

Accepted, Dept. letter 2 Oct 4.

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Book J.

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2114

BOOK 2114

FIELD NOTES

OF THE SURVEY OF THE

2114

2114

Subdivisional lines of Tp. 9 N., R. 13 E.

2114

Of the Gila & Salt River Base & Meridian,

Arizona.

AS SURVEYED BY

Edgar C. Dietrich

United States Deputy Surveyor,

Under his Contract No. 140, dated May 7th 1906

Survey commenced August 10th 1907

Survey completed August 30th 1907

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2114

NAMES AND DUTIES OF ASSISTANTS.

James B. Boley	}	Chainmen
John Harding Culin		

John M. Trayer	}	moundmen
Albert H Sanford		

Fred Smith	}	axmen
Robert Holder		

Chas. Neumayer, Flagman

BOOK 2114

Book No. 2114

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PRELIMINARY OATHS OF ASSISTANTS.

WE, James B. Boley and John Harding Culin
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over 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 subdivisional lines of Sp. 9 N., R. 13 E.

James B. Boley, Chainman.
John Harding Culin, Chainman.

Subscribed and sworn to before me this 10th
day of July, 1897



Edgar L. Dietrich
U.S. Deputy Surveyor
No Notary available

WE, John M. Trayer and Albert H. Sanford
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 subdivisional lines of Sp. 9 N., R. 13 E.

John M. Trayer, Moundman.
Albert H. Sanford, Moundman.

Subscribed and sworn to before me this 10th
day of July, 1897



Edgar L. Dietrich
U.S. Deputy Surveyor
No Notary available

WE, Fred Smith and Robert Holder
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 subdivisional lines of Sp. 9 N., R. 13 E.

Fred Smith, Axman.
Robert Holder, Axman.

Subscribed and sworn to before me this 10th
day of July, 1897



Edgar L. Dietrich
U.S. Deputy Surveyor
No Notary available

I, Chas. Neumayer, 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 subdivisional lines of Sp. 9 N., R. 13 E.

Chas. Neumayer, Flagman.

Subscribed and sworn to before me this 10th
day of July, 1897



Edgar L. Dietrich
U.S. Deputy Surveyor
No Notary available

Subdivision of Township 9 North, Range 13 East.

chains

Survey commenced August 8, 1907, and executed with a Queen light mountain transit, with Burts' solar attachment No. 4607. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the latitude and declination arcs. The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the Surveyor General for Arizona, July 15, 1907. I examine the adjustments of the transit, and correct the level and collimation errors, then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

I begin at the cor. of secs. 35 and 36 on the S. bdy. of Tp. 9 N., R. 13 E., latitude $34^{\circ} 04' 20''$ N. longitude $110^{\circ} 57' 50''$ W., and set off $34^{\circ} 14'$ N. on the lat. arc, and $16^{\circ} 17'$ N. on the decl. arc, and at 5 h. p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground 5 chs. N. of the cor.

At 10h 25m p.m., by my watch, which is correct, I observe Polaris at Eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

August 8, 1907.

August 9, 1907/ At 6h a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ} 26'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone set last night, on which the meridian coincides with the meridian determined by the solar. At 8h 30m a.m., l.m.t., I set off $34^{\circ} 04'$ N. on the lat. arc, $16^{\circ} 5'$ N. on the decl. arc, and mark a point with the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station, which coincides with the meridian established by Polaris observation.

The magnetic bearing of the true meridian, at 8h 30m., a.m., l.m.t., is N. $14^{\circ} 30'$ W.; the angle thus determined gives the mag. decl. $14^{\circ} 30'$ E.

Thence I run, N. $0^{\circ} 1'$ W., bet. secs. 35 and 36. Over rolling land, descending through scattering timber. Enter heavy timber, extends NE. and SW.

17.00
38.85
40.00

Dry wash, 20 lks. wide, course NW/
Set a sandstone, 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which
A juniper, 40 ins. diam., brs. N. $18\frac{1}{2}^{\circ}$ E., 20 lks. dist., marked $\frac{1}{4}$ S 36 B T.
An oak, 9 ins. diam., brs. N. $87\frac{1}{2}^{\circ}$ W., 87 lks. dist., marked $\frac{1}{4}$ S 35 B T.

44.70
58.00
77.30
80.00

Enter dry wash, course N., enter level land.
Leave wash, course NNE.
Dry wash, 5 lks. wide, course E.
Set a sandstone, 24 X 8 X 8 ins., 18 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S. and E. edges, from which

Subdivision of Township 9 North, Range 13 East.

chains	<p>A juniper, 12 ins. diam., brs. N. 27° E., 75 lks. dist., marked T 9 N R 13 E S 25 B T. An oak, 8 ins. diam., brs. S. 36½° E., 60 lks. dist., marked T 9 N R 13 E S 36 B T. A juniper, 20 ins. diam., brs. S. 41½° W., 102 lks. dist., marked T 9 N R 13 E S 35 B T. A juniper, 20 ins. diam., brs. N. 70° W., 102 lks. dist., marked T 9 N R 13 E S 26 B T. Land, rolling and level. Soil, gravelly; 2nd and 3rd rate. Timber, oak, juniper and pine; undergrowth, oak and pine. Land covered with heavy timber, 63.00 chs.</p>
40.00	<p>----- East on a random line bet. secs. 25 and 36. Set temp. ¼ sec. cor.</p>
79.98	<p>Intersect the E. bdy. at a point 5 lks. S. of cor. of secs. 25, 30, 31 and 36. Thence I run, S. 89° 58' W., on a true line bet. secs. 25 and 36. Over gently rolling land, through heavy timber.</p>
5.50	<p>Dry wash, 20 lks. wide, course NE.</p>
13.15	<p>Dry wash, 20 lks. wide, course N., leave heavy timber, extends N. and S.</p>
25.30	<p>Wire fence, brs. N. and S.</p>
39.50	<p>Dry wash, 10 lks. wide, course N.</p>
39.99	<p>Set a granite stone, 18 X 8 X 6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. An oak, 9 ins. diam., brs. N. 70¾° W., 72 lks. dist., marked ¼ S 25 B T. No other trees available.</p>
63.00	<p>Enter heavy timber, extends NE. and SW.</p>
64.80	<p>Dry wash, 25 lks. wide, course N.</p>
73.00	<p>Enter level land, extends NE. and SW.</p>
78.40	<p>Dry wash, 30 lks. wide, course NNE.</p>
79.98	<p>The cor. of secs. 25, 26, 35 and 36. Land, gently rolling and level. Soil, gravelly loam., 2nd and 3rd rate. Timber, oak, juniper and pine; undergrowth, oak. Land covered with heavy timber, 30.15 chs.</p>
6.80	<p>----- N. 0° 1' W., bet. secs. 25 and 26. Over nearly level land, through heavy timber.</p>
8.00	<p>Dry wash, 30 lks. wide, course NE.</p>
19.20	<p>Leave heavy timber, extends NE. and SW. Wood road and trail from Young to Spring Creek, brs. NE. and SW.</p>
40.00	<p>Set a sandstone, 24 X 6 X 6 ins., 18 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; dig pits, 18 X 18 X 12 ins., N. and S. of cor., N. and S. of cor. and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.</p>
46.80	<p>Dry wash, 30 lks. wide, course NE.</p>
64.85	<p>Dry wash, 15 lks. wide, course E.</p>
70.45	<p>Dry wash, 15 lks. wide, course SE., enter rolling land.</p>
80.00	<p>Set a granite stone, 18 X 8 X 6 ins., 12 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked with 2 notches on the S. and 1 notch on the E. edge, dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, nearly level and rolling. Soil, gravelly loam and gravelly; 2nd and 3rd rate. Timber, oak and juniper. Land covered with heavy timber, 80.00 chs. August 9; At noon, I set off 16° 3' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 06' N.</p>

Subdivision of Township 9 North, Range 13 East.

chains	N. 89° 58' E., on a random line bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect the E. bdy. of Tp. at a point 5 lks. N. of cor. of secs. 19, 24, 25 and 30.
	Thence I run,
	West on a true line, bet. secs. 24 and 25.
	Over nearly level land.
9.00	Enter scattering juniper timber; extends N. and S.
11:30	Dry wash, 30 lks. wide, course SSE.
40.01	Set a granite stone, 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, dig pits, 18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
53.50	Dry wash, 25 lks. wide, course SE.
70.00	Enter gently rolling land.
80.02	The cor. of secs. 23, 24, 25 and 26.
	Land, level and gently rolling.
	Soil, Rich and gravelly loam; 1st, 2nd and 3rd rate.
	Timber, scattering juniper.

	N. 0° 1' W., bet. secs. 23 and 24.
	Over gently rolling land.
16.00	Enter heavy timber and brush, extends E. and W.
19.00	Dry wash, 20 lks. wide, course ESE.
21.00	Old road, and mail trail from Young to Payson, brs. NW. and SE
40.00	Set a granite stone, 18 X 8 X 5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which
	A juniper, 24 ins. diam., brs. N. ^{72$\frac{1}{4}$°} 52$\frac{1}{4}$° E., ⁹⁹ 106 lks. dist., marked $\frac{1}{4}$ S 24 B T
	A juniper, 40 ins. diam., brs. S. ^{65$\frac{3}{4}$°} 82$\frac{1}{4}$° W., ⁶⁴ 59 lks. dist., marked $\frac{1}{4}$ S 23 B T.
41.49	Dry wash, 25 lks. wide, course W., enter dense brush.
56.00	Enter granite rocks; ascend.
61.00	Ridge, extends SE. and NW. descend.
63.80	Dry wash, 20 lks. wide, course SE., ascend.
76.00	Top of ascent; extends E. and W.
80.00	Set a granite stone, 21 X 8 X 8 ins., 16 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked with 3 notches on the S., and 1 notch on the E. from which
	A pinon, 9 ins. diam., brs. N. 54 $\frac{1}{2}$ ° E., 77 lks. dist., marked T 9 N R 13 E S 13 B T.
	A pinon, 7 ins. diam., brs. S. 76 $\frac{3}{4}$ ° E., 77 lks. dist., marked T 9 N R 13 E S 24 B T.
	A pinon, 9 ins. diam., brs. S 83 $\frac{1}{2}$ ° W., 38 lks. dist., marked T 9 N R 13 E S 23 B T.
	A juniper, 9 ins. diam., brs. N. 36° W., 99 lks. dist., marked T 9 N R 13 E S 14 B T.
	Land, gently rolling and mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, oak, juniper, pinon and pine; undergrowth, oak and manzanita.
	Mountainous land, or land covered with heavy timber or dense undergrowth, 80.00 chs.

	East on a random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect the E. bdy. of Tp. at a point 9 lks. N. of cor. of secs. 13, 18, 19 and 24.
	Thence I run,
	N. 89° 56' W. on a true line bet. secs. 13 and 24.
	Over rolling land, through scattering timber.
5.50	Dry wash, 15 lks. wide, course SE.
8.40	Dry wash, 10 lks. wide, course S.
22.70	Dry wash, 15 lks. wide, course SE.

