

June 27

Book G.

2115

BOOK 2115

FIELD NOTES

2115

OF THE SURVEY OF THE

2115

Subdivisional lines of Sp. 9 N., R. 14 E.

2115

Of the Gila & Salt River Basins Meridian,
Arizona

AS SURVEYED BY

Edgar C. Dietrich

United States Deputy Surveyor.

Under his Contract No.

140

, dated

May 7

~~1906~~

Survey commenced

Sept. 4th

~~1907~~

Survey completed

Sept. 27th

1907

2115

2115

174 (A)

BOOK 2115

NAMES AND DUTIES OF ASSISTANTS.

James B. Boley }
John H. Culin } Chairmen

John M. Trayer }
Albert H. Sanford } Moundmen

Fred Smith }
Robert Holder } axmen

Chas. Neumayer }
Flagman

BOOK 2115

Book No. 2115

INDEX DIAGRAM.

Township 9-North, Range 14-East

6	31	5	23	4	18	3	12	2	6	1
31		30		23		17		11		6
7	30	8	22	9	17	10	11	11	5	12
30		29		22		16		10		5
18	29	17	21	16	16	15	10	14	4	13
28		28		21		15		9		4
19	27	20	20	21	15	22	9	28	3	24
27		26		20		14		8		3
80	26	29	19	28	14	27	8	26	2	25
25		25		19		13		7		2
81	24	82	18	83	12	84	7	85	1	86

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

116
10 BOOK 2115

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 upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivisional lines of Sp 9 N., R. 14 E.

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

Subscribed and sworn to before me this 10
day of July, 1907



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 14 E.

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

Subscribed and sworn to before me this 10
day of July, 1907



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 14 E.

Fred Smith, Axman.
Robert Holder, Axman.

Subscribed and sworn to before me this 10
day of July, 1907



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. 14 E.

Chas. Neumayer, Flagman.

Subscribed and sworn to before me this 10
day of July, 1907



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

chains

Survey commenced August 28, 1907, and executed with a Queen light mountain transit, with Burt's 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 of 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 made on Polaris, I proceed as follows:-

I begin at the Standard cor. of secs. 35 and 36, on the S. E. cor. of Tp., latitude $54^{\circ} 04' 20''$ N., longitude $110^{\circ} 51' 33''$ and set off $34^{\circ} 04' E.$ on the lat. arc, $9^{\circ} 53' N.$ on the decl. arc, and at 4h 30m p.m., l.m.t. determine with the solar a meridian and mark a point thereof, on a stone, firmly set in the ground, 5.00 chs. N. of the cor.

At 9h. 3m. 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 28, 1907.

August 29, 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 30 m. a.m., l.m.t., I set off $34^{\circ} 04' E.$ on the lat. arc, $9^{\circ} 39' N.$ on the decl. arc, and mark a point in 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., is $N. 14^{\circ} 30' W.$, the angle thus determined gives the magnetic declination $14^{\circ} 30' E.$

From this cor. I run

N. $0^{\circ} 1' W.$, bet. secs. 35 and 36.

Over gently rolling land, along W. slope of mesa, through scattering juniper and dense brush.

5.00

Dry wash, 15 lks. wide, course SW.

20.80

Dry wash, 15 lks. wide, course WSW. thence S.

28.70

Dry wash, 15 lks. wide, course W.

40.00

Set a sandstone, 21 X 8 X 6 ins., in a mound of stone, for 1 sec. cor., marked on W. face, and raise a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

41.40

Rock, 30 X 20 X 10 feet above ground, on line. The top of this rock is covered with Indian symbols etched in the stone.

53.10

Dry wash, 15 lks. wide, course SW.

62.60

Dry wash, 15 lks. wide, course W.

70.00

Enter heavy timber; extends E. and W.

75.20

Dry wash, 20 lks. wide, course NW.

80.00

Set a porphyry stone, 21 X 8 X 8 ins., 16 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked with one notch on S. and E. edge, from which

chsins	
	A cedar, 18 ins. diam., brs. N. 24° E., 24 lks. dist., marked T 9 N R 14 E S 25 B T.
	A cedar, 6 ijs. diam., brs. S. 69° E., 44 lks. dist., marked T 9 N R 14 E S 36 B T.
	A pinon, 5 ins. diam., brs. S. 75° W., 33 lks. dist., marked T 9 N R 14 E S 35 B T.
	A cedar, 12 ins. diam., brs. N. 20° W., 97 lks. dist., marked T 9 N R 14 E S 26 B T.
	Land, gently rolling. Soil, gravelly and stony; 3rd and 4th rate. Timber, cedar, juniper and pinon; undergrowth, oak and manzanita.
	Land, heavily timbered, covered with dense undergrowth, exceptionally difficult to survey, 30.00 chs.
	----- East, on a random line bet. secs 25 and 36.
40.00	Set temp. 1/2 sec. cor.
80.02	Intersect the E. Bdy. of Tp. at a point 8 lks. S. of cor. of secs. 25, 30, 31 and 36.
	Thence I run, S. 89° 57' W. on a true line bet. secs. 25 and 36. Over gently rolling mesa, through heavy timber and dense brush.
5.30	Dry wash, 15 lks. wide, course W.
35.60	Dry wash, 20 lks. wide, course NW.
40.01	Set a sandstone, 24 X 12 X 5 ins., in mound of stone, for 1/2 sec. cor., marked on N. face, from which
	A juniper, 20 ins. diam., brs. N. 45° E., 111 lks. dist., marked 1/2 S 25 B T.
	A juniper, 18 ins. diam., brs. S. 21° W., 70 lks. dist., marked 1/2 S 36 B T.
55.00	Leave heavy timber; begin steep descent from mesa, ex- tends N. and S.
69.00	Foot of steep descent, enter heavy timber; extends N. and S.
80.02	The cor. point of secs. 25, 26, 35 and 36. Land, gently rolling and mountainous. Soil, gravelly, stony and rocky; 2nd, 3rd and 4th rate. Timber, juniper, oak, pine and pinon; undergrowth, oak, manzanita and buck brush. Mountainous land, or land heavily timbered, or covered with dense undergrowth, exceptionally difficult to survey, 80.02 chs.
	August 29: At noon, I set off 9° 35' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 05' N.
	----- N. 0° 1' W., bet. secs. 25 and 26.
	Over gently rolling land, along the W. slope of mesa.
1.70	Dry wash, 10 lks. wide, course W.
4.00	Descend from slope.
8.00	Dry wash, 15 lks. wide, course W.
15.20	Stockade fence, brs. NE. and SW., leave heavy timber and dense brush; enter corral.
21.00	Dry creek, 60 lks. wide, course SE.
25.24	Stockade fence, brs. NE. and SW., leave corral.
30.20	Trail from Pleasant Valley to Cibicu Creek, brs. ENE. and WSW.
31.00	Re-enter dense brush, extends E. and W.
32.20	Dry wash, 20 lks. wide, course E.
37.00	D. B. Delbridge's house, vacant, Brs. E. 5.00 chs. dist.
37.80	Shed and corral, brs. E. 170 lks. dist.
39.50	Dry wash, 20 lks. wide, course SE.
40.00	Point for 1/2 sec. cor. falls on bank of wash.
40.50	Set a sandstone, 18 X 9 X 5 ins., in mound of stone, for witness cor. to 1/2 sec. cor., marked W C 1 on W. face, from which

Subdivision of Township 9 North, Range 14 East

chains

A juniper, 36 ins. diam., brs. S. 72 $\frac{3}{4}$ ° E., 44 lks. dist., marked $\frac{1}{4}$ S. 25 W C.B T.
 An oak, 14 ins. diam., brs. S. 16 $\frac{1}{4}$ ° W., 74 lks. dist., marked $\frac{1}{4}$ S 25 W C.B T.
 60.00 Begin steep ascent.
 80.00 Set a porphyry stone, 18 X 8 X 8 ins., in mound of stone, for cor. of secs. 23, 24, 25 and 26, marked with 2 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.
 An oak, 12 ins. diam., brs. N. 35 $\frac{3}{4}$ ° E., 126 lks. dist marked T 9 N R 14 E S 24 B T.
 No other trees within limits.
 Land, gently rolling and mountainous.
 Soil, gravelly and stony; 3rd and 4th rate.
 Timber, oak, juniper, pine; undergrowth, oak, manzanita, tesotilla.
 Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

40.00 N. 89° 57' E., on a random line bet. secs. 24 and 25.
 80.06 Set temp. $\frac{1}{2}$ sec. cor.
 Intersect the E. Bdy. of Tp. at a point 5 lks. N. of cor. of secs. 19, 24, 25 and 30.
 Thence I run,
 S. 89° 59' W. on a true line bet. secs. 24 and 25.
 Along S. slope of mesa, through scattering juniper and dense brush.
 7.00 Descend from mesa.
 19.00 Foot of steep descent; enter gently rolling land.
 27.00 Enter heavy timber, extends NW. and SE.
 28.70 Pine creek, 40 lks. wide, course WNW.
 40.03 Set a sandstone, 28 X 10 X 6 ins., in mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which
 A juniper, 7 ins. diam., brs. S. 11 $\frac{1}{4}$ ° W., 39 $\frac{1}{2}$ lks. dist., marked $\frac{1}{4}$ S 25 B T.
 A juniper, 18 ins. diam., brs. N. 39 $\frac{1}{2}$ ° W., 24 lks dist., marked $\frac{1}{4}$ S 24 B T.
 Butte, brs. S. 40 chs. dist.
 46.00 Pine creek, 40 lks. wide, course SSW.
 47.00 Dry creek, 40 lks. wide, course S., leave heavy timber
 47.50 Trail, brs. NE. and SW.
 55.50 Crouch Creek, 40 lks. wide, course S., ascend.
 77.00 Trail, brs. ESE and WNW.
 80.06 The cor. point of secs. 23, 24, 25 and 26.
 Land, mountainous.
 Soil, gravelly, stony and rocky; 3rd and 4th rate.
 Timber, juniper, oak, pine; undergrowth, oak, manzanita, buck brush, tesotilla and mezcal.
 Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.06 chs.

August 29, 1907.

August 30, 1907. N. 0° 1' W., bet. secs. 23 and 24.
 Over mountainous land, ascending through oak timber and dense brush.
 1.10 Top of branch mesa, extends E. and W., sloping E., trail brs. ESE. and WNW.
 7.00 Deep gulch, 30 lks. wide, course E.
 15.50 Along W. edge Crouch Creek Canyon.
 26.70 Leave edge of canyon; enter heavy timber, extends NE. and SW.
 40.00 Set a sandstone, 18 X 8 X 8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which
 A juniper, 30 ins. diam., brs. S. 76° E., 37 lks. dist., marked $\frac{1}{4}$ S 24 B T.
 A juniper, 36 ins. diam., brs. N. 33° W., 12 lks dist., marked $\frac{1}{4}$ S 23 B T.
 44.90 Dry wash, 15 lks. wide, course ENE.

chains
80.00

Set a sandstone, 18 X 10 X 5 ins., 12 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. edge, from which

An oak, 7 ins. diam., brs. N. $39\frac{1}{2}^{\circ}$ E., 77 lks. dist., marked T 9 N R 14 E S 13, B T.

A pinon, 9 ins. diam., brs. S 60° E., 83 lks. dist., marked T 9 N R 14 E S 24 B T.

An oak, 8 ins. diam., brs. S. 59° W., 75 lks. dist., marked T 9 N R 14 E S 23 B T.

A juniper, 36 ins. diam., brs. N. $61\frac{1}{2}^{\circ}$ W., 91 lks. dist., marked T 9 N R 14 E S 14 B T.

Land, gently rolling.

Soil, gravelly, stony and rocky; 2nd, 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak manzanita and mezcal.

Land heavily timbered and covered with dense undergrowth, 80.00 chs.

