs. 10, 11, 14 & 15.  
 Land, mts. Soil, 3rd rate, stony.  
 Timber, oak, juniper, some pine.  
 Undergrowth, scrub oak, manzanita, thorn. Good grazing.  
 Mts. land, heavily timbered or covered with dense under-  
 growth, exceptionally difficult to survey, 79.80 chs.  
 At this cor., at 12h 6m p.m., l.m.t., I set off  $20^{\circ}44\frac{1}{2}'$  N. on  
 the decl. arc., and observe the sun on the meridian.  
 The resulting lat. is  $34^{\circ}2\frac{1}{2}'$  N.

Chains  
 East, bet. secs. 11 & 14.  
 Over mts., land, along steep, stony N. slope, through dense oak, juniper, scrub oak and manzanita, with great difficulty.  
 31.00 Gulch 50 lks. wide, course N., asc.  
 36.00 Top of spur, brs. N. & S., desc.  
 37.45 Intersect West Bdy. of White Mountain Indian Reservation. Set a sandstone 24x15x12 ins. 13 ins. in ground for closing cor. of secs. 11 & 14, marked, C.C. on W., W.M.I.R. on E. faces, with 4 grooves on S. face, from which,  
 An oak tree 15 ins. diam. brs. N. 70° W. 15 lks. dist., marked T. 8 N., R. 15 E. S. 11 B.T.  
 An oak tree 10 ins. diam. brs. S. 15½° W. 15 lks. dist., marked T. 8 N., R. 15 E. S. 14 B.T.  
 The 17½ mile cor. on W. bdy. of White Mtn. Indian Res'n, brs. North, 16.58 chs. dist., which is a stone in place, 3½x3x2 ft. above ground, marked and witnessed as described by the Surveyor General.  
 Land, mts. broken.  
 Soil, 3rd rate, stony.  
 Timber, oak, pine, juniper.  
 Undergrowth, scrub oak, manzanita. Good grazing.  
 Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 37.45 chs.

N. 0° 2' E., bet. secs. 10 & 11.  
 Over mts. land, desc. steep, stony N. slope, through oak and juniper, with great difficulty.  
 10.00 Mouth of canyon, 50 lks. wide, course NE.  
 20.00 Ellison Creek, (dry) 2 chs. wide, course E. asc. steep, stony, S. slope.  
 22.37 Trail, brs. NE. & SW.  
 30.00 Asc. prec.  
 40.00 Top of mesa, brs. E. & W., Set a quartzite stone 14x3x6 ins. 9 ins. in ground for ¼ sec. cor., marked ¼ on W. face, from which,  
 An oak tree 12 ins. diam. brs. S. 63° E. 30 lks. dist., marked ¼ S. 11 B.T.  
 An oak tree 8 ins. diam. brs. N. 75½° W. 36 lks. dist., marked ¼ S. 10 B.T. asc. grad. from cor.  
 45.00 Top of flat ridge, brs. E. & W., desc. Elev. 5700 ft.  
 50.00 Desc. steep.  
 60.00 Head of gulch, course NE., thence along East slope.  
 80.00 Set a sandstone 24x15x10 ins. 13 ins. in ground for cor. of secs. 2, 3, 10 & 11, marked with 5 notches on S. & 2 notches on E. edges, from which,  
 A pine tree 14 ins. diam. brs. N. 1° E. 21 lks. dist., marked T. 8 N., R. 15 E. S. 2 B.T.  
 A pine tree 10 ins. diam. brs. S. 76° E. 44 lks. dist., marked T. 8 N., R. 15 E. S. 11 B.T.  
 A pine tree 10 ins. diam. brs. S. 30° W. 36 lks. dist., marked T. 8 N., R. 15 E. S. 10 B.T.  
 An oak tree 8 ins. diam. brs. N. 59° E. 25 lks. dist., marked T. 8 N., R. 15 E. S. 3 B.T.  
 Land, mts. broken.  
 Soil, 3rd rate, stony.  
 Timber, oak, pine, juniper.  
 Undergrowth, scrub oak, manznaita. Good grazing on mesa.  
 Mts. land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

July 20, 1910.