Subdivision of Township 9 North, Range 13 East.

chains	
33.30	Enter heavy timber, extends NE. and SW.
34.60	Dry wash, 20 lks. wide, course SW., enter granite rocks.
36.60	Dry wash, 20 lks. wide, course S.
40.02	Point for $\frac{1}{4}$ sec. cor. falls on blanket ledge of granite which I mark with a cross (X) for exact $\frac{1}{4}$ sec. cor. point, with $\frac{1}{4}$ N. of cross, from which A pinon, 19 ins. diam., brs. S. $37\frac{1}{2}^{\circ}$ E., 110 lks. dist., marked $\frac{1}{4}$ S 24 B T. A juniper, 9 ins. diam., brs. N. $56\frac{1}{2}^{\circ}$ W., 62 lks. dist., marked $\frac{1}{4}$ S 13 B T.
45.20	Dry wash, 20 lks. wide, course SE.
56.90	Dry wash, 15 lks. wide, course SW., enter dense brush.
60.00	Dry wash, 35 lks. wide, course SSE.
74.60	Dry wash, 15 lks. wide, course SE.
80.04	The cor. of secs. 13, 14, 23 and 24. Land, gently rolling. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper, pinon and pine, undergrowth, oak, manzanita, mesquite, Spanish bayonet, nopal cacti. Land, heavily timbered or covered with dense undergrowth, 46.74 chs.
	August 9, 1907.

	August 10, 1907. At 7h a.m., l.m.t., I set off 15° 50' N. on the decl. arc and 34° 07' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 13, 14, 23 and 24. Thence I run, N. 0° 1' W., bet. secs. 13 and 14. Over gently rolling land, through heavy timber and dense brush.
7.00	Leave heavy timber, extends E. and W.
9.00	Dry wash, 20 lks. wide, course SW.; ascend.
20.00	Ascend steep slope; leave dense brush.
40.00	Set a sandstone, 18 X 10 X 10 ins., 12 ins. in the 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. Pits impracticable.
54.00	Enter heavy timber, extends E. and W.
58.00	Top of mesa, extends NE. and SW.
62.00	Leave heavy timber, extends NE. and SW.
78.00	Leave mesa, thence along W. slope of ridge, extends N. and S.
80.00	Set a sandstone, 21 X 8 X 6 ins., 16 ins. in the ground, for cor. of secs. 11, 12, 13 and 14 marked with 4 notches on the S. and 1 notch on the E. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous, gently rolling and level. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, pine, juniper and pinon; undergrowth, oak and manzanita. Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 62.00 chs.

40.00	S. 89° 56' E. on a random line bet. secs. 12 and 13. Set temp. $\frac{1}{4}$ sec. cor.
79.95	Intersect the E. bdy. of Tp. at a point 7 lks. S. of cor. of secs. 7, 12, 13 and 18, Thence I run, N. 89° 59' W., bet. secs. 12 and 13. Along S. slope of ridge.

Subdivision of Township 9 North, Range 13 East.

chains	
16.00	Through oak timber and dense brush.
39.975	Set a sandstone, 24 X 10 X 8 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
41.00	Dry wash, 25 lks. wide, course S.; ascend, leave brush.
57.30	Enter heavy timber, extends N. and S.
68.00	Top of ridge, extends N. and S.
70.00	Descend; leave timber, extends N. and S.
79.95	The cor. of secs. 11, 12, 13 and 14. Land, mountainous. Soil, gravelly and stony and rocky; 3rd and 4th rate. Timber, oak and juniper; undergrowth, oak and manzanita. Mountainous land, heavily timbered, exceptionally difficult to survey, 79.95 chs.

	N. $0^{\circ} 1'$ W., bet. secs. 11 and 12.
40.00	Along W. slope of high ridge. Set a porphyry stone, 21 X 10 X 5 ins., 16 ins. in the 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. Pits impracticable.
62.00	Rocky butte on ridge brs. E. 15 chs, dist.
68.00	Begin descent from slope.
80.00	Set a sandstone, 18 X 8 X 6 ins., 12 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked with 5 notches on the S. and 1 notch on the E. edge, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, gravelly and stony, 2nd and 3rd rate. Timber, a few juniper. Mountainous land, exceptionally difficult to survey, 80.00 chs. Cloudy weather prevented the noon observation.

	S. $89^{\circ} 59'$ E., on a random line bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect the E. bdy. of Tp. at a point 5 lks. N. of cor. of secs. 1, 6, 7 and 12. Thence I run, N. $89^{\circ} 57'$ W., on a true line, bet. secs. 1 and 12. Descending over mountainous land.
5.00	Dry wash, 20 lks. wide, course NE., ascend through heavy timber.
39.96	Set a sandstone, 18 X 6 X 5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which An oak, 16 ins. diam., brs. S $54\frac{1}{2}^{\circ}$ W., 185 lks. dist., marked $\frac{1}{4}$ S 12 B T. An oak, 12 ins. diam., brs. N. 64° W., 246 lks. dist., marked $\frac{1}{4}$ S 1 B T.
63.00	Ridge, extends N. and S., descend.
75.00	Leave heavy timber, extends N. and S.
79.92	The cor. of secs. 1, 2, 11 and 12. Land mountainous and gently rolling. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak and juniper; undergrowth, oak. Mountainous land, or land heavily timbered, exceptionally difficult to survey, 79.92 chs.

	N. $0^{\circ} 14'$ W., on a random line bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.05	Intersect the N. bdy. of Tp. at a point 7 lks. E. of cor. of secs. 1, 2, 35 and 35. Thence I run, S. $0^{\circ} 4'$ E., on a true line bet. secs. 1 and 2.

Subdivision of Township 9 North, Range 13 East.

chains	Over mountainous land, along E. slope of ridge, through dense brush.
16.00	Begin steep descent.
24.00	Dry wash, 20 lks. wide, course E., enter heavy timber; ascend.
34.60	Top of E. slope of round butte; descend.
40.05	Set a quartz stone, 18 X 8 X 5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which A pine, 20 ins. diam., brs. S. 78° E., 79 lks. dist., marked $\frac{1}{4}$ S 1 B T. An oak, 18 ins. diam., brs. S. 68 $\frac{1}{2}$ ° W., 56 lks. dist., marked $\frac{1}{4}$ S 2 B T.
46.30	Dry wash, 15 lks. wide, course NE.
56.00	Ascend.
67.00	Leave timber and brush, extends E. and W.
80.05	The cor. of secs. 1, 2, 11 and 12. Land, mountainous and gently rolling. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, pine, juniper, oak and pinon; undergrowth, oak and manzanita. Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.05 chs.
	August 10, 1907.

	August 11, 1907. At 7h a.m., l.m.t., I set off 15° 32' N. on the decl. arc, and 34° 04' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 2, 3, 34 and 35. on the S. bdy. of the Tp. Thence I run, N. 0° 1' W., bet. secs. 34 and 35. Along the E. slope of ridge, over spurs, extending E.; through heavy timber and dense oak brush.
13.50	Dry wash, 15 lks. wide, course E.
20.50	Dry wash, 20 lks. wide, course E., enter dense manzanita brush.
40.00	Set a sandstone, 21 X 8 X 6 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which A pine, 6 ins. diam., brs. N. 69 $\frac{1}{2}$ ° E., 39 lks. dist., marked $\frac{1}{4}$ S 35 B T. An oak, 8 ins. diam., brs. S. 19 $\frac{1}{2}$ ° W., 25 lks. dist., marked $\frac{1}{4}$ S 34 B T.
49.30	Dry wash, 15 lks. wide, course E., leave manzanita and enter dense oak brush.
60.00	Leave slope of ridge and dense brush; enter gently rolling land.
75.95	Trail from Young to Spring Creek, brs. E. and W.
80.00	Set a sandstone, 21 X 6 X 5 ins., 16 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked with 1 notch on the S. and 2 notches on the E. edge, from which A juniper, 20 ins. diam., brs. N. 52° E., 12 lks. dist., marked T 9 N R 13 E S 26 B T. A juniper, 30 ins. diam., brs. S. 23° E., 67 lks. dist., marked T 9 N R 13 E S 35 B T. A juniper, 10 ins. diam., brs. S. 40 $\frac{1}{2}$ ° W., 114 lks. dist., marked T 9 N R 13 E S 34 B T. An oak, 6 ins. diam., brs. N. 56 $\frac{1}{2}$ ° W., 45 lks. dist., marked T 9 N R 13 E S 27 B T. Land, mountainous and gently rolling. Soil, gravelly, stony and rocky; 2nd, 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak and manzanita. Mountainous land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

Subdivision of Township 9 North, Range 13 East.

chains

40.00 East on a random line, bet. secs. 26 and 35.
 79.92 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect the N. and S. line at a point 4 lks. N. of
 cor. of secs. 25, 26, 35 and 36.
 Thence I run,
 N. $89^{\circ} 58'$ W. on a true line, bet. secs. 26 and 35.
 Over nearly level land, through heavy timber.
 9.70 Dry wash, 30 lks. wide, course NE.
 12.20 Same wash, 30 lks. wide, course SE
 15.70 Same wash, 30 lks. wide, course NE.
 23.00 Leave heavy timber, extends NE. and SW., enter gently
 rolling land.
 39.96 Set a sandstone, 18 X 6 X 6 ins., 12 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, dig pits,
 18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist.,
 and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 57.00 Dry wash, 20 lks. wide, course NE., reenter heavy timber,
 extends NE. and SW.
 76.00 Trail from Young to Spring Creek, brs. Ne. and SW.
 79.92 The cor. of secs. 26, 27, 34 and 35.
 Land, gently rolling and nearly level.
 Soil, gravelly loam; 2nd and 3rd rate.
 Timber, oak, juniper and pine; undergrowth, oal.
 Land covered with heavy timber, 49.00 chs.

 N. $0^{\circ} 1'$ W., bet. secs. 26 and 27.
 Descending gradually over gently rolling land, through
 heavy timber.
 17.40 Dry wash, 20 lks. wide, course N., thence NE.
 20.00 Leave timber, extends E. and W.
 33.50 Dry wash, 30 lks. wide, course NE.
 40.00 Set a sandstone, 21 X 10 X 5 ins., 16 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise
 a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 A wild cherry, 15 ins. diam., brs. S. $58\frac{1}{2}^{\circ}$ E., 192
 lks. dist., marked $\frac{1}{4}$ S 26 B T.
 46.00 Dry wash, 30 lks. wide, course E.
 80.00 Set a sandstone, 24 X 5 X 5 ins., 18 ins. in the ground,
 for cor. of secs. 22, 23, 26 and 27., marked with 2
 notches on the S. and E. edges., and raise a mound
 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits
 impracticable.
 A juniper, 36 ins. diam., brs. N. 72° W., 202 lks.
 dist., marked T 9 N R 13 E S 22 B T.
 No other trees available.
 Land, gently rolling.
 Soil, gravelly loam; 2nd and 3rd rate.
 Timber, oak, juniper, pine; undergrowth, oak.
 Heavily timbered land, 20.00 chs.
 August 11; At noon, I set off $15^{\circ} 28'$ N. on the decl.
 arc, and observe the sun on the meridian; the resulting
 lat. is $34^{\circ} 06'$ N.

 S. $89^{\circ} 58'$ E. on a random line bet. secs. 23 and 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect the N. and S. line at a point 3 lks. N. of
 cor. of secs. 23, 24, 25 and 26.
 Thence I run,
 N. $89^{\circ} 57\frac{1}{2}'$ W., on a true line bet. secs. 23 and 26.
 Over rolling land.
 8.00 Dry wash, 15 lks. wide, course SE.
 39.97 Deposit a marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec.
 cor., dig pits, 18 X 18 X 12 ins., E. and W. of cor.,
 4 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, over deposit.
 In E. pit drive an oak stake, 36 X 3 X 3 ins., 18
 ins. in the ground, marked
 $\frac{1}{4}$ S on N. face

Subdivision of Township 9 North, Range 13 East.

chains
67.30 Walnut Creek, dry, 30 lks. wide, course NNW.
79.94 The cor. of secs. 22, 23, 26 and 27.
Land, rolling.
Soil, gravelly loam; 2nd and 3rd rate.
No timber.