N. $89^{\circ} 59'$ E., on a random line bet. secs. 13 and 24

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

80.10 Intersect the E. Bdy. of Tp. at a point 5 lks. N. of cor. of secs. 13, 18, 19 and 24.

Thence I run,

N. $89^{\circ} 59'$ W., on a true line bet. secs. 13 and 24.

Over mountainous land, ascending, oak timber and dense undergrowth.

8.00 Spur, extends S.

9.40 Descend.

24.20 Dry wash, 20 lks. wide, course S., ascend.

36.00 Top of spur, extends S.

40.05 Set a porphyry stone, 21 X 12 X 7 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which

A juniper, 40 ins. dia., brs. N. $73\frac{1}{2}^{\circ}$ E., 107 lks. dist., marked $\frac{1}{4}$ S 13 B T.

An oak, 9 ins. diam., brs. S. $46\frac{1}{2}^{\circ}$ W., 182 lks. dist., marked $\frac{1}{4}$ S 24 B T.

50.00 Descend.

54.00 Crouch Creek, water in tanks, 40 lks. wide, course S., ascend.

61.50 Top of Crouch Mesa, extends N. and S., leave dense brush.

78.20 Dry wash, 25 lks. wide, course SE.

80.10 The cor. point of secs. 13, 14, 23 and 24.

Land, mountainous, and gently rolling.

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

Timber, oak, juniper and scattering pine and pinon;

undergrowth, oak, manzanita, tesotilla and buck brush.

Mountainous land, or land heavily timbered or covered with dense undergrowth, 80.10 chs.

August 30, at Noon, I set off $9^{\circ} 14'$ N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is $34^{\circ} 07'$ N.

N. $0^{\circ} 1'$ W., bet. secs. 13 and 14.

Over gently rolling mesa, through heavy timber and dense brush.

1.20 Dry wash, 30 lks. wide, course SE.

40.00 Set a sandstone, 18 X 8 X 6 ins., in mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which

A pine, 18 ins. diam., brs. S. $13\frac{1}{2}^{\circ}$ E., 42 lks. dist., marked $\frac{1}{4}$ S 13 B T.

A juniper, 24 ins. diam., brs. S. $63\frac{1}{2}^{\circ}$ W., 100 lks. dist., marked $\frac{1}{4}$ S 14 B T.

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

59.60 Old road, brs. NE. and SW.

80.00 Set a sandstone, 18 X 8 X 6 ins., 12 ins. in the ground

Subdivision of Township 9 North, Range 14 East.

chains

for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on the S. and 1 notch on the E. edge, from which

A juniper, 30 ins. diam., brs. S. 41 1/2° W., 75 lks. dist., marked T 9 N R 14 E S 14 B T.

A juniper, 20 ins. diam., brs. N. 22° W., 18 lks. dist., marked T 9 N R 14 E S 11 B T.

A juniper, 30 ins. diam., brs. N. 72° E. 88 lks. dist., marked T 9 N R 14 E S 12 B T.

A pine, 44 ins. diam., brs. S 38° E., 2 1/2 lks. dist., marked T 9 N R 14 E S 13 B T.

Land, gently rolling mesa.

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

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

Heavy timber, 80.00 chs.

S. 89° 59' E. on a random line bet. secs. 12 and 13.

40.00 Set temp. 1/4 sec. cor.

80.04 Intersect the E. Bdy. of Tp. at a point 8 lks. N. of cor. of sec s . 7, 12, 13 and 18.

Thence I run,

N. 89° 56' W. on a true line bet. secs. 12 and 13.

Over mountainous land, descending through heavy timber and dense brush.

1.15 Dry wash, 15 lks. wide, course S., ascend.

21.20 Ridge, extends N. and S.

24.70 Descend.

33.00 Foot of descent; extends N. and S., leave dense brush, enter nearly level Crouch Mesa.

40.02 Set a sandstone, 18 X 8 X 8 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, from which

A pine, 20 ins. diam., brs. N. 41 1/2° E., 187 1/2 lks. dist., marked 1/4 S 12 B T.

A juniper, 36 ins. diam., brs. S. 33 1/2° E., 212 lks. dist., marked 1/4 S 13 B T.

49.10 Old road, brs. NE. and SW.

70.00 Crouch Creek, dry, 30 lks. wide, course S.

80.04 The cor. point of secs. 11, 12, 13 and 14.

Land, gently rolling, mountainous and level.

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

Timber, oak, pine, juniper and pinon; undergrowth, oak, pine and buck brush.

Mountainous or heavily timbered land, covered with dense undergrowth, exceptionally difficult to survey, 40.02 chs.

August 30, 1907.

August 31: at 7h a.m., l.m.t., I set off 8° 58' N. 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. 11, 12, 13 and 14.

Thence I run,

N. 0° 1' W., bet. secs. 11 and 12.

Over gently rolling mesa, through heavy timber and brush.

40.00 Set a porphyry stone, 18 X 8 X 5 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, from which

A juniper, 30 ins. diam., brs. S. 58° E., 158 lks. dist., marked 1/4 S 12 B T.

A juniper, 20 ins. diam., brs. N. 73 1/2° W., 29 lks. dist., marked 1/4 S 11 B T.

62.30 Begin descent from mesa; extends E. and W.

69.00 Foot of steep descent; enter bench.

77 00 Descend from bench.

80.00 Foot of steep descent.

Set a sandstone, 24 X 10 X 8 ins., 18 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 from which

Subdivision of Township 9 North, Range 14 East.

chains

A pine, 24 ins. diam., brs. N. $25\frac{1}{2}^{\circ}$ E., 50 lks. dist.
 marked T 9 N R 14 E S 1 B T.
 A pine, 18 ins. diam., brs. S. 41° E., 43 lks. dist.,
 Marked T 9 N R 14 E S 12 B T.
 A pine, 20 ins. diam., brs. S. $28\frac{1}{2}^{\circ}$ W., 147 lks. dist.,
 marked T 9 N R 14 E S 11 B T.
 A pine, 22 ins. diam., brs. N. $87\frac{1}{2}^{\circ}$ W., 55 lks. dist.,
 marked T 9 N R 14 E S 2 B T.

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, sandy, gravelly and stony; 2nd, 3rd and 4th rate. Timber, pine, oak, juniper, and scattering pinon; undergrowth, oak and buck brush.

Mountainous land, heavily timbered and covered with dense undergrowth, 80.00 chs.

S. $89^{\circ} 56'$ E. on a random line bet. secs. 1 and 12.

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

80.11 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. $89^{\circ} 54'$ W., on a true line bet. secs. 1 and 12.

Over mountainous land, descending through heavy timber and dense brush.

13.35 Dry wash, 15 lks. wide, course S., enter mesa, sloping S.

15.15 Old road, Brs N. and S.

23.00 Descend from mesa.

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

36.40 Top of spur, extends SW.

40.055 Set a porphyry stone, 18 X 14 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which

A juniper, 40 ins. diam., brs. N. $66\frac{1}{2}^{\circ}$ E., 100 lks. dist., marked $\frac{1}{4}$ S 1 B T.

A pine, 30 ins. diam., brs. S. $54\frac{1}{2}^{\circ}$ W., 111 lks. dist., marked $\frac{1}{4}$ S 12 B T.

43.00 Descend.

63.00 Foot, extends NW. and SE., enter gently rolling land.

74.80 Dry wash, 40 lks. wide, course NW.

78.00 Ascend gradually.

80.11 The cor. point of secs. 1, 2, 11 and 12.

Land, mountainous, level and gently rolling.

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

Timber, oak, juniper, pine and pinon; undergrowth, oak, buck brush and pine.

Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.11 chs.

August 31; At noon, I set off $8^{\circ} 52'$ N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is $34^{\circ} 09'$ N.

N. $0^{\circ} 1'$ W., on a random line bet. secs. 1 and 2.

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

79.92 Intersect the N. Bdy. of Tp. at a point 9 lks. E. of cor. of secs. 1, 2, 35 and 36.

Thence I run,

S. $0^{\circ} 5'$ E., on a true line bet. secs. 1 and 2.

Over mountainous land, along W. slope of ridge, through heavy timber and brush.

11.00 Enter heavy timber and dense brush, extends NE. and SW.

13.00 Descend, steeper.

36.15 Dry wash, 10 lks. wide, course SSE.

39.92 Set a porphyry stone, 21 X 12 X 7 ins., 16 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. 62° E., 70 lks. dist., marked $\frac{1}{4}$ S 1 B T.

A pine, 24 ins. diam., brs. N. $37\frac{1}{2}^{\circ}$ W., 31 lks. dist.

	marked $\frac{1}{4}$ S 2 B T.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
42.20	Dry wash, 20 lks. wide, course SW., leave dense brush enter gently rolling land.
48.40	Dry wash, 20 lks. wide, course SW.
72.69	Dry wash, 40 lks. wide, course NW., ascend gradually.
79.92	The cor. of secs. 1, 2, 11 and 12. Land, mountainous and gently rolling. Soil, sandy, gravelly and stony; 3rd and 4th rate. Timber, pine, juniper, oak and pinon; undergrowth, oak, pine, and buck Brush. Mountainous land, heavily timbered or covered with dense undergrowth, 79.92 chs.
	August 31, 1907.

	September 1: At 7h. a.m., l.m.t. I set off $8^{\circ} 36'$ 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. 34 and 35, as recently established by Deputy Marcy on S. bdy. of Tp. Thence I run,
	N. $0^{\circ} 1'$ W., bet. secs. 34 and 35.
7.00	Over mountainous land, ascending through oak brush.
12.00	Spur, extends SSE., descend along NE. slope.
	Enter scattering oak and juniper timber, extends NW., and SE.
26.40	Dry wash, 30 lks. wide, course SE., ascend.
40.00	Set a sandstone, 18 X 8 X 5 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.
48.00	Along W. slope of ridge, brs. N. and S., Enter same wash, leave timber.
68.00	Leave wash; ascend.
80.00	Set a sandstone, 18 X 8 X 6 ins., 12 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, 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; 3rd and 4th rate. Timber, oak and juniper; undergrowth, oak and tesotilla. Mountainous land, exceptionally difficult to survey, 80.00 chs.

	East, on a random line bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect the N. and S. line at a point 14 lks. S. of cor. of secs. 25, 26, 35 and 36. Thence I run, S. $89^{\circ} 54'$ W. on a true line bet. secs. 26 and 35. Over gently rolling land, descending through heavy timber and dense brush.
13.70	Dry Creek, 40 lks. wide, course SW., leave heavy timber and dense brush; ascend.
23.00	Spur, extends S., descend.
27.00	Gulch, 15 lks. wide, course S., ascend.
40.05	Set a granitic porphyry stone, 21 X 10 X 5 ins., in mound of stone, for $\frac{1}{2}$ 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, 28 ins. diam., brs. S. 23° W., 105 lks. dist., marked $\frac{1}{4}$ S 35 B T. No other tree within limits.
56.00	Ridge, extends N. and S., enter dense oak brush; descend.
69.40	Dry wash, 20 lks. wide, course S., leave dense brush
74.00	Dry wash, 20 lks. wide, course S., ascend.
80.10	The cor. of secs. 26, 27, 34 and 35.

