

Book "B"

2060

BOOK 2060

FIELD NOTES

OF THE SURVEY OF THE

The Subdivisional lines of Twp 22 S. R. 18 E.

2060

2060

2060

Of the *Siland Salt River* Meridian,
Territory of Arizona.

AS SURVEYED BY

John M. Ingalls, United States Deputy Surveyor,

Under his Contract No. *130*, dated *May 4* 1905

Survey commenced *July 28* 1905, 189

Survey completed *Aug 13* " 189

2060

BOOK 2060

NAMES AND DUTIES OF ASSISTANTS.

J. Roy Rhode Chairman

Harry P. Ingalls "

J. F. Kline Assessor

Bruce M. Hyde Steward

BOOK 2060

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PRELIMINARY OATHS OF ASSISTANTS.

WE, D. Roy Shrode and Harry S. Ingalls
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Subdivisional line of Sp 22 D. R. 18 Co.

D. Roy Shrode, Chainman.
Harry S. Ingalls, Chainman.

Subscribed and sworn to before me this 3rd
day of July, 1895



Frank C. Willard
Notary Public

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____
_____, Moundman.
_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 1895



WE, A. D. Kline and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties according to instructions given ^{me} us, to the best of ^{my} our skill and ability, in the survey of the Subdivisional line of Sp 22 D. R. 18 Co.
A. D. Kline, Axman.
_____, Axman.

Subscribed and sworn to before me this 3rd
day of July, 1895



Frank C. Willard
Notary Public

I, Bruce M. Hyde, 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 _____
Bruce M. Hyde, Flagman.

Subscribed and sworn to before me this 3rd
day of July, 1895



Frank C. Willard
Notary Public

Chs.

Survey commenced July 28th-1905, and executed with a J. C. Sala Solar Compass No. 137. The horizontal limb has two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the Meridian at Phoenix, Arizona, found in adjustment and was approved by the U. S. Surveyor-General on the 28th day of June, 1905.

I examine the adjustments of the Compass and find them satisfactory; 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 observation on Polaris, I proceed as follows-

At the corner of sections, 35 and 36, on the South boundary of Tp. 22 S., R. 18 E., previously established by me at 3 hours, 30 minutes, p m., l. m. t., I set off 31° 28' N., on the latitude arc; 19° 00' N., on the decl. arc, and determine with the Solar a meridian, and mark a point thereof, on a stone set firmly in the ground, 5 chains N. of the corner.

At 11 hours, 5 minutes, p. m., l. m. t., by my watch which has correct l. m. t., I observe Polaris at Eastern elongation, in accordance with the Manual of Instructions and mark a point in the line thus determined, on a plug driven in the ground, 5 chains N. of the station.

July 28th, 1905.

July 29- At 6 20 a. m., l. m. t., I lay off the azimuth of Polaris 1° 24' to the W. and mark the meridian thus determined, by cutting a small groove in the stone set yesterday on which the meridian falls on the mark determined with the Solar.

At 8 hours, 29 minutes, a. m., l. m. t., I set off 31° 28' N., on the latitude arc; 18° 50' N., on the declination arc; and mark a point in the meridian determined with the Solar by a cross on the stone already set 5 chains N. of my station; this mark falls 0.1 ins. east of the meridian established by the Polaris observation.

The Solar apparatus by a. m., and p. m. observations defines meridian accurately; therefore I conclude that the adjustments of the Solar are satisfactory.

The magnetic bearing of the true meridian at 8 45 a. m., l. m. t., properly reduced is 13° 55' E.

N. 0° 01' W., bet. secs. 35 and 36.

Over mountainous land through heavy timber and dense undergrowth.

- 7.05 Top of west slope of high hill and descend.
- 17.77 Dry wash, 30 lks. wide, course west and ascend.
- 22.30 A Black oak tree on line I mark two notches on the N. and S. sides.
- 37.00 Ridge between Lyle and Coche Creek Canons, N.W. & S.E. Descend.
- 40.00 Set a quartz rock, 12 x 9 x 8 ins., 8 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence
 * A juniper, 20 ins., in diam. bears S. 82 1/2° W., 39 lks. dist. marked 1/4 S 35° B T.
 A pine, 20 ins., in diam. bears N. 57 3/4° E., 42 lks. dist. marked 1/4 S 36° B T.
- 42.90 Dry gulch, 30 lks. wide, course N. E.
- 54.00 Point of hill bearing to the northeast.
- 56.00 Top of steep bluff bears N. E. and S. W.
- 60.10 Foot of same bluff, bears N. E. and S. W.
- 63.35 Dry creek, 100 lks. wide, course N. W.
- 64.50 Road course N. W. and S. E.
- 68.00 Ascend.
- 80.00 Set a quartzite rock, 16 x 10 x 6 ins., 11 ins., in the