Chains.	<p>July 21, 1910.</p> <p>At 7h a.m., l.m.t., at the cor. of secs., 2, 3, 10 &amp; 11, I set off 20° 36' N. on the decl. arc, and 34° 3' N. on the lat. arc, and determine a true meridian with the solar. Thence I run,</p> <p>N. 89° 56' W., on a random line, bet. secs. 3 &amp; 10,</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>79.92 Intersect N. &amp; S. line at point 9 lks. N. of cor. of secs. 3, 4, 9 &amp; 10, whence I run, East, on a true line, bet. secs. 3 &amp; 10.</p> <p>Over rolling valley, through dense heavy oak, juniper and pine timber, with great difficulty.</p> <p>11.00 Ellison creek (dry) 80 lks. wide, course SSE.</p> <p>14.00 Fence, brs. NNW. &amp; SSE., leave timber, enter corn field of J.W. Ellison., brs. N. &amp; S.</p> <p>28.25 Fence, brs. NW. &amp; SE., leave field, asc. grad.</p> <p>39.96 Set a juniper post 4 ins. sq., 3 ft. long, 1 ft. in ground to bed-rock, in mound of stone, for ¼ sec. cor., marked ¼ S. 3 on N., and S. 10 on S., face, from which,</p> <p>A juniper tree 30 ins. diam. brs. S. 17° W. 330 lks. dist., marked ¼ S. 10 B.T.</p> <p>A juniper tree 30 ins. diam. brs. N. 53½° W. 347 lks. dist., marked ¼ S. 3 B.T.</p> <p>68.80 Wire fence, brs. N. &amp; S., asc. steep. dense oak &amp; juniper.</p> <p>76.00 Top of spur, brs. N. &amp; S., desc.</p> <p>79.92 To cor. of secs. 2, 3, 10 &amp; 11.</p> <p>Land, mts., rolling.</p> <p>Soil, 2nd rate, sandy, loamy, stony.</p> <p>Timber, oak, pine, juniper.</p> <p>Undergrowth, scrub oak, young pine, manzanita.</p> <p>Mts. land, or land covered with dense undergrowth,</p> <p style="text-align: right;">79.92 chs.</p> <hr/> <p>East, bet. secs. 2 &amp; 11.</p> <p>Over mts., land, desc., through dense scrub oak and manzanita, with great difficulty.</p> <p>10.00 Gulch 50 lks. wide, course SE., asc. SSE. slope.</p> <p>20.00 Point of spur, brs. S. &amp; N., desc.</p> <p>35.00 Gulch 80 lks. wide, course S., asc.</p> <p>37.30 Intersect West Bdy. of White Mountain Indian Reservation. Set a quartzite stone 24x12x8 ins. 18 ins. in ground for closing cor. of secs. 2 &amp; 11, marked C.C. on W.,</p> <p>W.M.I.R. on E., with 5 grooves on S. faces, from which,</p> <p>An oak tree 24 ins. diam. brs. S. 20° W. 65 lks. dist., marked ¼ S. 11 B.T.</p> <p>An oak tree 14 ins. diam. brs. N. 29½° W. 87 lks. dist., marked ¼ S. 2 B.T.</p> <p>The 16½ mile cor. on W. bdy. of White Mountain Indian Reservation, brs. North, 1647 chs. dist., which is a sandstone 12x9x6 ins. above ground, marked and witnessed as described by The Surveyor General.</p> <p>At this cor., at 12h 6m p.m., l.m.t., I set off 20° 33' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 34° 3' N.</p> <p>Land, mountainous, rolling. Soil, 2nd rate, sandy, loamy, stony.</p> <p>Timber, oak, pine, juniper.</p> <p>Undergrowth, scrub oak, young pine, manzanita.</p> <p>Mountainous land, or land covered with dense undergrowth,</p> <p style="text-align: right;">37.30 chs.</p>
---------	---

## Subdivision of T. 8 N., R. 15 E.

Chains.