N. 0° 1' W., bet. secs. 22 and 23.
Descending over gently rolling land.
Dry wash, 30 lks. wide, course NE.
10.80 Same wash, 30 lks. wide, course NW.
13.40 Same wash, 30 lks. wide, course NE.
15.20 Walnut Creek, running water, 30 lks. wide, course NW.
21.50 Old road, from Pleasant Valley to Spring Creek, brs. NW & SE
22.40 Enter heavy timber; ascend.
23.00 Ridge, extends NW. and SE., descend.
39.00 Set a quartz stone, 18 X 8 X 8 ins., 12 ins. in the
40.00 ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from
which
A juniper, 24 ins. diam., brs. N. $26\frac{3}{4}^\circ$ E., 23 lks
dist., marked $\frac{1}{4}$ S 23 B T.
A juniper, 24 ins. diam., brs. S. 66° W., 80
lks. dist., marked $\frac{1}{4}$ S 22 B T.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
of cor. Pits impracticable.
44.30 Dry wash, 30 lks. wide, course W.
45.00 Ruins of old house, brs. E. 100 lks. dist.
48.00 Ascend.
54.00 Top of ridge, extends ENE and WSW.
57.00 Descend.
69.00 Mail trail from Young to Payson, brs. E. and W.
70.40 Dry wash, 40 lks. wide, course W., leave heavy timber.
71.40 Ascend.
80.00 Set a porphyry stone, 21 X 8 X 8 ins., 16 ins. in the
ground, for cor. of secs. 14, 15, 22 and 23, marked with
3 notches on the S. and 2 notches on the E. edge, and
raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
cor. Pits impracticable.
Land, mountainous.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, oak, juniper, pine and pinon; undergrowth,
oak and manzanita.
Mountainous land, or land heavily timbered, exception-
ally difficult to survey, 80.00 chs.
August 11, 1907.

August 12; At 7h a.m., l.m.t. I set off $15^\circ 15'$ N. on
the decl. arc, and $34^\circ 07'$ N. on the lat. arc, and
determine a true meridian with the solar at the
cor. of secs. 14, 15, 22 and 23.
Thence I run,
S. $89^\circ 57'$ E. on a random line bet. secs. 14 and 23.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect the N. and S. line at a point 12 lks. S. of
cor. of secs. 13, 14, 23 and 24.
Thence I run,
S. $89^\circ 58'$ W., on a true line bet. secs. 14 and 23.
Over gently rolling land, through heavy timber and
dense manzanita brush.
10.70 Dry wash, 25 lks. wide, course SW., leave manzanita
brush.

Subdivision of Township 9 North, Range 13 East.

chains	
17.00	Enter dense brush, extends NE. and SW.
37.00	Descend steep slope.
39.98	Set a quartzite stone, 18 X 10 X 8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor, marked $\frac{1}{4}$ on N. face, from which
	A pinon, 11 ins. diam., brs. N. 44 $\frac{1}{2}$ ° E., 51 lks. dist., marked $\frac{1}{4}$ S 14 B T.
	A juniper, 24 ins. diam., brs. S. 9° W., 125 lks. dist., marked $\frac{1}{4}$ S 23 B T.
47.00	Leave heavy timber; extends NE. and SW Dry wash, 25 lks. wide, course S., thence SW. ascend. leave dense brush.
56.70	Top of ascend, extends N. and S., thence along S. slope of ridge, extends E. and W.
73.45	Drywash, 10 lks. wide, course S.
79.96	The cor. of secs. 14, 15, 22 and 23. Land, mountainous. Soil, gravelly loam, stony; 2nd, 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak, pine, manzanita and tasaja cactus. Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 79.96 chs.

	N. 0° 1' W., bet. secs. 14 and 15.
14.00	Over mountainous land, ascending.
20.00	Top of ridge, extends E. and W., enter heavy timber. Descend; extends NW. and SE, through dense brush.
40.00	Point for $\frac{1}{4}$ sec. cor. falls on quartz stone in place, 30 X 24 X 6 ins., above ground, which I mark with a cross for exact $\frac{1}{4}$ sec. cor. point, and $\frac{1}{4}$ W. of cross, from which
	A juniper, 8 ins. diam., brs. S. 58° E., 75 lks. dist., marked $\frac{1}{4}$ S 14 B T.
	A juniper, 18 ins. diam., brs. N. 74° W., 138 lks. dist., marked $\frac{1}{4}$ S 15 B T.
41.10	Dry wash, 15 lks. wide, course SE., thence over gradually rising ground.
47.30	Dry wash, 30 lks. wide, course SE., leave dense brush.
67.60	Same wash, 30 lks. wide, course SSW.
79.60	Set a sandstone, 18 X 8 X 6 ins., 12 ins. in the ground, for witness cor. to cor. of secs. 10, 11, 14 and 15, marked with 4 notches on the S. and 2 notches on the E. edge, with W C on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	A juniper, 40 ins. diam., brs. S. 24 $\frac{1}{2}$ ° W., 50 lks. dist., marked T 9 N R 13 E S 15 B T W C.
	An oak, 24 ins. diam. brs. N. 51° W., 93 lks. dist., marked T 9 N R 13 E S 10 W C B T
80.00	Point for cor. of secs. 10, 11, 14 and 15 falls on bank of same wash. Land, mountainous and gently rolling, Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper and pine; undergrowth, oak and manzanita. Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs. August 12; At noon, I set off 15° 10' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 03' N.

Subdivision of Tp. 9 North, Range 13 East.

chains	N. 89° 58' E. on a random line bet. secs. 11 and 14., from cor. point.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect the N and S. line at a point 12lks. N. of cor. of secs. 11, 12, 13 and 14.
	Thence I run,
	N. 89° 57' W., on a true line bet. secs. 11 and 14.
	Over mountainous land, descending.
1.20	Dry wash, 15 lks. wide, course N., ascend.
12.00	Enter heavy timber, extends N. and S.
23.00	Ridge, extends N. and S., descend.
33.30	Gulch, 20 lks. wide, course NNE., ascend.
40.02	Set a sandstone, 18 X 10 X 5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which
	An oak, 12 ins. diam., brs. N. 61° E., 62 lks. dist., marked $\frac{1}{4}$ S 11 B T.
	An oak, 7 ins. diam., brs. S. 39° E., 74 lks. dist., marked $\frac{1}{4}$ S 14 B T.
47.00	Top of rocky ridge, extends N. and S., leave heavy timber
49.70	Descend.
79.80	Dry wash, 20 lks. wide, course SSE., ascend.
80.04	The cor. point for secs. 10, 11, 14 and 15.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, oak, juniper, pine and pinon; undergrowth, oak and manzanita.
	Mountainous land, heavily timbered, exceptionally difficult to survey, 80.04 chs.

	N. 0° 1' W., bet. secs. 10 and 11. from cor. point.
	Over gradually rising ground, through heavy timber.
.40	Dry wash, 20 lks. wide, course SSE.
10.20	Dry wash, 15 lks. wide, course SW.; ascend steep slope.
26.00	Leave heavy timber, extends NW. and SE.
40.00	Set a sandstone, 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which
	A juniper, 9 ins. diam., brs. N. 71° W., 164 lks. dist., marked $\frac{1}{4}$ S 10 B T
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
60.00	Top of W. slope of ridge.
68.70	Descend from slope.
80.00	Set a quartz stone, 18 X 8 X 5 ins., 12 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked with 5 notches on the S. and 2 notches on the E edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	An oak, 12 ins. diam., brs. S. 56° E., 111 lks. dist., marked T 9 N R 13 E S 11 B T.
	An oak, 12 ins. diam., brs. S. 36° W., 247 lks. dist., marked T 9 N R 13 E S 10 B T.
	No other trees available.
	Land, mountainous and gently rolling.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber oak and juniper; undergrowth, oak.
	Mountainous land, or land heavily timbered, exceptionally difficult to survey, 80.00 chs.
	August 12, 1907.

Subdivision of Twp. 9 North Range 13 East

Chains August 13, 1907. At 7 a.m., 1 m.t., I set off 14° 57' N on the decl. arc, and 34° 09' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 2, 3, 10 and 11.

Thence I run, S. 89° 57' E. on a random line bet. secs. 2 and 11. Set temp. sec. cor.

40.00 Intersect the N. and S. line at a point 14 lks. S. of cor. of secs. 1, 2, 11 and 12.

80.06 Thence I run S. 89° 57' W. on a true line bet. secs. 2 and 11. Over mountainous land, descending.

21.00 Gulch, 30 lks. wide, course N., enter heavy timber; ascend.

34.00 Ridge, extends N. and S.; descend.

40.03 Set a porphyry stone, 18 X 8 X 8 ins., 12 ins. in the ground, for sec. cor., marked in N. face, from which

An oak, 12 ins. diam., brs. N. 47° E., 36 lks. dist., marked S 2 B T.

An oak, 8 ins. diam., brs. S. 25° W., 31 lks. dist., marked S 10 B T.

53.60 Gulch, 20 lks. wide, course NNE.; ascend.

71.50 Top of N. slope of ridge; leave heavy timber, descend.

80.06 The cor. point of secs. 2, 3, 10 and 11. Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, oak, juniper and pine; undergrowth, manzanita and oak. Mountainous land, heavily timbered; exceptionally difficult to survey, 80.06 chs.

August 13: At noon, I set off 14° 52' N. on the decl. arc, and observe the sun on the meridian; the resulting lat is 34° 09' N.

N. 0° 1' W. on a random line bet. secs. 2 and 3. Set temp. sec. cor.

40.00 Intersect the N. Bdy. of Twp. at a point 5 lks. E. of cor. of secs. 2, 3, 34 and 35.

80.00 Thence I run, S. 0° 3' E. on a true line bet. secs. 2 and 3. Over mountainous land, ascending through oak and pine timber and dense undergrowth.

4.30 Dry wash, 15 lks. wide, course NW.

16.00 Ascend steeper slope over conglomerate rocks.

27.00 Top of ridge, extends N. and S, thence along top of same.

40.00 Point for sec. cor. falls on granite rock in place, 40 X 20 X 4 ft. above ground, which I mark with a cross for exact sec. cor. point, with W. of cross, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.

A juniper, 14 ins. diam., brs. S. 79° E., 62 lks. dist., marked S 2 B T.

A pine, 30 ins. diam., brs. N. 62° W., 37 lks. dist., marked S 3 B T.

46.00 Begin descent.

58.00 Leave dense brush, extends E. and W.

69.00 Gulch, 20 lks. wide, course W., ascend.

80.00 The cor. point for secs. 2, 3, 10 and 11. Land, mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita and mesquite. Mountainous land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

August 13, 1907.