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 BOOK

Subdivision of Township 9 North Range 14 East.

chains

	Land, mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper and pinon; undergrowth, oak, manzanita, tesotilla and mezcal. Mountainous land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.10 chs. September 1: At noon, I set off 8° 31' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 05' N.
8.50	N. 0° 1' W. bet. secw. 26 and 27. Over mountainous land, through oak and juniper timber and oak brush. Trail, from Pleasant Valley to Cibicu, Creek, brs. ENE and WSW.
40.00	Set a granite stone, 18 X 8 X 8 ins., in mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which A juniper, 14 ins. diam., brs. S. 35° E., 49 lks. dist., marked $\frac{1}{4}$ S 26 B T. An oak, 7 ins. diam., brs. N. 28 $\frac{1}{2}$ ° W., 30 lks. dist., marked $\frac{1}{4}$ S 27 B T.
44.70	Top of spur, 600 ft. above cor. of secs. 26, 27, 34 and 35, extends SW. from Crouch mesa.
50.00	Descend.
51.60	Old road, brs. NE. and SW.,
67.30	Gulch, 30 lks. wide, course WSW., ascend.
80.00	Set a granitic porphyry stone, 24 X 12 X 10 ins., in mound of stone, for cor. of secs. 22, 23, 26 and 27, marked with 2 notches on the S. and E. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable. An oak, 24 ins. diam., brs. N. 80° E., 46 lks. dist., marked T 9 N R 14 E S 23 B T. A juniper, 40 ins. diam., brs. S. 62 $\frac{1}{2}$ ° W., 141 lks. dist., marked T 9 N R 14 E S 27 B T. No other trees available.
	Land, mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak and juniper; undergrowth, oak, tesotilla, mezcal and nopal cactus. Mountainous land, exceptionally difficult to survey, 80.00 chs.
40.00	N. 89° 54' E. on a random line bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect the N. and S. line at the cor. of secs. 23, 24, 25 and 26. Thence I run, S. 89° 54' W. on a true line bet. secs. 23 and 26. Ascending through oak timber and brush.
35.60	Head of gulch, course SE., enter dense brush.
40.03	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 N. face, from which An oak, 9 ins. diam., brs. N. 34 $\frac{1}{2}$ ° E., 140 lks. dist., marked $\frac{1}{4}$ S 23 B T. A juniper, 30 ins. diam., brs. S. 15 $\frac{1}{4}$ ° E., 153 lks. dist., marked $\frac{1}{4}$ S 26 B T.
47.00	Old road, brs. NE. and SW.
53.00	Spur extends SW.
58.00	Descend.
69.30	Gulch, 30 lks. wide, course SW., ascend; leave dense brush.
80.06	The cor. of secs. 22, 23, 26 and 27. Land, mountainous.

Subdivision of Township 9 North, Range 14 East.

chains

Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak, juniper and pine; undergrowth, oak, pine.
Mountainous land, covered with dense undergrowth,
80.06 chains.

September 1, 1907.

September 2: At 7h a.m., l.m.t., I set off 8° 15' N.
on the decl. arc, and 34° 06' N. on the lat. arc,
and determine a true meridian with the solar at the
cor. of secs. 22, 23, 26 and 27

Thence I run,
N. 0° 1' W. bet. secs. 22 and 23.

Over mountainous land, ascending through scattering
timber.

17.00 Top of Crouch Mountain, extends NNE. and SSW., enter
dense brush.

34.00 Enter heavy timber; extends NE. and SW.

38.00 Begin descent from mountain.

40.00 Set a porphyry stone, 16 X 14 X 12 ins., 11 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.

A juniper, 14 ins. diam., brs. East, 45 lks. dist.,
marked $\frac{1}{4}$ S 23 B T.

A juniper, 30 ins. diam., brs. S. 50° W., 90 lks
dist., marked $\frac{1}{4}$ S 22 B T.

44.40 Gulch, 20 lks. wide, course NW.

57.15 Old road brs. E. and W.

64.00 Foot of steep descent; thence descend along spur, ex-
tending N. from mountain.

80.00 Set a quartz-porphry stone, 18 X 8 X 5 ins., 12 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.

A juniper, 40 ins. diam., brs. N. 7 $\frac{1}{2}$ ° E., 70 lks.
dist., marked T 9 N R 14 E S 14 B T.

A juniper, 40 ins. diam., brs. S. 83 $\frac{1}{2}$ ° E., 44 lks.
dist., marked T 9 N R 14 E S 23 B T.

An oak, 18 ins. diam., brs. S. 46 $\frac{1}{2}$ ° W., 132 lks.
dist., marked T 9 N R 14 E S 22 B T.

A juniper, 30 ins. diam., brs. N. 69 $\frac{1}{2}$ ° W., 113 lks.,
dist., marked T 9 N R 14 E S 15 B T.

Land, mountainous.

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

Timber, juniper, oak, pine and pinon; undergrowth,
oak, pine, buck brush.

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

N. 89° 54' E. on a random line bet. secs. 14 and 23.

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

80.01 Intersect the N. and S. line at a point 0 lks. N.
of cor. of secs. 13, 14, 23 and 24.

Thence I run,

S. 89° 56' W. on a true line bet. secs. 14 and 23.

Ascending gradually through heavy timber.

6.00 Enter dense brush, extends N. and S.

19.00 Gulch, 30 lks. wide, course NE., thence ESE.

33.85 Old road, brs. NE. and SW.

40.005 Set a sandstone, 18 X 10 X 8 ins. 12 ins. down., for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which

A juniper, 20 ins. diam., brs. N. 20° E., 15 lks
dist., marked $\frac{1}{4}$ S 14 B T.

An oak, 12 ins. diam., brs. S. 30° W., 100 lks.
dist., marked $\frac{1}{4}$ S 23 B T.

63.00 Top of Crouch Mountain, extends N. and S., leave heavy
timber; descend.

73 30 Gulch, 20 lks. wide, course N., ascend through heavy
timber

10-2115
BOOK

chains
80.01

The cor. of secs. 14, 15, 22 and 23.
Land, mountainous and gently rolling.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak, juniper, pine and pinon; undergrowth,
oak, pine, manzanita and mezcal.
Mountainous land, heavily timbered and covered with
dense timber, exceptionally difficult to survey,
80.01 chs.
September 2; At noon, I set off 8° 9' N. on the
decl. arc, and observe the sun on the meridian; the
resulting lat. is 34° 07' N.

17.55
20.90
37.00
40.00

45.00
65.85
75.30
80.00

N. 0° 1' W. bet. secs. 14 and 15.
Over mountainous land, descending along E. slope of
spur, through heavy timber and dense brush.
Gulch, 20 lks. wide, course W.
Gulch, 30 lks. wide, course Sw.; ascend.
Top of spur, extends W. from Crouch mesa.
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, 1 $\frac{1}{2}$ ft. high, W.
of cor.
A juniper, 30 ins. diam., brs. S. 19 $\frac{1}{2}$ ° E., 37 lks.
dist., marked $\frac{1}{4}$ S 14 B T.
A juniper, 30 ins. diam., brs. S. 51° W., 35 lks.
dist., marked $\frac{1}{4}$ S 15 B T.
Descend from spur.
Gulch, 30 lks. wide, course W.
Top of ridge, extends E. and W.
Set a porphyry stone, 21 X 10 X 6 ins., in mound of
stone, for cor. of secs. 10, 11, 14 and 15, marked
with 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, 16 ins. diam., brs. N. 39° E., 170 lks.
dist., marked T 9 N R 14 E S 11 B T
An oak, 18 ins. diam., brs. S. 42 $\frac{1}{2}$ ° E., 132 $\frac{1}{2}$ lks.
dist., marked T 9 N R 14 E S 14 B T.
A juniper, 48 ins. diam., brs. S. 17 $\frac{1}{2}$ ° W., 115 lks.
dist., marked T 9 N R 14 E S 15 B T.
An oak, 14 ins. diam., brs. N. 7 $\frac{1}{2}$ ° W., 51 lks. dist.,
marked T 9 N R 14 E S 10 B T.
Land, mountainous.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, juniper, pine, oak and pinon; undergrowth,
oak and manzanita.
Mountainous land, heavily timbered and covered with
dense undergrowth, exceptionally difficult to survey,
80.00 chs.

September 2, 1907.

40.00
80.03

34.50
40.015

September 3, 1907. At 7h a.m., l.m.t., I set off 7° 53' N
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. 10, 11, 14 and 15.
Thence I run,
N. 89° 59' E., on a random line bet. secs. 11 and 14.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect the N. and S. line at a point 8 lks. N. of
cor. of secs. 11, 12, 13 and 14.
Thence I run,
N. 89° 59' W. on a true line bet. secs. 11 and 14.
Over gently rolling mesa, covered with heavy timber
and oak brush.
Begin descent from mesa.
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, from which
An oak, 9 ins. diam., brs. N. 19° E., 92 lks. dist.,
marked $\frac{1}{4}$ S 11 B T.
A juniper, 34 ins. diam., brs. S. 36° W., 149 lks.
dist., marked $\frac{1}{4}$ S 14 B T.

chains 53.55	Gulch, 30 lks. wide, course Nw., thence W and SSW., ascend.
75.00	Top of ridge, extends E. and W.
80.03	The cor. of secs. 10, 11 14 and 15. Land, mountainous and gently rolling. Soil, gravelly and stony; 2nd, 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak, pine and mesquite. Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 40.015 chs.

	N. 0° 1' W., bet. secs. 10 and 11. Over mountainous land, descending through heavy timber and dense brush.
22.15	Dry wash, or gulch, 40 lks. wide, course W. and SW. ascend.
40.00	Set a porphyry stone, 18 X 12 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. An oak, 12 ins. diam., brs. N. 40° E., 69 $\frac{1}{2}$ lks. dist., marked $\frac{1}{4}$ S 11 B T. A juniper, 20 ins. diam., brs. S 56° W., 47 lks. dist., marked $\frac{1}{4}$ S 10 B T.
44.70	Top of ridge, extends N. and S., thence along top.
46.57	Pine, 24 ins. diam., on line.
77.00	Descend.
80.00	Point for cor. of secs. 2, 3, 10 and 11 falls on quartz stone in place, 2 X 2 X 2 ft. above ground, which I mark with a cross for exact sec. cor. point with 5 grooves S. of cross and 2 grooves E. of cross, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. A pinon, 12 ins. diam., brs. N. 62 $\frac{1}{2}$ ° E., 81 lks. dist., marked T 9 N R 14 E S 2 B T. A juniper, 30 ins. diam., brs. S. 7° E., 36 lks. dist., marked T 9 N R 14 E S 11 B T. A juniper, 40 ins. diam., brs. S. 67 $\frac{1}{2}$ ° W., 104 lks. dist., marked T 9 N R 14 E S 10 B T. A juniper, 24 ins. diam., brs. N. 39 $\frac{1}{2}$ ° W., 23 lks. dist., marked T 9 N R 14 E S 3 B T. Land, mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita, buck brush and mezcal. Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs. September 3: At noon, I set off 7° 47' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 34° 09' N.

40.00	S. 89° 59' E. on a random line bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor.
80.09	Intersect the N. and S. line at a point 19 lks. S. of cor. of secs. 1, 2, 11 and 12. Thence $\frac{1}{4}$ run, S. 89° 51' W. on a true line bet. secs. 2 and 11. Along the N. slope of Crough mesa, through heavy timber and dense brush.
37.00	Spur, extends N., from mesa; descend.
40.045	Set a granite-porphry stone, 18 X 8 X 8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

BOOK 2115

chains

63.65 A pine, 24 ins. diam., brs. S. 34 $\frac{1}{2}$ ° E., 94 lks. dist. marked $\frac{1}{4}$ S 11 B T.
 72.45 A juniper, 30 ins. diam., brs. N. 60° W., 24 lks. dist., marked $\frac{1}{4}$ S 2 B T
 77.00 Dry wash, 10 lks. wide, course NE., ascend.
 80.09 Spur, extends NNE., descend through dense brush. Head of gulch, course NNW., ascend. Top of ridge, extends N. and S. The cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, gravelly, sandy and stony and rocky; 2nd, 3rd and 4th rate. Timber, pine, oak, juniper and pinon; undergrowth, oak, pine, buck brush and mezcal. Mountainous land, or land heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 80.09 chs.

September 3, 1907.