	<p>Chs. ground for the corner to sections 25, 26, 35 and 36, marked with 1 notch on the S. and E. edges; whence An oak, 10 ins., in diam. bears N. 31° E., 87 lks. dist. marked T 22 S R 18 E S 25 B T. An oak, 20 ins., in diam. bears S 80 1/4° E., 36 lks. dist. marked T 22 S R 18 E S 36 B T. An oak, 10 ins., in diam. bears N 48 1/2° W., 63 lks. dist. marked T 22 S R 18 E S 26 B T. No other trees within limits and raise a mound of stones 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land mountainous. Soil rocky 3rd and 4th rate. Timber, oak, juniper and pine. Undergrowth oak and manzanito. Mountainous and land covered with dense undergrowth 80.00 chains.</p>
	<p>----- EAST, on a random line, bet. secs. 25 and 36.</p>
<p>40. 80.40</p>	<p>Set temp. 1/4 sec. cor. Intersect the East boundary of the Tp. at a point 2 lks. N. of the corner to sections, 25, 30, 31 and 36, Thence I run N. 89° 59' W., on a true line, bet. secs. 25 and 36. Over mountainous land through scattering timber and dense oak brush. Ascending.</p>
<p>12.48</p>	<p>Top of ascent and descend.</p>
<p>33.05</p>	<p>Dry wash, 30 lks. wide, N. W. and ascend.</p>
<p>36.00</p>	<p>Old road bears N. W. and S. E.</p>
<p>40.20 ✓</p>	<p>Set a sandstone, 16 x 12 x 10 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence, An oak, 36 ins., in diam. bears S 11° W., 31 lks. dist. marked 1/4 S 36 B T. An oak, 30 ins., in diam. bears N 19 1/4° E., 72 lks. dist. marked 1/4 S 25 B T.</p>
<p>42.69</p>	<p>Dry wash, 60 lks. wide, course N. W.</p>
<p>49.00</p>	<p>Ascend.</p>
<p>53.50</p>	<p>Top of ridge bears N. and S.</p>
<p>78.10</p>	<p>Dry wash, 10 lks. wide, course S. W.</p>
<p>80.40</p>	<p>The corner to section 25, 26, 35 and 36. Land mountainous. Soil rocky 3rd and 4th rate. Timber oak juniper and walnut along wash bottoms. Undergrowth oak. Mountainous land 80.40 chains.</p>
<p>July 29th, 1905.</p>	
<p>-----</p>	
<p>5.10 15.94 21.50 29.48 36.00 37.45 39.85 40.00 ✓</p>	<p>July 30- At the corner to sections, 25, 26, 35 and 36, at 7 hours, 41 mins. a. m., 1. m. t., I set off 31° 29' N., on the latitude arc; 18° 36' N., on the Decl. arc and determine a meridian with the Solar; thence I run N. 0° 01' W., bet. secs. 26 and 25. Over mountainous land through timber and dense brush. Dry wash, 20 lks. wide, course S. E. and ascend. Low ridge course E. and W. descend. Dry wash, 20 lks. wide, course N. W. & ascend. Descend abruptly. Foot of descent. Dry creek, 30 lks. wide, course N. W. Old road course N. W. and S. E.</p>
	<p>Set a sandstone, 14 x 10 x 6 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence, An oak, 20 ins., in diam. bears N 21° E., 74 lks. dist. marked 1/4 S 25 B T. An oak, 10 ins., in diam. bears N 24 3/4° W., 122 lks. dist. marked 1/4 S 26 B T. This corner is set on a small flat.</p>

Subdivisional lines of Tp. 22 S., R. 18 E.

(Continued.)