Subdivision of Twp. 9 North, Range 13 East

chains	
	August 14, 1907. At 7h a.m., l.m.t., I set off $14^{\circ} 38'$ N. on the decl. arc and $34^{\circ} 04'$ N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 33 and 34 on the S. Bdy. of Twp.
	Thence I run, N. $0^{\circ} 2' W.$, bet. secs. 33 and 34.
16.70	Over mountainous land, descending through heavy timber and undergrowth.
	Dry wash, 350 feet below sec. cor., 20 lks. wide, course NE., thence descend gradually.
40.00	Set a granite stone, 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face, from which A juniper, 10 ins. diam., brs. S. $31\frac{1}{2}^{\circ} E.$, 22 lks. dist., marked $\frac{1}{2}$ S 34 B T. A pine, 12 ins. diam., brs. S. $88^{\circ} W.$, 60 lks. dist., marked $\frac{1}{2}$ S 33 B T.
42.25	Trail from Spring Creek to Young, brs. E. and W.
43.40	Little Walnut Creek, 40 lks. wide, course W., permanent running water at this point; ascend gradually.
60.00	Leave heavy timber; begin steep ascent over conglomerate rocks.
68.00	Top rim rock, 400 ft. above creek, extends E. and W.
	Ascend along W. slope of Potato Butte.
80.00	Set a sandstone, 21 X 8 X 6 ins., 16 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked with 1 notch on the S. and 3 notches on the E. edge, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Pits impracticable. A pine, 9 ins. diam., brs. S. $48^{\circ} E.$, 127 lks. dist., marked T 9 N R 13 E S 34 B T. No other trees available. Land, mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita, tesotilla, bear grass and mesquite. Mountainous land, heavily timbered or covered with dense undergrowth; exceptionally difficult to survey, 80 chs.
	----- East on a random line bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.06	Intersect the N and S. line at the cor. of secs. 26, 27, 34 and 35.
	Thence I run, West, on a true line bet. secs. 27 and 34.
	Over level land, through heavy timber.
18.70	Dry wash, 30 lks. wide, course NE. Enter dense oak brush and gently rolling land.
22.20	Walnut creek, 30 lks. wide, course NE., leave heavy timber and dense brush; ascend over rocks.
40.00	Point for $\frac{1}{2}$ sec. cor. falls on granite rock in place, 20 X 20 X 6 ft. above ground, which I mark with a cross for exact $\frac{1}{2}$ sec. cor. point, with $\frac{1}{2}$ N. of cross, from which An oak, 20 ins. diam., brs. N. $44\frac{1}{2}^{\circ} E.$, 83 lks. dist., marked $\frac{1}{2}$ S 27 B T; An oak, 7 ins. diam., brs. S. $6^{\circ} W.$, 34 lks. dist., marked $\frac{1}{2}$ S 34 B T.
	Raise a mound of stone, 2 ft. base, 12 ft. high, N. of cor. Pits impracticable.
47.00	Top of rim rock, extends N. and S., thence along S. slope of Potato Butte.
54.00	Leave timber, extends N. and S.
66.00	Top of butte, brs. N. 12 chs. dist; descend.
80.06	The cor. point of secs. 27, 28, 33 and 34. Land, mountainous, level or gently rolling. Soil, gravelly loam, stony and rocky; 2nd, 3rd and 4th rate Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita, mesquite and cacti.

Subdivision of Township 9 North Range 13 East

chains

Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.06 chs.

August 14: At noon, I set off 14° 34' N. on the decl. arc, and observe the sun on the meridian, the resulting lat. is 34° 05' N.

N. 0° 2' W., bet. secs. 27 and 28.

Over mountainous land, ascending through scattering juniper and timber.

9.00 Top of W. slope of Potato Butte; enter dense oak brush. Leave brush; descend.

18.00 Foot of descend, extends NE. and SW; enter gently rolling land, sloping E.

37.00 Set a granite-porphry stone, 21 X 10 X 8 ins., 15 ins. in the ground, for 1/2 sec. cor., marked 1/2 on W. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

A juniper, 24 ins. diam., brs. N. 30 1/2° E., 356 lks. dist., marked 1/2 S 27 B T.

A juniper, 9 ins. diam., brs. S. 45 1/2° W., 220 lks. dist., marked 1/2 S 28 B T.

64.70 Dry wash, 20 lks. wide, course NE.

80.00 Set a granite-porphry stone, 24 X 8 X 8 ins., 18 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on the S. and 3 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

A juniper, 24 ins. diam., brs. N. 40° E., 127 lks. dist., marked T 9 N R 13 E S 22 B T.

A juniper, 24 ins. diam., brs. S 26 1/2° E. 65 lks. dist., marked T 9 N R 13 E S 27 B T.

A juniper, 28 ins. diam., brs. S. 45 1/2° W. 66 lks. dist., marked T 9 N R 13 E S 28 B T.

No other tree within limits.

Land, gently rolling and mountainous.

Soil, gravelly and stony; 3rd and 4th rate.

Timber, juniper; undergrowth, oak.

Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80 chs.

East, on a random line bet. secs. 22 and 27.

40.00 Set temp. 1/2 sec. cor.

80.02 Intersect the N. and S. line at a point 10 lks. S. of cor. of secs. 22, 23, 26 and 27.

Thence I run,

S. 89° 56' W., on a true line bet. secs. 22 and 27.

Over gently rolling land.

9.35 Dry wash, 20 lks. wide, course NE., enter oak timber; ascend.

29.00 Top of ascent; extends NE. and SW., enter heavy timber.

40.01 Set a sandstone, 21 X 8 X 8 ins., 15 ins. in the ground, for 1/2 sec. cor., marked 1/2 on N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.

A juniper, 36 ins. diam., brs. S. 82° E., 107 lks. dist., marked 1/2 S 27 B T.

A juniper, 36 ins. diam., brs. N. 67° W., 161 lks. dist., marked 1/2 S 22 B T.

61.00 Descend; extends NE. and SW.

64.70 Dry wash, 20 lks. wide, course NE., leave heavy timber; ascend.

80.02 The cor. point of secs. 21, 22, 27 and 28.

Land, gently rolling and mountainous.

Soil, gravelly loam and stony; 2nd, 3rd and 4th rate.

Timber, oak, juniper and pine; undergrowth, oak.

Mountainous land, or land heavily timbered, exceptionally difficult to survey, 54.30 chs.

August 14, 1907.

chains	<p>August 15, 1907: At 7h. a.m., l.m.t., I set off 14° 20' E. on the decl. arc, and 34° 05' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 21, 22, 27 and 28.</p> <p>Thence I run, N. 0° 2' W., bet. secs. 21 and 22.</p> <p>Over gently rolling land, sloping E., through scattering juniper timber.</p> <p>40.00 Set a conglomerate stone, 21 X 10 X 10 ins., 15 ins. in the ground, for a sec. cor., marked $\frac{1}{2}$ on W. face, from which</p> <p style="padding-left: 2em;">A juniper, 28 ins. diam., brs. N. 47° E., 240 lks. dist., marked $\frac{1}{2}$ S 22 B T.</p> <p style="padding-left: 2em;">A juniper, 30 ins. diam., brs. S. 18° W., 271 lks. dist., marked $\frac{1}{2}$ S 21 B T.</p> <p>48.20 Dry wash, 15 lks. wide, course E.</p> <p>50.00 Enter heavy timber, extends NE. and SW.</p> <p>67.00 Begin steep descent through dense brush, extends NE. and SW.</p> <p>73.00 Leave heavy timber, extends NW. and SE.</p> <p>80.00 Set a quartzite stone, 18 X 8 X 8 ins., 12 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked 9 N on NE., 13 E on SE. face, with 3 notches on the S. and E. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.</p> <p style="padding-left: 2em;">An oak, 9 ins. diam., brs. S. 71½° E., 37 lks. dist., marked T 9 N R 13 E S 22 B T.</p> <p style="padding-left: 2em;">An oak, 18 ins. diam., brs. N. 28½° W., 25 lks. dist., marked T 9 N R 13 E S 16 B T.</p> <p>No other trees available.</p> <p>Land, gently rolling and mountainous.</p> <p>Soil, gravelly, stony and rocky; 3rd and 4th rate.</p> <p>Timber, oak and juniper; undergrowth, oak and manzanita.</p> <p>Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.</p> <p>-----</p> <p>N. 89° 56' E. on a random line bet. secs. 15 and 22.</p> <p>40.00 Set temp. $\frac{1}{2}$ sec. cor.</p> <p>80.00 Intersect the N. and S. line at a point 10 lks. N. of cor. of secs. 14, 15, 22 and 23.</p> <p>Thence I run, West, on a true line bet. secs. 15 and 22.</p> <p>Along the S. slope of ridge.</p> <p>12.00 Enter heavy timber, extends N. and S.</p> <p>14.50 Begin steep descent over quartz ledges.</p> <p>23.40 Old road from Pleasant Valley to Spring Creek, brs. NW. and SE.</p> <p>24.00 Walnut Creek, 40 lks. wide, course NW.; running water. Ascend gradually along N. slope of mesa.</p> <p>26 20 Main trail from Young to Payson, brs. NW. and SE.</p> <p>36.26 Wire fence, brs. N. and S.</p> <p>40.00 Set a sandstone, 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, from which</p> <p style="padding-left: 2em;">A pinon, 9 ins. diam., brs. S. 17½° W., 206 lks. dist., marked $\frac{1}{2}$ S 22 B T.</p> <p style="padding-left: 2em;">An oak, 16 ins. diam., brs. N. 15½° W., 43 lks. dist., marked $\frac{1}{2}$ S 15 B T.</p> <p>51.00 Dry wash, 20 lks. wide, course NE., enter dense oak brush; ascend steeper.</p> <p>65.88 Wire fence, brs. N. and S., leave heavy timber, extends NE. and SW.</p> <p>74.00 Top of spur, extends N., from mesa.</p> <p>77.00 Descend steep slope.</p> <p>80.00 The cor. point for secs. 15, 16, 21 and 22.</p> <p>Land, mountainous.</p> <p>Soil, gravelly, stony and rocky; 3rd and 4th rate.</p> <p>Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita.</p> <p>Mountainous land, heavily timbered, covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.</p>
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Subdivision of Township 9 North, Range 13 East.

chains	<p>August 15: At noon, I set off 14° 15' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 34° 07' N.</p> <p>-----</p> <p>N. 0° 2' W. bet. secs. 15 and 16. Over mountainous land, descending through scattering oak timber and dense undergrowth.</p> <p>13.35 Walnut Creek, 40 lks. running water; course W.; enter basin, leave timber and brush.</p> <p>15.00 Log house, vacant, hrs. E. 8.00 chs. dist., being the old Gruwell place.</p> <p>17.90 Old road from Pleasant Valley to Spring Creek and mail trail from Young to Bayson, hrs. E. and W.</p> <p>19.00 Log corral, hrs. W. 3.00 chs. dist.</p> <p>28.00 Leave bottom, hrs. E. and W., enter dense oak brush; ascend.</p> <p>35.60 Top of ridge, extends E. and W., descend.</p> <p>40.00 Point for 1/2 sec. cor. falls on granite-porphry stone, 5 X 4 X 2 ft. above ground, which I mark with a cross for exact 1/2 sec. cor. point, with 1/4 W. of cross, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable. An oak, 7 ins. diam., hrs. N. 17° W., 124 lks. dist., marked S 10 B T. No other tree available.</p> <p>44.70 Dry wash, 30 lks. wide, course SW., ascend.</p> <p>64.00 Top of ridge, 400 feet above wash, extends E. and W.</p> <p>67.00 Descend.</p> <p>78.00 Dry wash, 15 lks. wide, course SE., enter gently rolling land.</p> <p>80.00 Set a sandstone, 21 X 8 X 8 ins., 16 ins. in the ground, for cor. of secs. 9, 10, 15, 16, marked with 4 notches on the S. and 3 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable. A juniper, 9 ins. diam., hrs. S. 74° E., 81 lks. dist., marked T 9 W R 13 E S 15 B T. No other trees available. Land, mountainous and level. Soil, gravelly loam, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak and manzanita. Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 64.65 chs.</p> <p>-----</p> <p>East, on a random line bet. secs. 10 and 15.</p> <p>40.00 Set a temp. 1/2 sec. cor.</p> <p>80.05 Intersect the N. and S. line at a point 7 lks. S. of cor. of secs. 10, 11, 14 and 15. Thence I run, S. 89° 57' W., on a true line bet. secs. 10 and 15, from Cor. point. Over mountainous land, ascending through scattering timber.</p> <p>14.00 Ridge, extends SSE., enter dense oak brush; descend.</p> <p>20.25 Dry wash, 15 lks. wide, course S., ascend.</p> <p>26.00 Ridge, extends N. and S., descend.</p> <p>33.00 Dry wash, 20 lks. wide, course S.</p> <p>40.025 Set a quartzite stone, 18 X 6 X 6 ins., 12 ins. in the ground, for 1/2 sec. cor., marked 1/2 on N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.</p> <p>53.75 Dry wash, 20 lks. wide, course S., ascend.</p> <p>57.80 Spur, extends SSE., descend.</p> <p>70.70 Dry wash, 15 lks. wide, course SE., enter gently rolling land.</p>
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Subdivision of Township 9 North, Range 13 East.

chains
80.05

The cor. point of secs. 9, 10, 15 and 16.
Land, mountainous, and gently rolling.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak and juniper; undergrowth, oak, manzanita, tesotilla, mesquite, and nopal cactus.
Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 80.05 chs.
August 15, 1907.