 40.00 September 4; At 7h a.m., 1.m.t., I set off 7° 31' 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, N. 0° 1' W. on a random line bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect the N. Bdy. of Tp. at a point 7 lks. E. of cor. of secs. 2, 3, 34 and 35. Thence I run, S. 0° 4' E., on a true line bet. secs. 2 and 3. Over mountainous land, descending through scattering timber and dense brush.
 13.70 Gulch, 40 lks. wide, course W., running water; enter heavy timber and begin steep ascent.
 39.94 Set a quartz stone 21 X 10 X 7 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. An oak, 20 ins. diam., brs. S. 76 $\frac{1}{2}$ ° E., 50 lks. dist., marked $\frac{1}{4}$ S 2 B T. A juniper, 9 ins. diam., brs. N. 80° W., 174 lks. dist., marked $\frac{1}{4}$ S 3 B T.
 56.70 Top of ridge, extends NW. and SE., leave timber.
 57.50 Old mezcal pit on line.
 60.00 Descend, leave dense brush.
 70.10 Gulch, 15 lks. wide, course W., reenter heavy timber.
 72.50 Gulch, 15 lks. wide, course NW., ascend steeply.
 79.94 The cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, gravelly and stony and rocky; 3rd and 4th rate Timber, pine, juniper, oak and pinon; undergrowth, oak, manzanita, buck brush and mezcal. Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 79.94 chs.

From the cor. of secs. 3, 4, 33 and 34, as recently established by Deputy Marcy on the South Boundary of the township,

I run,
N. 0° 2' W. bet. secs. 33 and 34.
Over nearly level land, through oak timber.

Subdivision of Township 9 North, Range 14 East.

chains	
5.45	Trail from Young to Ellison Ranch, brs. SE. and NW.
7.00	Begin ascent over rolling land.
39.60	Dry wash, 20 lks. wide, course 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
	An oak, 6 ins. diam., brs. S. 86° E., 126 lks. dist. marked $\frac{1}{4}$ S 34 B T.
	An oak, 8 ins. diam., brs. N. 88 $\frac{1}{2}$ ° W., 51 lks. dist. marked $\frac{1}{4}$ S 33 B T.
45.50	Same wash, 15 lks. wide, course SW.
54.00	Ridge, extends NE., descend.
62.65	Dry wash, 40 lks. wide, course SW. and over rolling land.
72.00	Trail from Pleasant valley to Cibicu Creek, brs. NE. and SW., old road.
79.00	Dry wash, 15 lks. wide, course SW.
80.00	Set a sandstone, 18 X 6 X 6 ins., 12 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, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	An oak, 12 ins. diam., brs. S. 64 $\frac{1}{4}$ ° E., 77 lks. dist. marked T 9 N R 14 E S 34 B T.
	An oak, 12 ins. diam., brs. S. 13° W., 170 lks. dist., marked T 9 N R 14 E S 33 B T.
	No other trees available.
	Land, rolling and nearly level.
	Soil gravelly loam and gravelly; 2nd and 3rd rate.
	Timber, oak, juniper and cedar; undergrowth, oak.

	East, on a random line betl secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.95	Intersect the N. and S. line at a point 14 lks. N. of cor. of secs. 26, 27, 34 and 35.
	Thence 1 run,
	N. 89° 54' W. on a true line bet. secs. 27 and 34.
	Over mountainous land, ascending through scattering timber and oak brush.
7.00	Spur, extends SW., descend.
13.00	Dry wash, 15 lks. wide, course SW.
20.00	Spur, extends SW; descend.
21.20	Trail from Pleasant Valley to Cibicu Creek, brs. WSW. and ENE.
25.00	Same trail, brs. WSW. and ENE.
26.40	Dry wash, 20 lks. wide, course S., ascend.
33.00	Spur, extends S; descend.
35.25	Same trail, brs. WNW. and ESE.
39.975	Set a quartz 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, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	A juniper, 24 ins. diam., brs. north, 118 lks. dist. marked $\frac{1}{4}$ S 27 B T.
	No other tree available.
52.50	Dry wash, 20 lks. wide, course S., ascend.
54.00	Spur, extends S., descend.
68.00	Same trail, brs. SW. and NE., and old road.
69.00	Dry wash, 20 lks. wide, course SW., enter gently rolling land.
79.95	The cor. of secs. 27, 28, 33 and 34.
	Land, mountainous and gently rolling.

BOOK 2115

chains

Soil, gravelly; 3rd rate.
 Timber scattering juniper and oak; undergrowth, oak.
 Mountainous land, covered with heavy timber and undergrowth
 exceptionally difficult to survey, 79.95 chs.
 September 4: At noon, I set off 7° 25' N. on the decl.
 arc, and observe the sun on the meridian; the resulting
 lat. is 34° 05' N.

- 4.00 N. 0° 2' W. bet. secs. 27 and 28.
- 11.00 Over rolling land, through scattering oak timber.
- 14.00 Enter dense oak brush, extends E. and W.
- 21.40 Dry wash, 20 lks. wide, course SW.
- 34.20 Dry wash, 20 lks. wide, course SW.
- 39.10 Dry wash, 20 lks. wide, course SW.
- Set a sandstone, 18 X 8 X 6 ins., 12 ins. in the ground,
 for witness cor. to 1/4 sec. cor., marked W C 1/4 on W. face,
 from which
 - A juniper, 24 ins. diam., brs. S. 58 1/2° E., 93 lks.
 dist., marked 1/4 S 27 W C B T.
 - A pinon, 14 ins. diam. brs. S. 30° W., 76 lks. dist.,
 marked 1/4 S 28 W C B T.
- 40.00 Point for 1/4 sec. cor. falls on bank of wash, impracti-
 cable to establish.
- 41.40 Dry wash, 30 lks. wide, course SSW., ascend steeper slope.
- 47.00 Leave dense brush, extends E. and W.
- 63.00 Top of spur, extends W., from Crouch Mountain.
- 67.00 Descend.
- 80.00 Set a sandstone, 18 X 8 X 6 ins., 12 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, 36 ins. diam., brs. S. 55° W., 129 lks.
 dist., marked T 9 N R 14 E S 28 B T,
 - An oak, 18 ins. diam., brs. N. 75° W., 118 lks. dist.,
 marked T 9 N R 14 E S 21 B T.

No other trees available.
 Land, rolling and mountainous.
 Soil, gravelly and stony; 3rd and 4th rate.
 Timber, oak, cedar, juniper and pinon; undergrowth, oak.
 tesotilla and manzanita.
 Mountainous land, or land covered with dense undergrowth,
 exceptionally difficult to survey, 76.00 chs.

- 40.00 S. 89° 54' E. on a random line bet. secs. 22 and 27.
- 79 94 Set temp. 1/4 sec. cor.
- Intersect the N. and S. line at a point 8 lks. S. of cor.
 of secs. 22, 23, 26 and 27.
- Thence I run,
- N. 89° 57' W. on a true line bet. secs. 22 and 27.
- Along the S. slope of Crouch Mountain through juniper and
 oak timber.
- 29.00 Begin steep descent through dense oak brush, extends N. a
 and S.
- 39.97 Set a granite porphyry stone, 21 X 8 X 6 ins., in mound of
 stone, for 1/4 sec. cor., marked 1/4 on N. face, and raise
 a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.,
 Pits impracticable.
- 48.00 Leave dense brush, extends NW. and SE.
- 79.94 The cor. of secs. 21, 22, 27 and 28, 800 feet below top
 of Mt.

Land, mountainous.
 Soil, gravelly and stony 3rd and 4th rate.
 Timber, oak and juniper; undergrowth, oak, mezcal and
 nopal cactus.
 Mountainous land, covered with dense undergrowth, ex-
 ceptionally difficult to survey, 79.94 chs.

September 4, 1907.

chains	
	September 5, 1907; At 7h. a.m., 1.m.t. I set off
	7° 9' N. on the decl. arc, and 34° 06' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 21, 22, 27 and 28.
	Thence I run,
	N. 0° 2' W., bet. secs. 21 and 22.
	Along the W. slope of spur; descending through oak timber and brush.
10.40	Dry wash, 20 lks. wide, course W.
21.75	Dry wash, 40 lks. wide, course SW.
25.00	Same wash, 40 lks. wide, course SSE., ascend.
28.60	Spur, extends SSW., descend.
32.00	Enter same wash, course SSW.
35.40	Leave wash, course S., ascend.
40.00	Set a sandstone, 18 X 12 X 5 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which
	An oak, 20 ins. diam., brs. N. 39° E., 35 lks. dist., marked $\frac{1}{4}$ S 22 B T.
	An oak, 12 ins. diam., brs. S. 36 $\frac{1}{2}$ ° W., 108 lks. dist., marked $\frac{1}{4}$ S 21 B T.
53.00	Ridge, extends NE. and SW.
59.00	Descend through heavy timber.
64.70	Dry wash, 15 lks. wide, course NW., ascend.
67.40	Spur, extends W., descend.
70.20	Dry wash, 20 lks. wide, course W., enter dense brush, ascend.
76.00	Top of ascend, extends E. and W., thence along W. slope of ridge.
80.00	Set a quartz stone, 21 X 8 X 8 ins., 16 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked 9 N on NE., and 14 S. on SE. face, with 3 notches on S. and E. edges, from which
	A juniper, 18 ins. diam., brs. N. 77 $\frac{1}{2}$ ° E., 25 lks. dist., marked T 9 N R 14 E S 15 B T.
	A pinon, 10 ins. diam., brs. S. 49° E., 108 lks. dist., marked T 9 N R 14 E S 22 B T.
	An oak, 12 ins. diam., brs. S. 1° W., 108 lks. dist., marked T 9 N R 14 E S 21 B T.
	An oak, 18 ins. diam., brs. N. 74 $\frac{1}{2}$ ° W., 116 lks. dist., marked T 9 N R 14 E S 16 B T.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, oak and juniper; undergrowth, oak.
	Mountainous land, heavily timbered and covered with dense oak undergrowth, exceptionally difficult to survey, 80.00 chs.
	September 5; At noon, I set off 7° 3' N. on the decl arc, and observe the sun on the meridian; the resulting lat. is 34° 07' N.

40.00	S. 89° 57' E. on a random line bet. secs. 15 and 22.
79.96	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line at a point 24 lks. S. of cor. of secs. 14, 15, 22 and 23.
	Thence I run,
	S. 89° 53' W. on a true line bet. secs. 15 and 22.
	Over mountainous land, ascending through heavy timber and dense brush.
8.70	Top of spur, extends N. from Crouch Mt.
14.00	Began steep descent.
20.00	Leave heavy timber, extends NE. and SW.
39.20	Gulch, 20 lks. wide, course S., ascend.
39.98	Set a quartz-porphry 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 pine, 18 ins. diam., brs. N. 79° E., 151 lks. dist., marked $\frac{1}{4}$ S 15 B T.
	An oak, 6 ins. diam., brs. S. 5 $\frac{1}{2}$ ° E., 52 lks. dist., marked $\frac{1}{4}$ S 22 B T.

16
BOOK 215 134

chains

51.00
54.90
67.00
79.96

Sharp ridge, extends N. and S., descend.
Gulch, 20 lks. wide, course S., ascend.
Ridge, extends N. and S., descend through heavy timber.
The cor. of secs. 15, 16, 21 and 22.
Land, mountainous.
Soil gravelly, stony and rocky; 3rd and 4th rate.
Timber, oak, juniper and pine; undergrowth, oak, manzanita, buck brush and mezcal.
Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 79.96 chs.

September 5, 1907.

September 6, 1907. At 7h A.M., l.m.t., I set off 6° 47' 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. 15, 16, 21 and 22.

Thence I run,

N. 0° 2' W., bet. secs. 15 and 16.

Over mountainous land, along W. slope of ridge, through oak timber and dense brush.

20.00

Ascend

28.00

Spur, extends W., descend.

36.00

Dry wash, 15 lks. wide, course SW., ascend.

40.00

Set a quartz 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.

An oak, 14 ins. diam., brs. S. 51 $\frac{1}{2}$ ° E., 46 lks. dist., marked $\frac{1}{4}$ S 15 B T.

An oak, 20 ins. diam., brs. N. 46 $\frac{1}{2}$ ° W., 58 lks. dist., marked $\frac{1}{4}$ S 16 B T.