N. 0° 2' E., bet. secs. 2 & 3.  
Over mts. land, desc. steep, through dense scrub oak, and manzanita, with great difficulty.

16.00 Canyon 150 lks. wide, course ESE., asc. through dense oak and juniper timber, on long spur.

30.00 Top of spur, brs. SSW. & NNE., thence along W. slope.

40.00 Set a sandstone 20x12x6 ins. 18 ins. in ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, from which,  
A juniper tree 15 ins. diam. brs. S. 39° W. 89° lks. dist., marked  $\frac{1}{4}$  S. 3 B.T.  
A juniper tree 24 ins. diam. brs. S. 63° E. 69 lks. dist., marked  $\frac{1}{4}$  S. 2 B.T. desc. from cor.

66.00 Gulch 50 lks. wide, course SW., asc.

79.75 Intersect 2nd Standard Parallel North.  
Set a sandstone 30x15x6 ins., on bed-rock, in mound of stone for closing cor. of secs. 2 & 3, marked C.C. on S., with 2 grooves on E., and 4 grooves on W. faces, and raise a md. pf stone 2 ft base,  $1\frac{1}{2}$  ft. high, S. of cor. from which  
A juniper tree 24 ins. diam. brs. S. 16° E. 40 lks. dist., marked T. 8 N., R. 15 E. S. 2 C.C. B.T.  
The Standard corner of secs. 34 & 35, on S. Bdy. of T. 9 N., R. 15 E., brs. East, 26.20 chs. dist., which is a sandstone 8x5x6 ins. above ground, marked and witnessed as described by the Surveyor General.  
Land, mountainous, rolling, Soil, 2nd rate, sandy, loamy, stony. Timber, oak, pine, juniper.  
Undergrowth, scrub oak, young pine, manzanita.  
Mountainous land, or land covered with dense undergrowth,  
79.75 chs.

## General Description.

This Township is nearly all broken mountainous land, with narrow mesas between the larger canyons.

The land is fairly well timbered with oak, juniper and pine timber, especially on the higher mesas, the mean elevation of which is 5300 ft.

The soil is in general stony or gravelly, and but little of the land could be cultivated.

The greater portion of the land in this township, is covered with a good native grass, on which the wild cattle thrive.

The NE. portion of the Tp. contains some 800 or 900 acres of land, at the heads of the large draws, that can be cultivated successfully.

J.W. Ellison in sec. 10, has valuable improvements, and has in cultivation about 200 acres of fine land.

M.C. Gardner has located in the NW.  $\frac{1}{4}$  of sec. 21, and has made small improvements therein.

John Marley and three sons have acquired the rights of the original settlers in SW.  $\frac{1}{4}$  of sec. 17, and has good improvements therein, house, barns, corrals etc.

There is but little permanent water in the Tp., but the rainfall is usually sufficient during the months of July and August to mature crops.

The land is valuable mostly for grazing purposes and is now well stocked by Ellison and Marley.

No indications of mineral noted.

Note: The error in the closure of sec. 2 is due to an error in the distance from the 16 to the 16 $\frac{1}{2}$  M. cor., which I find to be only 39.20 chs.

*James B. Wright*

U.S. Deputy Surveyor.

For authority forwarded into corrections  
see Deputy's letter of Sept. 27-1910.

30 FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

See Book G., subs. T87. P148.

LIST OF NAMES.

BOOK 2251

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 \_\_\_\_\_



96 In  
BOOK 2251

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

See Book G. Sub J. 8 N. R 14 E.

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. Wright* May 26, 1911

The foregoing field notes of the survey of *the subdivision lines of*  
*J. 8 N. R. 15 E., Salt and Salt River*  
*Meridian, Arizona.*

executed by *Geo B Wright* U.S. Dep. Sur.  
under his contract No. *160*, dated *October 2*, 190*9*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank B. 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.