Aug. 16, 1907. At 7h. a.m., I M. S. I. set off 34° 03' Non lat. arc, 14° 01' N. on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 9, 10, 15 and 16.

Thence I run, N. 0° 2' W., bet. secs. 9 and 10. Ascending over gently rolling land, through dense oak and manzanita brush.

9.00
16.00
19.00
40.00

Begin steep ascent of S. slope of ridge.
Ridge, extends NE. and SW., enter oak timber.
Descend.
Set a quartz-porphry stone, 21 X 8 X 5 ins., 16 ins. in the ground, for a sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
A juniper, 10 ins. diam., brs. N. 65° W., 58 lks. dist., marked $\frac{1}{2}$ S 9 B T.
An oak, 10 ins. diam., brs. S. 74 $\frac{1}{2}$ ° E., 59 lks. dist., marked $\frac{1}{2}$ S 10 B T.

45.00
66.50
76.00
80.00

Dry wash, 20 lks. wide, course NW.
Dry wash, 20 lks. wide, course WNW.
Dry wash, 10 lks. wide, course NE., ascend.
Set a quartzite stone, 18 X 8 X 8 ins., 12 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on the S. and 3 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
A juniper, 18 ins. diam., brs. S. 72 $\frac{1}{2}$ ° E., 62 lks. dist., marked T 9 N R 13 E S 10 B T.
No other trees available.

Land, mountainous.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, oak and juniper; undergrowth, oak and manzanita.
Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

40.00
80.04

N. 89° 57' E., on a random line bet. secs. 3 and 10;
Set temp. $\frac{1}{2}$ sec. cor.
Intersect the N. and S. line at a point 3 lks. W. of cor. of secs. 2, 3, 10 and 11.

7.00
21.30
28.60
38.00
40.02

Thence I run, S. 89° 58' W., on a true line, bet. secs. 3 and 10. Over mountainous land, descending through oak timber. Enter heavy timber, extends N. and S.
Dry wash, 30 lks. wide, course NW., ascend.
Dry wash, 20 lks. wide, course NE.
Top of ridge, extends N. and S. Descend.
Set a schist stone, 18 X 8 X 5 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, from which
A juniper, 14 ins. diam., brs. S. 42 $\frac{1}{2}$ ° E., 12 lks. dist., marked $\frac{1}{2}$ S 10 B T.
An oak, 18 ins. diam., brs. N. 59 $\frac{1}{2}$ ° W., 25 lks. dist., marked $\frac{1}{2}$ S 3 B T.

50.00
56.00
71.00
80.04

Butte, brs. S. 30 chs. dist.
Enter dense oak brush, extends NNE. and SSW.,
Dry wash, 15 lks. wide, course N., leave heavy timber, ascend.
The cor. point of secs. 3, 4, 9 and 10.
Land, mountainous.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, juniper and pine; undergrowth, oak, manzanita, and mesquire.

Subdivision of Township 9 North, Range 13 East.

chains

Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.04 chs.
August 16, At noon, I set off 13° 56' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 00' N.

N. 0° 2' W. on a random line bet. secs. 3 and 4.
40.00 Set a temp. $\frac{1}{2}$ sec. cor.
30.10 Intersect the N. bdy. of tp. at a point 5 lks. W. of cor. of secs. 3, 4, 33 and 34.
Thence I run,
South, on a true line bet. secs. 3 and 4.
Over mountainous land, ascending through heavy timber and dense brush.
17.00 Ridge, extends NE. and SW., thence along E. slope of same.
37.00 Begin descend; leave heavy timber.
40.10 Set a sandstone, 18 X 8 X 5 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face, from which
An oak, 24 ins. diam., brs. S. 83 $\frac{1}{2}$ ° E., 31 lks. dist., marked $\frac{1}{2}$ S 3 B T.
A juniper, 30 ins. diam., brs. S. 19° W., 18 lks. dist., marked $\frac{1}{2}$ S 4 B T.
60.70 A gulch, 30 lks. wide, course NE., ascend.
76.00 Ridge, extends NE. and SW., descend.
80.10 The cor. point of secs. 3, 4, 9 and 10.
Land, mountainous.
Soil, gravelly, stony and rocky; 4th rate.
Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita and mesquite.
Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.10 chs.

August 16, 1907.

August 17, 1907. At 7h. a.m., l.m.t., I set off 13° 42' N. on the decl. arc, and 34° 04' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 32 and 33 on the S. bdy. of the Tp.
Thence I run,
N. 0° 2' W. on a true line bet. secs. 32 and 33.
Over gently rolling land.
5 25 Dry wash, 10 lks. wide, course NE.
36.15 Dry wash, 15 lks. wide, course NE.
40.00 Set a sandstone, 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
A juniper, 20 ins. diam., brs. N. 30 $\frac{1}{2}$ ° E., 330 lks. dist., marked $\frac{1}{2}$ S 33 B T.
No other tree available.
44.00 Enter juniper timber, extends NE. and SW.
57.00 Enter heavy timber and dense brush; extends E. and W., descend steep slope.
67.70 Little Walnut Creek (dry) 40 lks. wide, course W., leave brush; ascend steep slope.
78.00 Top of ridge, extends NE. and SW.
80.00 Set a quartz stone, 21 X 12 X 10 ins., 16 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked with 1 notch on the S. and 4 notches on the E. edge, from which

Subdivision of Township 9 North, Range 13 East.

chains

An oak, 8 ins. diam., brs. N. 44 $\frac{1}{2}$ ° E., 76 lks. dist., marked T 9 N R 13 E S 28 B T.
 A juniper, 24 ins. diam., brs. S 43 $\frac{1}{2}$ ° E., 197 lks. dist., marked T 9 N R 13 E S 33 B T.
 An oak, 17 ins. diam., brs. S. 51 $\frac{1}{2}$ ° W., 166 lks. dist., marked T 9 N R 13 E S 32 B T.
 An oak, 9 ins. diam., brs. N 29 $\frac{1}{2}$ ° W., 92 lks. dist., marked T 9 N R 13 E S 29 B T.

Land, gently rolling and mountainous.
 Soil, gravelly and stony; 2nd, 3rd and 4th rate.
 Timber, oak, juniper and pine; undergrowth, manzanita, oak, mesquite and nopal cacti.
 Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

 East, on a random line bet. secs. 28 and 33.

40.00

Set temp. 1 sec. cor.

79.94

Intersect the N. and S. line at a point 8 lks. N. of cor. of secs. 27, 28, 33 and 34.

Thence I run,

N. 89° 57' W., on a true line bet. secs. 28 and 33.

Over mountainous land, descending through scattering juniper timber.

24.00

Begin steep descent over rocks, through oak timber and brush.

35.00

Dry wash, 20 lks. wide, course SW.

39.97

Set a granite-porphry stone, 21 X 8 X 8 ins., 16 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, from which

An oak, 8 ins. diam., brs. S. 82 $\frac{1}{2}$ ° E., 85 lks. dist. marked $\frac{1}{2}$ S 33 B T.

A juniper, 36 ins. diam., brs. N. 13 $\frac{1}{2}$ ° W., 89 lks. marked $\frac{1}{2}$ S 28 B T.

41.00

Leave timber and brush, extends NE. and SW.

55.40

Dry wash, 10 lks. wide, course S., ascend.

56.00

Reenter timber and dense oak brush, extends NW. and SE.

70.00

Leave dense brush, extends N. and S.

79.94.

The cor. point of secs. 28, 29, 32 and 33.

Land, mountainous.

Soil, gravelly, stony and rocky; 3rd and 4th rate.

Timber, oak and juniper; undergrowth, oak, manzanita, and mesquite.

Mountainous land, exceptionally difficult to survey, 79.94 chs.

August 17: At noon, I set off 13° 38' N. on the decl. arc, and observe the sun on the meridian, the resulting lat. is 34° 05' N.

 N. 0° 2' W., bet. secs. 28 and 29.

Along the NE. end of ridge, through oak timber.

6.00

Descend, course NE.

15.00

Leave timber, extends NE and SW., enter dense oak brush

39.40

Dry wash, 20 lks. wide, course W., enter gently rolling land.

40.00

Set a granite stone, 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

80.00

Set a quartzite stone, 18 X 14 X 8 ins., 12 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked with 2 notches on the S and 4 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, gently rolling and mountainous.

Soil, gravelly and stony; 3rd and 4th rate.

Timber, oak and juniper; undergrowth, oak and nopal cactus.

Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

Subdivision of Township 9 North Range 13 East

Chains	
	S. 89° 57' E. on a random line bet. secs. 21 and 22.
40.00	Set temp. sec. cor.
50.07	Intersect the N. and S. line at a point 11 lks. N. of cor. of secs. 21, 22, 27 and 28.
	Thence I run,
	S. 89° 58' W. on a true line bet. secs. 21 and 22.
24.00	Over mountainous land, ascending through juniper timber. Enter heavy timber, extends N. and S., ascend steeper slope.
38.00	Sharp, rocky ridge, extends N. and S., descend steep slope.
40.035	Set a conglomerate stone, 24 X 8 X 8 ins., 18 ins. in the ground for sec. cor., marked on E. face, with
	a juniper, 8 ins. diam., brs. N. 15° E., 57 lks. dist., marked S 21 B T.
	An oak, 7 ins. diam., brs. N. 15° E., 96 lks. dist., marked S 21 B T.
	Leave heavy timber, extends NE. and SW.
55.00	Enter dense oak brush, extends NE. and SW.
72.00	Leave brush, extends NE. and SW.; foot of steep descent.
80.07	The cor. point of secs. 20, 21, 22 and 23.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, oak, juniper, and pine; undergrowth, oak and manzanita.
	Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 80.07 chs.

	N. 0° 2' W., bet. secs. 20 and 21.
	Over gently rolling land.
28.60	Walnut Creek, 40 lks. wide, course SW.
39.70	Old road from Pleasant Valley to Spring Creel, brs. NE. and SW.
40.00	Set a diorite stone, 21 X 8 X 8 ins., 18 ins. in the ground, for sec. cor., marked on N. face, dig pits, 18 X 18 X 18 ins., N. and S. of stone, 3 1/2 ft. dist., and raise a mound of earth, 3 ft. base, 1 1/2 ft. high, W. of cor.
55.70	Mail trail from Young to Layson, brs. E. and W., enter dense tesote undergrowth.
60.00	Set a granite-porphry stone, 24 X 10 X 8 ins., 18 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked with 3 notches on the S. and 4 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.
	Land, gently rolling and level.
	Soil, sandy and gravelly; 2nd and 3rd rate.
	No timber; undergrowth, tesotilla and oak.
	Land covered with dense undergrowth, 24.30 chs.
	August 17, 1907.