69.70

Ridge, extends WSW. and ENE., descend.

79.00

Dry wash, 30 lks. wide, course W., thence SW., enter broken ground.

80.00

Set a porphyry stone, 18 X 14 X 8 ins., 12 ins. in the ground, for cor. of secs. 9, 10, 15 and 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 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

A juniper, 24 ins. diam., brs. S. 37° E., 180 lks. dist., marked T 9 N R 14 E S 15 B T.

A juniper, 18 ins. diam., brs. S. 20° W., 241 lks. dist., marked T 9 N R 14 E S 16 B T.

No other trees available.

Land, mountainous and broken.

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

Timber, oak, juniper and pinon; undergrowth, oak, manzanita, and buck brush.

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

N. 89° 53' E. on a random line bet. secs. 10 and 15.

40.00

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

79.90

Intersect the N. and S. line at a point 3 lks. N. of cor. of secs. 10, 11, 14 and 15.

Thence I run,

S. 89° 54' W., on a true line bet. secs. 10 and 15.

Over mountainous land, along the N. slope of ridge, through heavy timber and dense oak brush.

5.30

Descend.

24.35

Gulch, 40 lks wide, course SSW.

27.00

Leave dense brush, ascend steep slope.

39.95

Set a quartz-porphry stone, 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, 10 ins. diam., brs. N. $22\frac{1}{2}^{\circ}$ E., 79 lks. dist., marked $\frac{1}{4}$ S 10 B T.
	a juniper, 44 ins. diam., brs. S. 74° W., 60 lks. dist., marked $\frac{1}{4}$ S 15 B T.
50.00	Top of S. slope of butte on ridge, brs. N. and S., descend steep slope through dense brush.
68.00	Foot of steep descent; enter broken ground.
79.90	The cor. of secs. 9, 10, 15 and 16. Land, mountainous and broken. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita, buck brush and mezcal. Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 79.90 chs. September 6; At noon, I set off $6^{\circ} 41'$ N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is $34^{\circ} 03'$ N.
	----- N. $0^{\circ} 2'$ W., bet. secs. 9 and 10. Over broken ground, through scattering timber and dense oak brush.
12.55	Dry wash, 20 lks. wide, course W.
26.80	Dry wash, 20 lks. wide, course W., ascend.
21.00	Ridge, extends E. and W., descend.
36.20	Dry wash, 20 lks. wide, course NNW., enter broken ground.
38.35	Dry wash, 20 lks. wide, course W.
40.00	Set a quartz-porphry 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, 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 S. $75\frac{1}{2}^{\circ}$ E., 122 lks. dist., marked $\frac{1}{4}$ S 10 B T. A juniper, 20 ins. diam., brs. N. 51° W., 42 lks. dist., marked $\frac{1}{4}$ S 9 B T.
49.35	Dry wash, 30 lks. wide, course W., ascend.
74.50	Ridge, extends NE. and SW., descend.
80.00	Set a porphyry stone, 18 X 8 X 5 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. An oak, 12 ins. diam., brs. S. $17\frac{1}{2}^{\circ}$ E., 47 lks. dist., marked T 9 N R 14 E S 10 B T. A pinon, 12 ins. diam., brs. N. 40° W., 97 lks. dist., marked T 9 N R 14 E S 4 B T. No other trees available. Land, mountainous and broken. Soil, gravelly and stony; 3rd and 4th rate. Timber, juniper, oak and pinon; undergrowth, oak and manzanita. Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs. September 6, 1907.
	----- September 7, 1907. At 7h a.m., l.m.t., I set off $6^{\circ} 24'$ N. on the decl. arc, and $34^{\circ} 09'$ N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 3, 4, 9. and 10. Thence I run, N. $89^{\circ} 54'$ E. on a random line bet. secs. 3 and 10. Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. and S. line at a point 30 lks. N of cor. of secs. 2, 3, 10 and 11. Thence I run, N. $89^{\circ} 53'$ W. on a true line bet. secs. 3 and 10. Over mountainous land, descending through scattering timber and dense brush.
40.00	
79.94	

BOOK 2115

chains
 34.00
 39.97

 44.40
 46.00
 58.65
 71.00
 79.94

 40.00
 79.98

 4.75
 10.00
 12.45
 21.00
 22.00
 39.98

 42.00
 47.00
 56.50
 71.25
 79.98

 6.00
 18.30
 26.00

 34.00
 40.00

 55.00
 57.00

Dry wash, 30 lks. wide, ascend.
 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, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 Spur, extends SW.
 Descend.
 Dry wash, 20 lks. wide, course SW., ascend.
 Ridge, extends NE. and SW., thence along N. slope.
 The cor. of secs. 3, 4, 9 and 10.
 Land, mountainous.
 Soil, gravelly, stony and rocky; 4th rate.
 Timber, scattering oak, juniper, pine and pinon; undergrowth, oak, manzanita, buck brush and mezcal.
 Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 79.94 chs.
 September 7: At noon, I set off $6^{\circ} 18' W.$ on the decl. arc, and observe the sun on the meridian; the resulting lat. is $34^{\circ} 09' N.$

 N. $0^{\circ} 2' W.$ on a random line bet. secs. 3 and 4.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect the N. Bdy. of Tp. at a point 14 lks. W. of cor. of secs. 3, 4, 33 and 34.
 Thence I run,
 S. $0^{\circ} 4' W.$, on a true line bet. secs. 3 and 4.
 Over mountainous land, ascending steeply through scattering timber and dense brush.
 Ridge, extends WSW and ENE., descend.
 Foot of descend, extends ENE. and WSW.
 Road from Pleasant Valley to Holbrook, brs. E. and W.
 Fork of Cherry Creek, dry, 30 lks. wide, course W.
 Ascend, brs. E. and W.
 Set a quartz stone, 18 X 14 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.
 Spur, extends W., descend.
 Dry wash, 20 lks. wide, course W., ascend.
 W. end of ridge; descend.
 Dry wash, 20 lks. wide, course W., ascend
 The cor. of secs. 3, 4, 9 and 10.
 Land, mountainous and nearly level.
 Soil, gravelly, stony and rocky; 3rd and 4th rate.
 Timber, pine, oak, and juniper; undergrowth, oak, manzanita and buck brush.
 Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 79.98 chs.
 September 7, 1907.

 September 8, 1907. At 7h a.m. l.m.t., I set off $6^{\circ} 02' N.$ on the decl. arc, and $34^{\circ} 05' N.$ on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 4, 5, 32 and 33 as recently established by Deputy Marcy, on the S. bdy. of Tp. Thence I run,
 N. $0^{\circ} 2' W.$, bet. secs. 32 and 33.
 Over mountainous land, descending.
 Enter oak and juniper timber, extends E. and W.
 Dry wash, 20 lks. wide, course E., ascend.
 Top, and along the W. slope of ridge, extending NNE. and SSW.
 Enter dense oak brush, extends NE. and SW.
 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
 An oak, 7 ins. diam., brs. N. $63\frac{1}{2}^{\circ} E.$, 102 lks. dist., marked $\frac{1}{4}$ S 33 B T.
 An oak, 9 ins. diam., brs. N. $17\frac{1}{2}^{\circ} W.$, 31 lks. dist., marked $\frac{1}{4}$ S 32 B T.
 Descend steep slope.
 Descend abruptly 60 feet.

chains	
58.70	Cherry Creek, 80 lks. wide, running water, course ESE. Ascend steeply.
61.40	Jesse C Ellison ranch house, brs. E. 16.00 chs. dist.
63.40	Ridge, extends Nw. and SE., Barn, 16 Chs. E., descend.
71.35	Road, brs. NW. and Se., enter gently rolling land.
80.00	Set a quartz stone, 21 X 8 X 8 ins., 12 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 A walnut, 9 ins. diam., brs. N. 67 $\frac{1}{2}$ ° E., 195 lks. dist., marked T 9 N R 14 E S 28 B T. An oak, 16 ins. diam., brs. S. 51° E., 145 lks. dist., marked T 9 N R 14 E S 33 B T. An oak, 18 ins. diam., brs. S. 47° W., 183 lks. dist., marked T 9 N R 14 E S 32 B T. An oak, 9 ins. diam. brs. N. 84 $\frac{1}{2}$ ° W., 119 lks. dist., marked T 9 N R 14 E S 29 B T. Land, mountainous and gently rolling. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, oak, juniper and pinon; undergrowth, oak. Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.

40.00	East, on a random line bet. secs. 28 and 33.
79.96	Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. and S. line at a point 4 lks. S. of cor. of secs. 27, 28, 33 and 34. Thence I run, S 89° 58' W., on a true line bet. secs. 28 and 33. Descending over rolling land, through scattering oak timber/
24.50	Dry wash, 30 lks. wide, course SW.
37.25	Dry wash, 20 lks. wide, course S.
39.98	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 N. face, dig pits, 18 X 18 X 12 ins., E. and W. of stone, $\frac{3}{4}$ ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, $\frac{1}{2}$ ft. high, N. of cor. An oak, 40 ins. diam., brs. S. 54° E., 205 lks. dist., marked $\frac{1}{4}$ S 33 B T.
62.00	No other tree available.
68.00	Ascend.
78.00	Ridge, extends N. and S., descend steeply.
79.96	Dry wash, 30 lks. wide, course SSE., enter gently rolling land. The cor. of secs. 28, 29, 32 and 33. Land, rolling and mountainous. Soil, sandy and gravelly loam, stony and rocky; 2nd, 3rd and 4th rate. Timber, oak and juniper and walnut along wash; undergrowth oak and tesotilla. Mountainous land, 16.00 chs. September 8; at noon, I set off 5° 56' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 05' N.

34.00	N. 0° 2' W., bet. secs. 28 and 29.
40.00	Ascending over rolling ground. Low ridge, extends E. and W. Set a sandstone, 18 X 8 X 5 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	Dry wash, 15 lks. wide, course NW.
76.90	Dry wash, 15 lks. wide, course NW.
80.00	Point for cor. of secs. 20, 21, 28 and 29 falls in dry wash, 15 lks. wide, course W.
80.50	Set a sandstone, 18 X 10 X 5 ins., 12 ins. in the ground, for witness cor. to cor. of secs. 20, 21, 28 and 29, marked with W C and 2 notches on the S. and 5 notches on the N edge, and raise a mound of stone.

70 135.

Subdivision of Township 9 North, Range 14 East.

BOOK 2115

chains

2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

An oak, 24 ins. diam., brs. N. 68 3/4° E., 55 lks. dist., marked T 9 N R 14 E S 21 B T.

No other trees available.

Land, heavily rolling.

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

Timber, scattering oak; undergrowth. oak.

N. 89° 58' E. on a random line bet. secs. 21 and 28, from cor. point.

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect the N. and S. line at a point 3 lks. S. of cor. of secs. 21, 22, 27 and 28.

Thence I run,

S. 89° 57' W., on a true line bet. secs. 21 and 28.

Over mountainous land, descending through oak timber and brush.

5.00 Enter heavy timber and dense brush, extends N. and S.

11.00 Foot, extends N. and S.

20.80 Dry wash, 40 lks. wide, course SSW., leave heavy timber, ascend.

29.00 Spur, extends S., descend.

33.40 Dry wash, 20 lks. wide, course S., asc end.

35.00 Leave dense brush, extends N. and S.

39.96 Set a quartz stone, 21 X 6 X 6 ins., 16 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.

51.00 Ridge, extends N. and S., descend over rolling ground.

79.92 The cor. point of secs 20, 21, 28 and 29.

Land, mountainous, rolling and nearly level.

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

Timber, oak and juniper; undergrowth, oak.

Mountainous land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 51.00 chs.

September 8, 1907.