	August 18, 1907; At 7h a.m., l.m.t., I set off 13° 23' N. on the decl. arc and 54° 07' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 16, 17, 20 and 21.
	Thence I run,
	N. 89° 58' E. on a random line bet. secs. 16 and 21.
40.00	Set temp. sec. cor.
50.06	Intersect the N. and S. line at a point 11 lks. N. of cor. of secs. 16, 17, 20 and 21.
	Thence I run,
	N. 89° 57' W., on a true line bet. secs. 16 and 21.
	Over mountainous land, descending through oak timber and dense undergrowth.
17.00	Dry wash, 15 lks. wide, course NE.
26.00	Leave oak timber, extends N. and S.
40.03	Set a granite porphry stone, 21 X 8 X 8 ins., 16 ins. in the ground, for sec. cor., marked on N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
	A juniper, 8 ins. diam., brs. N. 15° E., 96 lks. dist., marked S 16 B T.

Subdivision of Township 9 N., Range 13 East.

chains	No other tree available.
44.00	Dry wash, 20 lks. wide, course N.
46.80	Walnut Creek, 40 lks. wide, running water, course SW. Leave timber and dense brush, enter basin, course NE.
49.35	Old road from Pleasant Valley to Spring Creek, main trail from Young to Payson, brs. NE. and SW.
65.25	Dry wash, 15 lks. wide, course S.
80.00	The cor. point of secs. 16, 17, 20 and 21. Land, mountainous and gently rolling. Soil, sandy loam, gravelly, stony and rocky; 2nd, 3rd and 4th rate. Timber, oak and juniper; undergrowth, oak, manzanita, tasotilla. Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 46.80 chs.

	N. 0° 2' W., bet secs. 16 and 17.
11.80	Over gradually rising ground, through dense brush. Quartz spike, brs. E. and W.
28.85	Dry wash, 20 lks. wide, course SW., begin steep ascent; leave dense brush.
41.00	Set a quartz stone, 21 X 8 X 6 ins., 16 ins. in the ground, for sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, 17 ft. high, W. of cor. Pits impracticable.
50.00	Top of rim rock, brs. E. and W.; enter scattering juniper timber; ascend.
63.00	Ridge, 800 ft. above cor. of secs. 16, 17, 20 and 21, extends E. and W., enter heavy timber.
67.00	Descend.
80.00	Set a sandstone, 18 X 6 X 6 ins., 12 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on the S. and E. edges, from which A juniper, 30 ins. diam., brs. N. 61° E., 162 lks dist., marked T 9 N R 13 E S 9 B T. A juniper, 16 ins. diam., brs. S. 60° E., 68 lks. dist., marked T 9 N R 13 E S 16 B T. A juniper, 30 ins. diam., brs. S. 77° W., 54 lks. dist., marked T 9 N R 13 E S 17 B T. A juniper, 24 ins. diam., brs. N. 34° W., 40 lks. dist., marked T 9 N R 13 E S 8 B T.
	Land, mountainous and gently rolling. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak and juniper; undergrowth, oak and manzanita. Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	August 18, 1907. At noon, I set off 13° 18' N. on the decl. sec, and observe the sun on the meridian, the resulting lat. is. 34° 03' N.

40.00	S. 89° 57' E., on a random line bet. sec. 9 and 16. Set temp. $\frac{1}{2}$ sec. cor.
80.10	Intersect the N. and S. line at a point 15 lks. S. of cor. of secs. 9, 10, 15 and 16. Thence I run; S. 89° 56' W., on a true line bet. secs. 9 and 16, Ascending through dense manzanita and dense brush. Saddle, Extends N. and S., descend.
2.70	Gulch, 20 lks. wide, course SW.; ascend.
19.30	Spur, extends S., descend.
29.40	Rocky gulch, 40 lks. wide, course S.; ascend.
34.60	Trail from Paulsalls ranch to Walnut Creek, brs. N. and S.
38.70	

Subdivision of Township 9 North, Range 13 East.

chains

40.05 Set a quartz stone, 18 X 8 X 8 ins., in mound of stone, for sec. cor., marked on E. face, from which
 A pine, 14 ins. diam., brs. S. 55 $\frac{1}{2}$ ° W., 110 lks. dist., marked S 16 B T.
 An oak, 7 ins. diam., brs. N. 15° W., 50 lks. dist., marked S 9 B T.
 Enter heavy timber, extends N. and S.

42.00 Top of ascent; brs. N. and S.; leave dense brush, thence along N. slope of ridge.

63.00 Dry wash, 10 lks. wide, course N.

80.10 The cor. point of secs. 8, 9, 16 and 17.
 Land, mountainous.
 Soil, Gravelly, stony and rocky; 3rd and 4th rte.
 Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita, tesquillo and mesquite.
 Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.10 chs.
 August 18, 1907

 August 19, 1907. At 7h a.m., l.m.t., I set off 13° 04' W on the decl. arc, and 34° 08' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 8, 9, 16 and 17.
 Thence I run,
 N. 0° 2' W., bet. secs. 8 and 9.
 Over mountainous land, descending through heavy timber.

20.50 Dry wash, 20 lks. wide, course NW., thence N., and a rolling valley, extends N. and S.

20.60 Trail from Paulsells' Ranch to Walnut Creek, brs. NW. and SE

23.00 Enter dense oak brush, extends E. and W.

32 25 Oak tree, 14 ins. diam., on line.

40.00 Set a porphyry stone, 21 X 8 X 8 ins., 16 ins. in the ground, for sec. cor., marked on W. face, from which
 A juniper, 12 ins. diam., brs. S. 73 $\frac{1}{2}$ ° E., 18 lks. dist., marked S 9 B T.
 An oak, 18 ins. diam., brs. S. 49 $\frac{1}{2}$ ° W., 43 lks. dist., marked S 8 B T.

51.00 Leave dense brush, extends E. and W.

59.50 Dry wash, 15 lks. wide, course NW.

80.00 Set a sandstone, 24 X 8 X 8 ins., 16 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked with 5 notches on the S. and 4 notches on the E. edge, from which
 An oak, 16 ins. diam., brs. N. 8° E., 66 lks. dist., marked T 9 N R 13 E S 4 B T.
 A juniper, 24 ins. diam., brs. S. 66 $\frac{1}{2}$ ° E., 96 lks. dist., marked T 9 N R 13 E S 9 B T.
 A pine, 16 ins. diam., brs. S. 49° W., 11 lks. dist., marked T 9 N R 13 E S 8 B T.
 A juniper, 56 ins. diam., brs. N. 72 $\frac{1}{2}$ ° W., 264 lks. dist., marked T 9 N R 13 E S 5 B T.

Land, level and mountainous.
 Soil, Sandy and gravelly loam; 2nd and 3rd rate.
 Timber, juniper, oak, pine and pinon; undergrowth, oak.
 Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

 N. 89° 56' E., on a random line bet. secs. 4 and 9.

40.00 Set temp. sec. cor.

80.03 Intersect the N. and S. line at point 9 lks. N. of cor. of secs. 5, 4, 9, and 10.
 Thence I run,
 West on a true line bet. secs. 4 and 9.
 Over mountainous land, ascending through scattering timber and dense brush.

4.00 Ridge, extends Ne. and SW., enter heavy timber; descend.

16.10 Dry wash, 20 lks. wide, course N.

18 00 Dry wash, 15 lks. wide, course NE., leave heavy timber; ascend.

28.00 Ridge, extends NE. and SW., descend along N. slope of round mountain.

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BOOK 2114

Subdivision of Township 9 North, Range 13 East.

chains
40.015 Set a schist stone, 21 X 8 X 6 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
A juniper, 10 ins. diam., brs. S. 72 $\frac{1}{2}$ ° E., 61 lks. dist., marked $\frac{1}{4}$ S 9 B T.
No other tree available.
Top of mountain brs. S. 7 chs. dist.

61.00 Enter valley, extends N. and S., leave dense brush; enter heavy timber.

72.05 Dry wash, 20 lks. wide, course NW.

80.05 The cor. point of secs. 4, 5, 8 and 9.
Land, mountainous and level.
Soil, sandy and gravelly loam and stony; 2nd, 3rd and 4th rate.
Timber, juniper, oak, pine and pinon; undergrowth, oak, manzanita, tesotilla, and nopal cactus.
Mountainous land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.05 chs.
Aug. 19: At noon, I set off 12° 59' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 09' N.

N. 0° 2' W. on a random line bet. secs. 4 and 5.

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

80.20 Intersect the N. bdy. of tp. at a point 3 lks. E. of cor. of secs. 4, 5, 32 and 33.
Thence I run,
S. 0° 5' E., on a true line bet. secs. 4 and 5.
Over mountainous land, ascending through pine timber and dense brush.

4.00 Top, and along the E. slope of ridge.

24.00 Descend from slope.

36.00 Dry wash, 30 lks. wide, course NE., leave dense brush, ascend.

39.00 Top, brs. NE. and SW., enter valley and heavy timber.

40.20 Set a conglomerate stone, 21 X 6 X 6 ins., in mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which
A juniper, 24 ins. diam., brs. S. 66° E., 87 lks. dist., marked $\frac{1}{4}$ S 4 B T.
A juniper, 30 ins. diam., brs. N. 73 $\frac{1}{2}$ ° W., 56 lks. dist., marked $\frac{1}{4}$ S 5 B T.

57.40 Trail from Paulsalls ranch to Walnut Creek, brs. NNE and SSW.

72.35 Dry wash, 20 lks. wide, course WNW.

80.20 The cor. point of secs. 4, 5, 8 and 9.
Land, nearly level and mountainous.
Soil, gravelly loam, stony and rocky; 2nd, 3rd and 4th rate.
Timber, pine, oak and juniper; undergrowth, oak and manzanita.
Mountainous land, heavily timbered or covered with dense undergrowth, 80.20 chs.

August 19, 1907:

August 20; at 7h. a.m., l.m.t., I set off 12° 45' N. on the decl. arc, and 34° 04' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 31 and 32 on the S. bdy. of tp.
Thence I run,
N. 0° 3' W., bet. secs. 31 and 32.
Over rolling land.

4.70 Dry wash, 20 lks. wide, course W., ascend gradually.

31.00 Top of mesa, brs. E. and W.

40.00 Set a granite-porphyr stone, 18 X 8 X 6 ins., 12 ins. in the 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. Pits impracticable.

Subdivision of Township 9 North, Range 13 East.

chains
44.00 Begin descent from mesa, brs. E. and W., through oak timber and brush.
72.00 Little Walnut Creek, 500 ft. below top of mesa, 60 lks. wide, course NW., ascend.
80.00 Set a shale stone, 21 X 8 X 8 ins., 16 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on the S. and 5 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.
An oak, 7 ins. diam., brs. S. 55° W., 187 lks. dist., marked T 9 N R 13 E S 31 B T.
An oak, 7 ins. diam., brs. N. 49° W., 57 lks. dist., marked T 9 N R 13 E S 30 B T.
No other trees available.
Land, rolling, mountainous and nearly level.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, Oak and juniper; undergrowth, oak.
Mountainous land, 36.00 chs.

40.00 East, on a random line bet. secs. 29 and 32.
80.02 Set temp. sec. cor.
Intersect the N. and S. line at a point 5 lks. N. of cor. of secs. 28, 29, 32 and 33.
Thence I run,
N. 89° 58' W., on a true line bet. secs. 29 and 32.
Over mountainous land, ascending through oak and juniper timber.
9.60 Top of ridge, extends NE. and SW.
22.00 Begin descent along NW. slope of ridge.
28.00 Enter heavy timber, extends N. and S.
40.01 Set a sandstone, 24 X 8 X 6 ins., 18 ins. in the ground, for sec. cor., marked on N. face, from which
A juniper, 12 ins. diam., brs. N. 94° E., 76 lks. dist., marked S 29 B T.
A juniper, 20 ins. diam., brs. S. 87 1/2° E., 91 lks. dist., marked S 32 B T.
42.00 Gulch, 15 lks. wide, course SW., leave heavy timber; ascend.
60.00 Top of S. slope of ridge;
80.02 The cor. point of secs. 29, 30, 31 and 32.
Land, mountainous.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak and juniper; undergrowth, oak and nopal cactus.
Mountainous land, heavily timbered, 80.02 chs.