September 9, 1907. At 7h a.m., l.m.t., I set off 5° 39' N. on the decl. arc, and 34° 06' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence I run,

N. 0° 2' W. bet. secs 20 and 21, from cor. point. Over rolling land, through scattering oak timber.

36.20 Dry wash, 30 lks. wide, course W.

40.00 Set a sandstone, 18 X 6 X 6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, from which

An oak, 20 ins. diam., brs. S. 5 1/4° E. 213 lks. dist., marked 1/4 S 21 B T.

An oak, 6 ins. diam., brs. S 65 1/2° W. 206 lks. dist., marked 1/4 S 20 B T.

66.00 Enter Cherry Creek bottom and heavy walnut timber, extending NNE. and SSW.

69.00 Dry wash, 30 lks. wide, course W.

74.00 Leave heavy timber, extends ENE and WSW.

80.00 Set a granite stone, 21 X 8 X 8 ins., 16 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, dig pits, 18 X 18 X 12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

A walnut, 16 ins. diam., brs. S. 45 1/2° W., 333 lks. dist., marked T 9 N R 14 E S 20 B T.

A walnut, 18 ins. diam., brs. N. 74 1/4° W., 208 lks. dist., marked T 9 N R 14 E S 17 B T.

No other trees available!

chains	Land, rolling and level. Soil, Rich and sandy loam and gravelly; 1st, 2nd, 3rd rate. Timber, walnut and oak. Land, heavily timbered 80.00 chs.
40.00	N. 89° 57' E. on a random line bet. secs. 16 and 21.
79.89	Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. and S. line at a point 3 lks. S of cor. of secs. 15, 16, 21 and 22. Thence I run, S. 89° 56' W. on a true line bet. secs. 16 and 21. Over mountainous land, descending through oak timber and juniper; and dense oak brush.
27.00	Dry wash, 20 lks. wide, course NW. ascend.
36.00	Spur, extends NW., descend.
39.945	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, from which A juniper, 40 ins. diam., brs. S. 17 $\frac{1}{2}$ ° E., 78 lks. dist., marked $\frac{1}{4}$ S 21 B T. An oak, 20 ins. diam., brs. N. 49 $\frac{1}{2}$ ° W., 61 lks. dist., marked $\frac{1}{4}$ S 16 B T.
43.40	Foot, extends NE. and S W.
44.40	Dry wash, 30 lks. wide, course SW.
46.00	Dry wash, 15 lks. wide, course S.
48.00	Leave heavy timber and dense brush; ascend.
57.00	Ridge, extends NNE. and SSW., descend.
67.60	Enter heavy timber, extends N. and S.
73 70	Leave heavy timber, extends NE. and SW., enter Cherry Creek bottom, brs. N. and S.
79.89	The cor. of secs. 16, 17, 20 and 21. Land, mountainous and level. Soil, rich and sandy loam; gravelly and stony; 1st, 2nd, 3rd and 4th rate. Timber, oak, juniper and walnut; undergrowth, oak, Mountainous land, heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 73.70 chs. September 9, 1907. At noon, I set off 5° 33' E. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 07' N.
16.60	N. 0° 2' W. bet. secs. 16 and 17. Over level bottom land, through heavy timber. Cherry Creek, 140 lks. wide, course SW., small running stream.
28.55	Road, brs. NE. and SW.
29.25	Rail fence, brs. NE. and SW., leave timber; enter corn field.
37.40	Barn, brs. E. 1.00 ch. dist.
39.00	Roland Sexton's ranch house, brs. E. 3.00 chs. dist.
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, 12 ins. diam., brs. S. 37 $\frac{1}{2}$ ° E., 327 lks. dist., marked $\frac{1}{4}$ S 16 B T. A willow 12 ins. diam., brs. N. 16° W., 210 lks. dist., marked $\frac{1}{4}$ S 17 B T.
42.30	Stockade fence brs. ENE. and WSW., leave corn field.
49.00	Loins Neglins' house, etc., brs. E. 16.00 chs. dist.
52.15	Road from Pleasant Valley to Holbrook, brs. NE. and SW.
69.05	Dry wash, 15 lks. wide, course SE.
72.35	Dry wash, 15 lks. wide, course E., leave bottom and begin ascent along E. slope of high mesa.
80.00	Set a quartz stone, 18 X 8 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, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level and gently rolling. Soil, rich loam, sandy and gravelly; 1st, 2nd, 3rd rate. Timber, cottonwood, sycamore, walnut, water elder. Land heavily timbered 29.25 chs.

22
137
BOOK 2115

Subdivision of Township 9 North, Range 14 East.

chains

40.00

79.94

N. 89° 56' E., on a random line bet. secs. 9 and 16.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect the N. and S. line at a point 24 lks. N. of cor. of secs. 9, 10, 15 and 16.

Thence I run,
N. 89° 54' W., on a true line bet. secs. 9 and 16.
Descending over bottom ground through scattering timber and dense brush.

6.10

21.70

Dry wash, 20 lks. wide, course SW., ascend.
Ridge, extends N. and S., thence along S. slope of spur, extending W.

32.60

39.97

Descend.
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 N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

A pine, 12 ins. diam., brs. N. 24 $\frac{1}{2}$ ° E., 90 lks. dist., marked T 9 N R 14 E S 9 B T.

A juniper, 30 ins. diam., brs. S. 8 $\frac{1}{2}$ ° E., 42 lks. dist., marked $\frac{1}{4}$ S 16 B T.

50.00

Enter Cherry Creek bottom and heavy timber, extends N. and S.

57.65

62.60

Road from Pleasant Valley to Holbrook, brs. N. and S. Cherry Creek, dry, 80 lks. wide, course S., leave dense brush.

66.45

Road from Pleasant Valley to Holbrook, brs. ENE. and WSW.

68.00

74.00

79.94

Leave heavy timber, extends N. and S.
Leave bottom, brs. NNE. and SSW; ascend gradually.
The cor. of secs. 8, 9, 16 and 17.
Land, mountainous, level, broken and gently rolling.
Soil, sandy and gravelly loam, stony; 2nd, 3rd, and 4th rate.

Timber, oak, juniper, pine, sycamore, walnut and water elder; undergrowth, oak, manzanita and buck brush.

Mountainous land, or land heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 68.00 chs.

September 9, 1907.

September 10, 1907. At 7h a.m., l.m.t., I set off 5° 17' N. 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.
Ascending along E. slope of mesa, over spurs, ex. E. Spur, extends E. descend.

8.00

10.60

13.45

26.00

34.65

35.70

40.00

Enter oak timber and brush, extends E. and W.
Dry wash, 20 lks. wide, course E., ascend.
Spur, extends E., descend through heavy oak timber.
Dry wash, 25 lks. wide, course E., ascend steeply.
Leave heavy timber, extends E. and W.
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, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

42.00

51.70

60.00

70.60

76.00

80:00

Spur, xtends E., descend.
Dry wash, 20 lks. wide, course E., ascend.
Spur, extends E., descend.
Dry wash, 15 lks. wide, course E., ascend.
Enter heavy oak timber; extends E. and W.
Set a sandstone, 18 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked with 5 notches on the $\frac{1}{4}$ 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.

S

chains

An oak, 14 ins. diam., brs. N. 29° E., 92 lks. dist., marked T 9 N R 14 E S 4, B T.
 An oak, 12 ins. diam., brs. S. 60½° E., 67½ lks. dist., marked T 9 N R 14 E S 9 B T.
 An oak, 22 lks. diam., brs. S. 23° W., 75 lks. dist., marked T 9 N R 14 E S 8 B T.
 A juniper, 40 lks. diam., brs. N. 45½° W., 85 lks. dist., marked T 9 N R 14 E S 5 B T.

Land, mountainous.
 Soil, gravelly and stony; 3rd and 4th rate.
 Timber, oak and scattering juniper; undergrowth, oak and mezcal.
 Mountainous land, heavily timbered, exceptionally difficult to survey, 80.00 chs.

September 10, 1907

 September 11, 1907. At 7h a.m., l.m.t., I set off 4° 54' 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. 4, 5, 8 and 9.

40.00
79.96

Thence I run, S. 89° 54' E., on a random line bet. secs. 4 and 9. Set temp; ¼ sec. cor. Intersect the N. and S. line at a point 12 lks. N. of cor. of secs. 3, 4, 9 and 10.

12.00
35.80

Thence I run, N. 89° 49' W. on a true line bet. secs. 4 and 9. Over mountainous land, along N. slope of spur, through juniper and pinon timber and dense brush.

36.50
39.98

Begin descent from slope of spur. Enter Cherry Creek bottom and heavy timber, extends N. and S., leave dense brush. Road from Pleasant Valley to Holbrook, brs. N. and S. Set a sandstone, 21 X 8 X 6 ins., 16 ins. in the ground, for ¼ sec. cor., marked on N. face, from which

43.30
52.20
54.70
68.00
78.00
79.96

A sycamore, 10 ins. diam., brs. S. 59° W., 150 lks. dist., marked ¼ S 9 B T.
 A sycamore, 8 ins. diam., brs. N. 45½° W., 100 lks. dist., marked ¼ S 4 B T.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Cherry Creek, 160 lks. wide, course S., dry. Leave bottom, extends N. and S., ascend. Leave heavy timber, extends N. and S. Reenter heavy timber, extends NW. and SE. Dry wash, 15 lks. wide, course SE. The cor. of secs. 4, 5, 8 and 9.

Land, mountainous and level.
 Soil, sandy and gravelly and stony; 2nd, 3rd and 4th rate.
 Timber, oak, pine, juniper pinon, sycamore, ash and walnut; undergrowth, oak, manzanita and pine.
 Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 79.96 chs.

September 11: At noon, I set off 4° 48' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 09' N.

40.00
79.87

 N. 0° 2' W. of a random line bet. secs. 4 and 5. Set a temp. ¼ sec. cor. Intersect the N. bdy. of tp. at a point 7 lks. W. of cor. of secs. 4, 5, 32 and 33.

28.00

Thence I run, S. 0° 1' W. on a true line bet. secs. 4 and 5. Over level mesa. Begin descent through oak timber and brush, extends E. and W.

Subdivision of Township 9 North, Range 14 East.

74
139
BOOK 2115

chains

38.89

Set a porphyry stone, 18 X 8 X 6 ins., 12 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked W C $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

An oak, 14 ins. diam., brs. S. 23° E., 101 lks. dist., marked W C $\frac{1}{4}$ S 4 B T.

An oak, 18 ins. diam., brs. N. 89 $\frac{1}{2}$ ° W., 45 lks. dist., marked W C $\frac{1}{4}$ S 5 B T.

39.89

Point for $\frac{1}{4}$ sec. cor. falls in dry wash, 30 lks. wide, course SE.

40.80

Dry wash, 30 lks. wide, course E., ascend.

51.25

Top of spur of mesa. extends E.

53.00

Descend.

65.50

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

76.00

Spur of mesa, extends E., descend through heavy oak timber.

79.89

The cor. of secs. 4, 5, 8 and 9.

Land, mountainous and level.

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

Timber, oak and juniper; undergrowth, oak.

Mountainous land, heavily timbered, exceptionally difficult to survey, 51.89 chs.

September 11, 1907.

September 12, 1907. At 7h a.m., l.m.t., I set off 4° 31' 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. 5, 6, 31 and 32, as recently established by Deputy Marcy on the S. bdy. of the Tp.

Thence I run,

N. 0° 3' W. bet. secs. 31 and 32.

Over mountainous land, ascending through oak and pine timber and dense brush.

14.00

Top of NE. end of Spur, extends E., descend.

16.45

Wire fence, brs. SW. and NE., 2.00 chs., thence N. and S.

20.00

Enter heavy timber, extends NE. and SW.

34.00

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

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

An oak, 20 ins. diam., brs. N. 20 $\frac{1}{2}$ ° E., 72 lks. dist., marked $\frac{1}{4}$ S 32 B T.

An oak, 14 ins. diam., brs. S. 66 $\frac{1}{4}$ ° W., 74 lks. dist., marked $\frac{1}{4}$ S 31 B T.

56.00

Ridge, extends NE. and SW., descend.

59.80

Dry wash, 15 lks. wide, course NE., leave dense brush.

70.40

Dry wash, 40 lks. wide, course E., ascend.

72.65

Wire fence, brs. SE. and NW.

80.00

Set a sandstone, 18 X 6 X 6 ins., 12 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, from which

An oak, 18 ins. diam., brs. N. 17° E., 50 lks. dist., marked T 9 N R 14 E S 29 B T.

An oak, 24 ins. diam., brs. S. 51 $\frac{1}{4}$ ° E., 153 lks. dist., marked T 9 N R 14 E S 32 B T.

An oak, 12 ins. diam., brs. S. 61 $\frac{1}{4}$ ° W., 17 lks. dist., marked T 9 N R 14 E S 31 B T.

An oak, 6 ins. diam., brs. N. 63 $\frac{1}{4}$ ° W., 52 lks. dist., marked T 9 N R 14 E S 30 B T.

Land, mountainous.

Soil, gravelly and stony; 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.

Subdivision of Township 9 North, Range 14 East

chains	East, on a random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect the N. and S. line at a point 3 lks. S. of cor. of secs. 28, 29, 32 and 33.
	Thence I run,
	S. $89^{\circ} 59'$ W. on a true line bet. secs. 29 and 32.
9.60	Over gently rolling land, through scattering oak timber
21.80	Road, brs. NW. and SE.
	Dry wash, 15 lks. wide, course SSW., enter oak timber and dense brush.
30.00	Leave timber and brush, extends N. and S.
40.02	Set a sandstone, 18 X 6 X 6 ins., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
50.00	Cherry Creek, 60 lks. wide, running water, course S., thence SE; ascend.
50.75	Wire fence, extends N. and S.
64.00	Enter heavy timber and dense brush, extends N. and S.
71.30	Top, brs. NW and SE, leave dense brush and along S. slope of ridge.
80.04	The cor. of secs. 29, 30, 31 and 32.
	Land, gently rolling and mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, oak, juniper and pine; undergrowth, oak.
	Mountainous land, heavily timbered and covered with dense undergrowth, exceptionally difficult to survey, 38.24 chs.
	September 12; At noon, I set off $4^{\circ} 25'$ N. on the decl arc, and observe the sun on the meridian; the resulting lat. is $34^{\circ} 05'$ N;

	West, on a random line bet. secs 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect the W. Bdy. of Tp. at a point 3 lks. N. of cor. of secs. 25, 30, 31 and 36.
	Thence I run,
	N. $89^{\circ} 59'$ E. on a true line bet. secs. 30 and 31.
	Over mountainous land, descending through heavy timber and dense brush.
8.00	Dry wash, 60 lks. wide, course N.
16.00	Ascend.
26.30	Wire fence, brs. N. and S.
29.00	Spur, extends N., descend.
32.00	Dry wash, 15 lks. wide, course N., ascend.
37.00	Leave heavy timber and dense brush, extends N. and S.
39.90	Set a sandstone, 18 X 6 X 6 ins., in mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which
	An oak, 9 ins. diam., brs. N. $31\frac{1}{2}^{\circ}$ E., 141 lks. dist., marked $\frac{1}{4}$ S 30 B T.
	A juniper, 20 ins. diam., brs. S $0^{\circ} 30'$ W., 104 dist., marked $\frac{1}{4}$ S 31 B T.
40.60	Spur, extends N., descend.
43.50	Dry wash, 20 lks. wide, course N., ascend.
47.00	Spur, extends N., descend.
55.05	Dry wash, 20 lks. wide, course NE.
63.70	Wire fence, extends N. and S., 2 chs., thence SW.
65.80	Trail from Young to Spring Creek, brs. Ne. and SW.
69.00	Foot, and along S. slope of ridge.
75.20	Wire fence, extends SE. and NW.
79.90	The cor. of secs. 29, 30, 31 and 32.
	Land, mountainous and gently rolling.
	Soil, gravelly and stony; 3rd and 4th rate
	Timber, oak, juniper and pine; undergrowth, oak.
	Mountainous land, or land heavily timbered or covered with dense undergrowth, exceptionally difficult to survey, 79.90 chs.

76 147

Subdivision of Township 9 North, Range 14 East.

BOOK 2115

chains

5.00 Over mountainous land, ascending through heavy timber.
 38.00 Ridge, extends NW. and SE., descend.
 40000 Barn and sheds, brs. W. 12.00 chs. dist.
 Foot, enter valley, extends E. and W.,
 Set a quartz stone, 18 X 10 X 8 ins., 12 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from
 which
 An oak, 12 ins. diam., brs. N. $42\frac{1}{2}^{\circ}$ E., 132 lks.
 dist., marked $\frac{1}{4}$ S 29 B T.
 An oak, 14 ins. diam., brs. S. $22\frac{3}{4}^{\circ}$ W., 176 lks.
 dist., marked $\frac{1}{4}$ S 30 B T.
 Leave heavy timber and enter level land.
 40.15 Trail from Young to Spring Creek, brs. NE. and SW.
 40.30 Rail fence, brs. NE. and SW.
 41.25 Dry wash, 20 lks. wide, course NE.
 44.50 Road, brs. E. and W.
 46.00 Log corral, brs. W. 8.00 chs. dist.
 50.70 Wash, 60 lks. wide, course E., small stream in wash.
 52.00 George W. Hazelwood's ranch house, brs. W., 12.00 chs.
 57.00 Cliff Griffin's ranch house brs. E., 25 chs. dist.
 63.40 Wire fence, brs. NE. and SW.
 70.00 Spring, 40 lks. wide, course W.,
 70.35 Wire fence, brs. NW. and SE., enter lane.
 72.20 Rail fence, brs. NW. and SE., leave land. *l*
 73.25 Dry wash, 20 lks. wide, course SE.
 80.00 Set a sandstone, 18 X 10 X 6 ins., 12 ins. in the ground,
 for cor. of secs. 19, 20, 29 and 30, marked with
 2 notches on the S. and 5 notches on the E. edge,
 and dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft.
 dist., and raise a mound of earth, 2 ft. base, 2
 ft. high, W. of cor.
 A willow, 12 ins. diam., brs. S. $12\frac{1}{2}^{\circ}$ W., 343 lks.
 dist., marked T 9 N R 14 E S 30 B T.
 A cottonwood, 8 ins. diam., brs. N. 73° W., 287
 lks. dist., marked T 9 N R 14 E S 19 B T.
 No other trees available.
 Land, mountainous and level.
 Soil, rich and sandy loam and gravelly; 1st, 2nd, and
 3rd rate.
 Timber, oak and juniper; undergrowth; oak.
 Mountainous land, heavily timbered 40.00 chs.
 September 12, 1907.

 September 13, 1907. At 7h. a.m., l.m.t., I set off
 $4^{\circ} 08'$ N. on the decl. arc, and $34^{\circ} 06'$ N. 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. $89^{\circ} 59'$ E. on a true line bet. secs. 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect the N. and S. line at a point 2 lks. S. of
 cor. of secs. 20, 21, 28 and 29.
 Thence I run,
 S. $89^{\circ} 58'$ W., on a true line bet. secs. 20 and 29.
 Over gently rolling land, over N. side of wash.
 8.30 Dry wash, 20 lks. wide, course WNW., thence W.
 27.70 Enter bottom, brs. N. and S.
 36.00 Enter cottonwood and ash timber, extends N. and S.
 38.70 Channel of Cherry Creek, dry, 90 lks. wide, course SW.
 39.99 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 N. face,
 from which
 A cottonwood, 24 ins. diam., brs. N. 47° E., 72 lks
 dist., marked $\frac{1}{4}$ S 20 B T.
 An ash, 9 ins. diam., brs. S. $68\frac{3}{4}^{\circ}$ W., 189 lks.
 dist., marked $\frac{1}{4}$ S 29 B T.
 43.00 Channel of Cherry Creek, dry, 50 lks. wide, course S.

Subdivision of Township 9 North, Range 14 East.

chains	
48.00	Cherry Creek, 1.00 ch. wide, course S., leave bottom and timber; enter gently rolling land.
49.90	Road, brs. N. and S.
50.60	Wire fence brs. N. and S.
54.60	E. H. Gilland's ranch house, brs. N. 20 chs. dist.
57.90	Wire fence, brs. NW. and SE.
58.25	Dry wash, 15 lks. wide, course SE.
60.65	Road, brs. NW. and SE.
69.00	Graveyard, brs. N. 3.00 chs. dist.
69.75	Road, brs. NNW. and SSE.
73.17	Wire fence, brs. N. and S.
74.00	Dry wash, 25 lks. wide, course SSE.
79.98	The cor. of secs. 19, 20, 29 and 30. Land, gently rolling and level. Soil, sandy and gravelly loam and stony; 2nd, 3rd and 4th rate. Timber, walnut, ash and cottonwood; undergrowth, oak.

40.00	S. 89° 59' W. on a random line bet. secs. 19 and 30. Set temp. $\frac{1}{2}$ sec. cor.
79.88	Intersect the W. Bdy. of Tp. at a point 5 lks. N. of cor. of secs. 19, 24, 25 and 30. Thence I Run, N. 89° 57' E. on a true line bet. secs. 19 and 30. Over level land.
1.60	Trail, brs. NE. and SW.
9.60	Dry wash, 40 lks. wide, course SE
16.40	Wire fence, brs. N. and S.
39.88	Set a granite stone, 18 X 8 X 8 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, $3\frac{1}{2}$ X $1\frac{1}{2}$ ft. high. N. of cor.
51.30	Wire fence, brs. SSW. and NNE.
56.15	Wire fence, brs. SE. and NW.
68.00	Geo. W. Hazelwood's ranch house and outbuildings, brs. S. about 25.00 chs. dist.
69.50	Rail fence, brs. SSE. and NNW., enter corn patch.
79.88	The cor. of secs. 19, 20, 29 and 30. Land, level and gently rolling. Soil, rich and gravelly loam; 1st, 2nd, and 3rd rate. No timber. September 13: At noon, I set off 4° 02' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 06' N.

	N. 0° 3' W., bet. secs. 19 and 20. Over level land.
6.50	Dry wash, 45 lks. wide, course SE.
7.30	Wire fence, brs. SE. and NW., thence over gently rolling land; ascending gradually.
17.00	Road, brs. SE. and NW., E. H. Gilland's ranch house brs. E., 25 chs. dist.
19.00	Same road, brs. SW. and NE.
26.00	Same road, brs. SE. and NW.
28.00	Barn, brs. W., 16.00 chs. dist.
28.65	Wire fence, brs. E. and W.
32.00	Ola Young's ranch house, post office and store br. W., 16 chs. dist.
34.50	Dry wash, 15 lks. wide, course SSE.
37.00	Same wash, 15 lks. wide, course SSW.
40.00	Point for $\frac{1}{4}$ sec. cor. falls on bank of wash.
42.00	Set a sandstone, 18 X 12 X 5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked WC $\frac{1}{4}$ on W. face, dig pits, 18 X 18 X 12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

143

Subdivision of Township 9 North, Range 14 East

BOOK 2115

chains
70.70
80.00

Dry wash, 15 lks. wide, course SSW/
Set a sandstone, 18 X 6 X 6 ins., 12 ins. in the
ground, 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, 2 ft. base, 1 1/2 ft. high,
W. of cor. Pits impracticable.
Land, level and rolling.
Soil, sandy loam and gravelly; 1st, 2nd, and 3rd rate
No timber.

40.00
79.98

N, 89° 58' E., on a random line bet. secs. 17 and 20.
Set temp. 1/4 sec. cor.
Intersect the N. and S. line at a point 18 lks. N.
of cor. of secs. 16, 17, 20 and 21.