40.00 West, on a random line bet. secs. 30 and 31.
79.90 Set temp. sec. cor.
Intersect the W. bdy. of Tp. at a point 7 lks. S. of cor. point of secs. 30 and 31.
Thence I run,
S. 89° 57' E., on a true line bet. secs. 30 and 31.
Along top of rocky ridge, extends E. and W., through oak timber.
28.00 Begin descent and change to N. slope of Ridge.
39.90 Set a quartzite-porphry stone, 21 X 6 X 6 ins., 16 ins. in the ground, for sec. cor., marked on N. face, from which
An oak, 18 ins. diam., brs. S. 81 1/2° E., 37 lks. dist., marked S 31 B T.
A juniper, 30 ins. diam., brs. N. 12° W., 22 lks. dist., marked S 30 B T.
61.00 Descend from slope
63.00 Descend steep slope over ledges.
67.20 Little Walnut Creek canyon, 700 ft. below sec. cor.
60 lks. wide, course NW., ascend.
70.00 Spur, extends S., descend.
73.70 Dry wash, 20 lks. wide, course S. ascend.
78.00 Leave timber and brush, extends N. and S.
79.90 The cor. point of secs. 29, 30, 31 and 32.

Subdivision of Township 9 North Range 13 East

chains

Land, mountainous.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, oak, juniper, pine and pi on; undergrowth, oak, manzanita, mesquite, Spanish bayonet and nopal cacti.
Mountainous land, exceptionally difficult to survey, 79.90 chs.

August 20. At noon, I set off 12° 39' N. on the decl. arc, and observe the sun on the meridian, the resulting lat. is 34° 05' N.

N. 0° 3' W., bet. secs. 29 and 30.

Over mountainous land, ascending

1.00 Top of W. end of ridge, descend.

4.70 Dry wash, 20 lks. wide, course SW., ascend.

15.70 Dry wash, 15 lks. wide, course E.

28.00 Enter oak timber, extends E. and W.

37.00 Top of mesa, extends NE. and SW.

40.00 Point for sec. cor. falls on blanket ledge of shale rock, which I mark with a cross for exact sec. cor. point, with W. of cross, from which

A juniper, 24 ins. diam., brs. S. 38° E., 43 lks. dist., marked S 39 B T.

An oak, 20 ins. diam., brs. N. 84° W., 78 lks. dist., marked S 30 B T.

Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

Leave timber.

42.00 Dry wash, 20 lks. wide, course E.

59.80 Old road from Pleasant Valley to Spring Creek, brs. E. and W.

61.00 Leave mesa, extends E. and W., enter heavy oak timber descend steeply over rocks.

72.00 Walnut Creek Canyon, 400 ft. below mesa, 60 lks. wide, course W., thence NW., ascend steeply.

80.00 Ridge, 300 ft. above Canyon, extends NE. and SW.

Set a quartz stone, 21 X 9 X 6 ins., in mound of stone, marked with 2 notches on the S. and 5 notches on the E. edge and raise a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

An oak, 6 ins. diam., brs. N. 30 1/2° E., 106 lks. dist. marked T 9 N R 13 E S 20 B T.

A juniper, 9 ins. diam., brs. S. 68 1/2° E., 89 lks. dist., marked T 9 N R 13 E S 29 B T.

A juniper, 18 ins. diam., brs. N. 27 1/2° W., 220 lks. dist., marked T 9 N R 13 E S 19 B T.

No other tree available.

Land, mountainous, nearly level and broken.

Soil, Gravelly, stony and rocky; 3rd and 4th rate.

Timber, oak, juniper and pine; undergrowth, oak and mezcal.

Mountainous land, heavily timbered, exceptionally difficult to survey, 56 chs.

N. 89° 58' E. on a random line bet. secs. 20 and 29.

40.00 Set temp. sec. cor.

50.12 Intersect the N. and S. line at a point 10 lks. S. of cor. of secs. 20, 21, 28 and 29.

Thence I run,

S. 89° 58' W., on a true line bet. secs. 20 and 29.

Over mountainous land,

4.00 Enter oak and juniper timber, extends NE. and SW.

22.00 Walnut creek, 60 lks. wide, course SW., enter gently rolling land.

50.40 Old road from Pleasant Valley to Spring Creek, brs. NE. and SW.

57.00 Same creek, 40 lks. wide, course NW., ascend.

Subdivision of Township 9 North, Range 13 West.

chains

40.06

Set a quartz stone, 18 X 10 X 10 ins., 10 ins. in the ground, for sec. cor., marked on W. face, from which

A juniper, 20 ins. diam., hrs. N. 19° E., 53 lks. dist., marked S 20 B T.

An oak, 7 ins. diam., hrs. S. 17° W., 53 lks. dist., marked S 29 B T.

42.00

Top of spur of mesa, extends NE.

46.40

Descend steeply to

49.70

Walnut Creek Canyon, 60 lks. wide, course SW., ascend steeply.

76.00

Ridge, extends ENE. to WSW.

80.12

The cor. point of secs. 19, 20, 29 and 30.

Land, mountainous and gently rolling.

Soil, gravelly, stony and rocky; 4th rate.

Timber, oak, juniper and ash and walnut along Creek; undergrowth, oak and mezeal.

Mountainous land, exceptionally difficult to survey,

65.00 chs.

August 20, 1907.

August 21; at 7h a.m., 1st T. I set off 12° 25' E. on the decl. and 34° 03' E. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence I run,

N. 89° 57' W. one random line bet. secs. 19 and 30.

40.00

Set temp. at sec. cor.

79.70

Intersect the W. bdy. of Tp. at a point 2 lks. N. of cor. of secs. 19, 24, 25 and 30;

Thence I run,

S. 89° 58' E. on a true line bet. secs. 19 and 30.

Over mountainous land, ascending.

6.00

Enter oak and juniper timber, extends N. and S.

11.60

Top of S. slope of ridge; descend.

19.60

Road from Pleasant Valley to Larson, hrs. NE. and SW.

22.20

Small dry wash, course S., ascend.

28.00

Enter heavy timber, extends NE.

30.00

Top, extends N. and S., enter gently rolling land.

39.70

Set a granite-porphry stone, 18 X 10 X 6 ins., 12 ins. in the ground, for sec. cor., marked on N. face, from which

A juniper, 24 ins. diam., hrs. S. 56° E., 54 lks. dist., marked S 30 B T.

An oak, 14 ins. diam., hrs. N. 44° W., 99 lks. dist., marked S 19 B T.

42.00

Leave timber, extends NW. and SE.

43.23

Same road, hrs. NW. and SE.

62.50

Begin steep, rocky descent through oak timber and brush.

72.00

Walnut Creek Canyon, 60 lks. wide, course NNW., ascend.

79.70

The cor. point of secs. 19, 20, 29 and 30.

Land, mountainous and gently rolling.

Soil, gravelly, stony and rocky; 4th rate.

Timber, oak, juniper and pine; undergrowth, oak, manzanita and mezeal.

Mountainous land, heavily timbered, exceptionally difficult to survey, 59.50 chs.

N. 0° 3' W., bet. secs. 19 and 20.

Over mountainous land, descending through scattering timber.

16.70

Gulch, 30 lks. wide, course W., enter dense brush; ascend.

25.30

Mail trail from Young to Larson, hrs. E. and W.

40.00

Set a sandstone, 24 X 8 X 8 ins., 18 ins. in the ground, for sec. cor., marked on W. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high W. of cor. Fits impracticable.

Subdivision of Township 9 North, Range 13 East.

	chains	A juniper, 7 ins. diam., brs. N. 57 $\frac{1}{2}$ ° E., 102 lks. dist., marked $\frac{1}{2}$ S 20 B T. No other tree available.
53.50		Ridge, extends E. and W., descend.
64.00		Gulch, 1.00 ch. wide, course W., leave dense brush, ascend steep slope.
74.00		Top of SW end of spur; descend.
80.00		Set a sandstone, 21 X 8 X 8 ins., in mound of stone, for cor. of secs. 17, 18, 19 and 20, marked with 3 notches on the S. and 5 notches on the E. edge, and raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper and pinon; undergrowth, oak, manzanita, tesotilla, mezcal and Spanish Bayonet. Mountainous land, covered with dense undergrowth, 60.00 chs. August 21; At noon, I set off 12° 20' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 07' N.

40.00		N. 89° 58' E. on a random line bet. secs. 17 and 20. Set temp. $\frac{1}{2}$ sec. cor.
80.08		Intersect the N. and S. line at a point 10 lks. S. of cor. of secs. 16, 17, 20 and 21. Thence I run, S. 89° 54' W., on a true line bet. secs. 17 and 20. Over gently rolling land, through dense tesotilla undergrowth.
9 40		Leave tesotilla brush, extends E. and S., enter dense oak and manzanita brush, descending gradually.
22.00		Enter heavy timber, extends NE. and SW.
24.60		Dry wash, 20 lks. wide, course SW.
28.70		Dry wash, 15 lks. wide, course S., leave basin and dense brush, extends NE. and SW.
33.55		Dry wash, 20 lks. wide, course S.; ascend.
40.04		Set a schist stone, 21 X 8 X 8 ins., 16 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, from which An oak, 12 ins. diam., brs. N. 36 $\frac{1}{2}$ ° E., 77 lks. dist., marked $\frac{1}{2}$ S 17 B T. An oak, 20 ins. diam., brs. S. 15 $\frac{1}{2}$ ° W., 98 lks. dist., marked $\frac{1}{2}$ S 20 B T.
42.00		Top, extends N. and S., thence descend W. slope of ridge, over spurs, extending W.
50.40		Gulch, 20 lks. wide, course S., water in tanks.
80.08		The cor. of secs. 17, 18, 19 and 20. Land, mountainous and gently rolling. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper and pinon; undergrowth, oak, tesotilla and manzanita. Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 30.08 chs.