8.70
14.20
22.00
24 65

Thence I run,
N. 89° 59' W., on a true line bet. secs. 17 and 20.
Over level land, through cottonwood timber.
Cherry Creek, 100 lks. wide, dry, course SSW.
Road from Pleasant Valley to Holbrook, brs. N. and S.
Enter scattering oak timber, brs. N. and S.
Dry wash, 40 lks. wide, course SSE., leave bottom, brs.
NNE. and SSW., ascend over rolling land.

25 55
39.99

Road from Pleasant Valley to Holbrook brs. N. and S.
Set a sandstone, 21 X 8 X 8 ins., 16 ins. in the
ground, for 1/4 sec. cor., marked 1/4 on N. face, and
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N.
of cor. Pits impracticable.
An oak, 12 ins. diam., brs. S. 31° W., 92 lks. dist.
marked 1/4 S 20 B T.
An oak, 14 ins. diam., brs. N. 14° W., 152 lks.
dist., marked 1/4 S 17 B T.

72.40
74.00
79.98

Wire fence, brs. N. and S.
Ridge, extends NNE. and SSW., descend.
The cor. of secs. 17, 18, 19 and 20.
Land, rolling and level.
Soil, gravelly, sandy and stony; 2nd, 3rd and 4th rate.
Timber, scattering oak, cottonwood, ash and walnut along
creek.

September 13, 1907.

September 14, 1907. At 7h a.m., l.m.t., I set off
3° 46' N. on the decl. arc and 34° 7' N. on the lat
arc, and determine a true meridian with the solar at
the cor. of secs. 17, 18, 19 and 20.

40.00
79 80

Thence I run,
S. 89° 57' W., on a random line bet. secs. 18 and 19.
Set a temp. 1/4 sec. cor.
Intersect the W. Bdy. of Tp. at a point 18 lks. N. of
cor. of secs. 13, 18, 19 and 24.

7.00
10.20
11.95
25.34
26.10
39.80
40.00

Thence I run,
N. 89° 54' E. on a true line bet. secs. 18 and 19.
Over rolling land, through scattering oak timber.
Dry wash, 20 lks. wide, course SE
Dry wash, 20 lks. wide, course S.
Road, and trail, brs. N. and S.
Wire fence, brs. N. and S.
Dry wash, 15 lks. wide, course SSW., leave scattering timber
Dry wash, 15 lks. wide, course SE and point for 1/4 cor.
Set a quartz stone, 18 X 8 X 8 ins., 12 ins. in the
ground, for witness cor. to 1/4 sec. cor., marked W C 1/4
on N. face, and raise a mound of stone, 2 ft. base,
1 1/2 ft. high, N. of cor. Pits impracticable.

60.50
61.80
79.80

Dry wash, 20 lks. wide, course SE.
Dry wash, 25 lks. wide, course S.
The cor. of secs. 17, 18, 19 and 20.
Land, rolling.
Soil, gravelly loam and stony; 2nd, 3rd and 4th rate.
Timber, scattering oak; undergrowth, oak.

chains	
	N. 0° 3' W. bet. secs. 17 and 18. Along top of broken ridge, through scattering oak timber and brush.
2.95	Dry wash, 10 lks. wide, course W.
8.35	Dry wash, 10 lks. wide, course SW.
12.38	Wire fence, brs. NW. and SE.
21.05	Dry wash, 15 lks. wide, course SE.
36.00	Enter gently rolling land.
40.00	Set a sandstone, 18 X 12 X 6 ins., in mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
58.65	Dry wash, 15 lks. wide, course SE.
72.80	Dry wash, 15 lks. wide, course SE.
80.00	Set a sandstone, 18 X 14 X 10 ins., 12 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 E. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	A juniper, 14 ins. diam., brs. N. 8° E., 63 lks. dist., marked T 9 N R 14 E S 8 B T.
	An oak, 12 ins. diam., brs. S. 55° E., 53 lks. dist., marked T 9 N R 14 E S 17 B T.
	A juniper, 16 ins. diam., brs. N. 42° W., 26 lks. dist., marked T 9 N R 14 E S 7 B T.
	No other tree available.
	Land, rolling and nearly level.
	Soil, gravelly and stony; 2nd, 3rd and 4th rate.
	Timber, scattering oak and juniper; undergrowth, oak and tesotilla.
	September 14: At noon, I set off 3° 39' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 34° 03' N.

40.00	S. 89° 59' E. on a random line bet. secs. 8 and 17.
80.00	Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. and S. line at a point 5 lks. S. of cor. of secs. 8, 9, 16 and 17.
	Thence I run, S. 89° 59' W. on a true line bet. secs. 8 and 17.
3.45	Over mountainous land, descending.
19.30	Dry wash, 15 lks. wide, course S.
24.70	Dry wash, 10 lks. wide, course SE.
30.35	Spur, extends S., descend.
	Dry wash, 20 lks. wide, course S., ascend.
	Spur extends S.
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 N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	An oak, 9 ins. diam., brs. S. 78° E., 147 lks. dist., marked $\frac{1}{4}$ S 17 B T.
	A juniper, 36 ins. diam., brs. N. 17° W., 250 lks. dist., marked $\frac{1}{4}$ S 8 B T.
	Descend.
47 90	Dry wash, 20 lks. wide, course S., ascend.
54 45	Spur, extends S., descend.
65.50	Dry wash, 20 lks. wide, course SE., ascend.
77.00	Spur, extends S., descend.
80.00	The cor. of secs. 7, 8, 17 and 18. Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, oak and juniper on slopes of ridges, undergrowth, oak. Mountainous land, exceptionally difficult to survey, 80.00 chs.

30 145

Subdivision of Township 9 North, Range 14 East.

BOOK 2115

chains

40.00
79.76

S. 89° 54' W. on a random line bet. secs 7 and 18.
Set temp. $\frac{1}{4}$ sec. cor. of sec. 7
Intersect the W. Bdy. of Tp. at a point 8 lks. S. of cor. of secs. 7, 12, 13 and 18.

Thence I run,
N. 89° 57' E. on a true line bet. secs. 7 and 18.
Over mountainous land, descending along S. slope of ridge.

39.76

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

43.00

Foot, brs. N. and S.

45.60

Road and trail, brs N. and S.

47.00

Dry wash, 40 lks. wide, course SSW., ascend over gently rolling land.

72.80

Dry wash, 10 lks. wide, course SE.

79.76

The cor. of secs. 7, 8, 17 and 18.

Land, mountainous, gently rolling and level.
Soil, gravelly and stony; 2nd, 3rd and 4th rate.
Timber, scattering oak; undergrowth, oak and tesotilla.
Mountainous land, 43.00 chs.

September 14, 1907.

September 15: at 7h a.m., 1.m.t., I set off 3° 23" N. 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. 7, 8, 17 and 18.

Thence I run,

N. 0° 3' W., on a true line bet. secs. 7 and 8.

Over gently rolling land, through scattering oak timber.

18 40

Dry wash, 30 lks. wide, course SW.

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

A juniper, 12 ins. diam., brs. S. 31° E., 60 lks. dist., marked $\frac{1}{4}$ S 8 B T.

No other tree available.

53.80

Dry wash, 20 lks. wide, course WSW.

68.50

Dry wash, 20 lks. wide, course SW.

70.00

Leave scattering oak timber, extends NE. and SW/

80.00

Set a sandstone, 24 X 8 X 8 ins., 18 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked with 5 notches on S. and E. edges, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, rolling.

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

Timber, scattering oak and juniper; undergrowth, oak.

N. 89° 59' E. on a random line bet. secs. 5 and 8.

40.00

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

80.01

Intersect the N. and S. line at a point 5 lks. N. of cor. of secs. 4, 5, 8 and 9.

Thence I run,

N. 89° 59' W. on a true line bet. secs. 5 and 8.

Ascending through heavy oak timber.

3.50

Top, extends N. and S., leave timber; thence over nearly level mesa.

36.65

Dry wash, 20 lks. wide, course SW.

40.005

Set a quartz 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, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

Enter gently rolling land.

chains	
68.00	Dry wash, 20 lks. wide, course SW.
80.01	The cor. of secs. 5, 6, 7 and 8. Land, gently rolling and nearly level. Soil, gravelly; 2nd and 3rd rate. Timber, scattering oak. Cloudy weather prevented observation on sun at noon.

40.00	S. 89° 57' W. on a random line bet. secs. 6 and 7.
79.68	Set temp. $\frac{1}{4}$ sec. cor. Intersect the W. Bdy. of Tp. at a point 3 lks. N of cor. of secs. 1, 6, 7 and 12. Thence I run, N. 89° 56' E., on a true line bet. secs. 6 and 7. Over gently rolling land. Dry wash, 15 lks. wide, course NW/ Trail, brs. NW. and SE. Road, brs. NW. and SE. Dry wash, 20 lks. wide, course NW. 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, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high. N. of cor. Pits impracticable.
11.50	Head of dry wash, course S.
24.50	The cor. of secs. 5, 6, 7 and 8.
24.65	Land, gently rolling and nearly level.
38.40	Soil, gravelly and stony; 3rd and 4th rate.
39.68	Timber, a few oak.

40.00	N. 0° 3' W. on a random line, bet. secs. 5 and 6.
79.96	Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. Bdy. of Tp. at a point 4 lks. E. of cor. of secs. 5, 6, 31 and 32. Thence I run, South, on a true line bet. secs. 5 and 6. Over nearly level mesa. Dry wash, 10 lks. wide, course SW.
24.95	Dry wash, 20 lks. wide, course W.
34.50	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, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
39.96	Dry wash, 25 lks. wide, course NW.
59.70	The cor. of secs. 5, 6, 7 and 8.
79.96	Land, gently rolling and level. Soil, gravelly and stony; 3rd and 4th rate. Timber, a few oaks along washes.
	September 15, 1907.

General description.

This township is nearly level and gently rolling in the southwest, west, and northwest, and mountainous in the northeast, east and extreme southwest. The soil of the southwestern part of the township and in the Cherry Creek bottom is mostly rich sandy and gravelly loam, first and second rate. The soil of the remaining parts of the township is gravelly, stony and rocky. The northeast, central, and portions of the north and east of the township are covered with a heavy growth of juniper, oak and pine timber. Nearly all parts of the township have a good growth of grass. Cherry Creek has running water for the most part of the year. There is a good wagon road crossing the township.

There are eight settlers in the township. Oja Young, in the S $\frac{1}{4}$ of Sec. 19; G. W. Hazelwood, in the NE $\frac{1}{4}$ of sec. 30, C. Griffin in the NW $\frac{1}{4}$ of sec. 29,

147

BOOK 2115

E. H. Gillard in the SW $\frac{1}{4}$ of Sec. 20, J. C. Ellison
in the NW $\frac{1}{4}$ of sec. 33, R. Sexton in the SW $\frac{1}{4}$ of Sec. 16,
L. Neglin in the NW $\frac{1}{4}$ of sec. 16 and Claude Delbridge
in the NW $\frac{1}{4}$ of Sec. 25.

Edgar L. Dietrich
U. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

148
33

LIST OF NAMES.

BOOK 2115

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 Tp. 9 N., R. 14 E.

showing the respective capacities in which they acted:

- James B. Boley , Chairman.
- John Harding Culin , Chairman.
- John M. Trayer , 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 Tp. 9 N.,
R. 14 E.

..... of the Gila & Salt
River Base meridian, Territory of Arizona, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for Arizona

- James B. Boley ✓ , Chairman.
- John Harding Culin ✓ , Chairman.
- John M. Trayer ✓ , 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, 1907

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



149
BOOK 2115
34

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. 14 E.

of the Salt & Salt River Base 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.

Edgar C. Dietrich
United States Deputy Surveyor.

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



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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, March 27, 1907

The foregoing field notes of the survey of Subdivisional lines of Sp. 9 N. R. 14 E. Salt and Salt River Base and Meridian, Arizona

executed by Edgar C. Dietrich U. S. Deputy Surveyor under his contract No. 140, dated May 7th, 1906, 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.