40.00		N. 89° 56' W. on a random line bet. secs. 18 and 19. Set temp. $\frac{1}{2}$ sec. cor.
79.40		Intersect the W. Bdy. of Tp. at a point 6 lks. S. of cor. of secs. 13, 18, 19 and 24. Thence I run, S. 89° 55' E. on a true line bet. secs. 18 and 19. Over mesa.
15.50		Gulch, 20 lks. wide, course SE., leave mesa; ascend.
33.00		Spur, extends S., descend.
38.00		Enter scattering timber, extends N. and S.
39.40		Set a sandstone, 18 X 10 X 5 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

Subdivision of Township 9 N., Range 13 East.

	chains	
	73.70	Gulch, 20 lks. wide, course S., ascend.
	75.00	Spur, extends SW., descend.
	78.00	Gulch, 20 lks. wide, course SW., Spring 5.00 chs. up stream; ascend.
	79.40	The cor. point of secs. 17, 18, 19 and 20; Land, mountainous and level. Soil, gravelly, stony and rocky; 5rd and 4th rate. Timber, scattering oak, pines and juniper; undergrowth, oak and manzanita. Mountainous land, exceptionally difficult to survey, 83.90 chs.
		August 31, 1907.
		August 22, 1907. At 7h a.m., 1.m.t., I set off 12° 05' N. on the decl. arc, and 54° 07' E. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 17, 18, 19 and 20. Thence I run, N. 0° 3' W., bet. secs. 17 and 18. Over mountainous land, descending. Gulch, 30 lks. wide, course SW., water in tanks, ascend. Enter oak timber, extends N. and W. Set a sandstone, 21 X 10 X 10 ins. in mound of stone, for sec. cor., marked 1 on N. face, from which A oak, 9 ins. diam., hrs. S. 45° W., 30 lks. dist., marked S 17 B T. No other tree available. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. This impracticable. 41.00 Top of E. slope of ridge, extends N. and W. 60.00 Change to N. slope of ridge. 64.00 Leave timber, extends N. and W. 80.00 Set a sandstone, 24 X 10 X 5 ins., 18 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked with 4 notches on the S. and 5 notches on the N. edge, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. This impracticable. A juniper, 10 ins. diam., hrs. S. 57° E., 226 lks. dist., marked T 9 B T. S 17 B T. No other trees available. Land, mountainous. Soil, gravelly, stony and rocky; 5rd and 4th rate. Timber, oak, and juniper; undergrowth, oak and manzanita. Mountainous land, exceptionally difficult to survey, 80.00 chs.
		N. 89° 54' E. on a random line bet. secs. 8 and 17. 40.00 Set temp. sec. cor. 80.05 Intersect the N. and S. line at a point 2 lks. S. of cor. of secs. 8, 9, 16 and 17. Thence I run, S. 89° 53' W. on a true line bet. secs. 8 and 17. Along the E. slope of ridge, through heavy timber. 40.025 Set a sandstone, 18 X 12 X 5 ins., 18 ins. in the ground, for sec. cor., marked 1 on N. face, from which A juniper, 20 ins. diam., hrs. N. 54 1/2° E., 74 lks. dist., marked S 8 B T. A juniper, 12 ins. diam., hrs. S. 1° W., 22 lks. dist., marked S 17 B T.
	46.00	Leave heavy timber, descend, extends N. and S.
	59.50	Gulch, 15 lks. wide, course N., ascend.
	80.05	The cor. point of secs. 7, 8, 17 and 18. Land, mountainous. Soil, gravelly and stony; 5rd and 4th rate. Timber, oak and juniper; undergrowth, oak. Mountainous land, heavily timbered, 80.05 chs.

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BOOK 2114

Subdivision of Township 9 North, Range 13 East.

chains	August 22, 1907. At noon, I set off 13° N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 03' N.
40.00	N. 89° 55' W., on a random line bet. secs. 7 and 18.
70.00	Set temp. sec. cor.
	Intersect the W. Bdy. of Tp. at a point 20' N. of cor. of secs. 7, 12, 13 and 18.
	Thence I run,
	S. 89° 46' E. on a true line bet. secs. 7 and 18.
	Over mountainous land, ascending through scattering timber.
9.50	Ridge, extends N. and S.
12.71	Descend.
59.20	Set a sandstone, 21 X 12 X 5 ins., 16 ins. in the ground for sec. cor., marked on N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Fits impracticable.
46.50	Gulch, 20 lks. wide, course S., ascend.
69.00	Ridge, extends N. and S.
71.00	Descend.
79.20	The cor. of secs. 7, 8, 17 and 18. Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, juniper and oak; undergrowth, oak. Mountainous land, 19:20 chs.
	N. 0° 5' W., bet. secs. 7 and 8.
	Along the E. slope of ridge, extending N. and S., through scattering timber.
31.70	Dry wash, 15 lks. wide, course SE, ascend.
40.00	Set a sandstone, 24 X 10 X 10 ins., 18 ins. in the ground, for sec. cor., marked on W. face, from which
	A juniper 30 ins. diam., brs. S. 69 1/2° W., 150 lks. dist., marked S 8 B T.
	Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Fits impracticable.
59.00	Enter heavy timber; extends NE. and SE.
60.00	Top of ridge, extends ENE and WSW.
68.00	Descend.
73.00	Foot; extends E. and W., ascend through dense oak brush.
80.00	Top of ridge, extends N. and S.
	Set a porphyry stone, 24 X 8 X 6 ins., 18 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked with 5 notches on the S and E. edges, from which
	A juniper, 36 ins. diam., brs. N. 56 1/2° E., 180 lks. dist., marked T 9 N R 13 E S 5 B T.
	An oak, 8 ins. diam., brs. S. 58 1/2° E., 40 lks. dist., marked T 9 N R 13 E S 8 B T.
	An oak, 8 ins. diam., brs. S. 55° W., 78 lks. dist., marked T 9 N R 13 E S 7 B T.
	A juniper, 30 ins. diam., brs. N. 51 1/2° W., 48 lks. dist., marked T 9 N R 13 E S 6 B T.
	Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, oak and juniper; undergrowth, oak and manzanita. Mountainous land, heavily timbered and covered with dense undergrowth, 60.00 chs. August 22, 1907.

	August 23, 1907. At 7h a.m., 1 m.t., I set off 11° 45' N. on the decl. arc and 34° 09' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 5, 6, 7 and 8.
	Thence I run,
	N. 89° 55' E. on a random line bet. secs. 5 and 8.

Subdivision of Township 9 North, Range 13 East.

chains

40.00 Set temp. sec. cor.
80.08 Intersect the N. and S. line at the cor. of secs. 4, 5, 8 and 9.
Thence I run,

88° 53' W. on a true line bet. secs. 5 and 8.
Over gradually descending ground, through heavy timber.
Trail, brs. N. and S.

11.20
12.75 Dry wash, 30 lks. wide, course N., leave valley and heavy timber, and ascend.

40.04 Set a quartz stone, 18 X 8 X 6 ins., in mound of stone, for sec. cor., marked on N. face, from which
A juniper, 18 ins. diam., brs. N. 43° E., 98 lks. dist., marked S 5 B T.
A juniper, 12 ins. diam., brs. S. 147° W., 76 lks. dist., marked S 6 B T.

48.00 Ridge, extends NE. and SW., enter heavy timber; descend.

62.70 Gulch, 20 lks. wide, course NE., ascend through dense brush.

80.08 The cor. of secs. 5, 6, 7, and 8.
Land, mountainous.
Soil, gravelly, stony and rocky; 2nd, 3rd and 4th rate.
Timber, oak, juniper and pine; undergrowth, oak and manzanita.

Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.08 chs.

August 23; At noon, I set off 11° 40' N. on the decl arc, and observe the sun on the meridian, the resulting lat. is 34° 09' N.

N. 89° 46' W. on a random line bet. secs. 6 and 7.

40.00 Set temp. sec. cor.
79.10 Intersect the W. Bdy. of Tp. at the cor. of secs. 1, 6, 7 and 12.

Thence I run,
S. 89° 46' E., on a true line bet. secs. 6 and 7.
Over mountainous land, descending through oak timber and dense oak brush.

9.70 Leave dense brush, extends NE. and SW., descend steeper slope.

27.40 Gulch, 80 lks. wide, course NW., enter dense brush, ascend.

39.10 Set a schist stone, 18 X 8 X 5 ins., 12 ins. in the ground, for sec. cor., marked on N. face, and raise a mound of stone, 2 ft. base, 12 ft. high, N. of cor. Pits impracticable.

An oak, 7 ins. diam., brs. N. 47° E., 165 lks. dist., marked S 6 B T.

No other tree available.

47.30 Top of rim rock, extends E. and S., enter mesa and heavy timber.

74.20 Ascend.

79.10 The cor. of secs. 5, 6, 7, and 8.

Land, mountainous.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, oak, juniper and pine; undergrowth, oak, manzanita and tesotilla.

Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 79.10 chs.

N. 0° 3' W. on a random line bet. secs. 5 and 6.

40.00 Set temp. sec. cor.
80.40 Intersect the N. Bdy. of Tp. at a point 7 lks. E. of cor. of secs. 5, 6, 31 and 32.

Thence I run,
S. 0° 6' E., on a true line bet. secs. 5 and 6.
Over mountainous land, ascending through oak timber and dense brush.

Subdivision of Toenship 9 North, Range 13 East.

chains
8.00
27.00
40.40

68.00
68.00
80.40

Top of ridge, extends N. and S., thence along E. slope.
 Leave dense brush, extends NE. and SW., ascend.
 Set a sandstone, 21 X 10 X 8 ins., 16 ins. in the
 ground, for 1 sec. cor., marked on W. face, from
 which
 A juniper, 20 ins. diam., brs. S. 45° E., 78 lbs.
 dist., marked S 5 B T.
 A juniper, 36 ins. diam., brs. S. 59° W., 112
 lbs. dist., marked S 6 B T.
 Enter heavy timber, extends NW. and SE,
 Top of ridge, extends N. and S., enter dense brush.
 The cor. point of secs. 5, 6, 7, and 8.
 Land, mountainous.
 Soil, gravelly and stony; 3rd and 4th rate.
 Timber, oak, juniper, pine and pinon; undergrowth,
 oak and manzanita.
 Mountainous land, heavily timbered or covered with dense
 undergrowth, exceptionally difficult to survey,
 80.40 chs.

August 25, 1907.

General Description.

This township is mountainous in the north, west, center,
 and extreme south, rolling along the north half on the
 east boundary and nearly level in the southeast part.
 There is some good, agricultural land in secs. 23,
 24, 25 and 26, the soil of this part of the town-
 ship is rich and gravelly loam; first and second rate.
 The soil of the mountainous portions of the township
 and on the high mesas is generally gravelly, stony and
 rocky, third and fourth rate.
 Oak, juniper and pine timber is found in nearly all
 parts, also a good growth of grass.
 Walnut Creek has permanent running water. There is
 an old road from Pleasant Valley to Spring Creek
 running through this township. There are also two
 good trails, one from Young to Roosevelt and the mail
 trail from Young to Layson.
 George Hubbard's ranch is in sec. 25 and F. Gruwell is
 in Sec. 15.
 This ground is chiefly valuable for grazing purposes
 and for its timber.

Edgar C. Dietrich
 S. DEPUTY SURVEYOR.

*For authority for red ink corrections
 see Deputy Statement of 8/4/07.*

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

31

LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich

....., 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 subdivisional lines of Sp. 9 N., R. 13 E.

showing the respective capacities in which they acted:

- James B. Boley....., Chainman.
- John Harding Culin....., Chainman.
- John M. Drayer....., Moundman.
- Albert H. Sanford....., Moundman.
- Fred Smith....., Axman.
- Robert Holder....., Axman.
- Chas. Neumayer....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Edgar C. Dietrich

....., United States Deputy Surveyor, in surveying all

those parts or portions of the subdivisional lines of Sp. 9 N., R. 13 E.

Salt River Base meridian, Territory of Arizona of the 6th

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for Arizona

- James B. Boley ✓....., Chainman.
- John Harding Culin ✓....., Chainman.
- John M. Drayer ✓....., Moundman.
- Albert H. Sanford ✓....., Moundman.
- Fred Smith ✓....., Axman.
- Robert Holder ✓....., Axman.
- Chas. Neumayer ✓....., Flagman.

Subscribed and sworn to before me this 15th day of November, 1897



Edgar C. Dietrich
U. S. Deputy Surveyor
No Notary available

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Edgar C. Dietrich, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls, United States Surveyor General for Arizona, bearing date of the 7th day of May, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of subdivisional lines of Sp. 9 N., R. 13 E.

River Base of the Gila & Salt meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Edgar C. Dietrich
United States Deputy Surveyor.

Subscribed by said Edgar C. Dietrich, and sworn to before me }
this 21 day of November, 1907

James R. Mumath
U. S. Commissioner 1st Jud. Dist.
Territory of Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

The foregoing field notes of the survey of the subdivision lines of Sp. 9 N., R. 13 E. of the Gila and Salt River Base and Meridian, Thomas A. Morsch, 1897

executed by Edgar C. Dietrich, U. S. Deputy Surveyor, under his contract No. 146, dated May 2, 1906, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.