Chs.	
40.56	Ascend.
66.76	Top of ridge trending to the west.
80.00	Set a sandstone, 12 x 10 x 6 ins., 8 ins., in the ground for the corner to secs. 23, 24, 25 and 26, marked with 2 notches on the S. and 1 on the E. edges; whence, An oak, 6 ins., in diam. bears N. 34 3/4° W., 58 lks. dist. marked T 22 S R 18 E S 23 B T. No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land mountainous. Soil rocky 3rd and 4th rate. Timber scatterig oak and juniper. Underbrush oak and manzanito. Mountainous land 80. chains.
40.	S. 89° 59' E., on a random line, bet. secs. 24 and 25.
80.12	Set temp. 1/4 sec. cor. Intersect the E. boundary of the Tp. at a point 17 lks. N. of the cor. to secs. 19, 24, 25 and 30, thence I run, N. 89° 52' W., on a true line, bet. secs. 24 and 25. Over mountainous land descending.
39.65	Dry wash, 25 lks. wide, course S. E.
40.06	Set a quartz rock, 24 x 20 x 9 ins., 18 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the N. face; whence, An oak, 8 ins., in diam. bears N. 68 3/4° W., 35 lks. dist. marked 1/4 S 24 B T. An oak, 12 ins., in diam. bears S. 65 1/2° E., 27 lks. dist. mkd. 1/4 S 25 B T.
61.50	Point of ridge trending to the South, descend.
77.72	Dry wash, 15 lks. wide, course S. W.
80.12	The corner to sections, 23, 24, 25 and 26. Land mountains gradually sloping to the N. W. Soil rocky 3rd and 4th rate. Underbrush oak, juniper and manzanito. Timber oak. Mountainous land 80.12 chains.
	N. 0° 01' W., bet. secs. 23 and 24.
40.00	Over mountains trending to the N. E. Set a sandstone, 16 x 12 x 6 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence, An oak, 9 ins., in diam. bears N. 55° E., 164 lks. dist. mkd. 1/4 S 24 B T. An oak, 8 ins., in diam. bears N. 52 3/4° W., 76 lks. dist. marked 1/4 S 23 B T. Raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner.
43.10	Dry wash, 20 lks. wide, course N. E.
62.00	Top of spur bears E.
77.57	A Juniper 12 ins., in diam on line, I cut two notches on the N. and S. sides.
79.70	Dry wash, 20 lks. wide, course W.
80.00	Set a limestone, 16 x 10 x 6 ins., 11 ins., in the ground for the corner to sections 13, 14, 23 and 24, marked with 3 notches on the S. and 1 on the E. edges; whence, A juniper, 12 ins., in diam. bears N. 21° E., 30 lks. dist. marked T 22 S R 18 E S 13 B T. A juniper, 14 ins., in diam. bears N 81 1/2° W., 114 lks. dist. mkd. T 22 S R 18 E S 14 B T. A oak, 14 ins., in diam. bears S 41 1/4° E., 133 lks. dist. marked T 22 S R 18 E S 24 B T. No other trees within limits and raise a mound of stones 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.

For last 1/2 mile see supplemental notes page 2.

For last 1/2 mile see supplemental notes page 2.

For this mile see supplemental notes pages 2 & 3

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chs. This corner is 50 lks. S. W. of a bluff about 75 ft. high and on west bank of creek wash. Land mountains. Soil rocky 3rd and 4th rate. Timber scattering oak and juniper. Underbrush oak. Mountainous land 80. chains.

40.00 S. 89° 52' E., on a random line, bet. secs. 13 and 24.
 79.92 Set temp. 1/4 sec. cor. Intersect the east boundary of the township, at a point 25 lks. S. of the corner to sections, 13, 18, 19 and 24, thence I run, E. 89° 57' W., on a true line bet. secs. 13 and 24. Over mountainous land trending to the N. W. Descend. Through heavy timber and scattering brush. Dry wash, 30 lks. wide, course S. E. 27.50 Set a sandstone, 16 x 16 x 6 ins., 11 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the N. face; whence, 39.96 An oak, 14 ins., in diam. bears N. 22° E., 39 lks. dist. marked 1/4 S 13 B T. No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. 52.25 Dry wash, 20 lks. wide, course N. W. (At foot of bluff)
 54.25 Top of bluff course N. W. and S. E.
 63.00 Descend.
 64.05 Old road bears N. W. and S. E.
 78.13 Creek, 20 lks. wide, course N. and ascend steep bank.
 79.92 The corner to sections, 13, 14, 23 and 24. Land mountainous. Soil rocky 3rd and 4th rate. Timber scattering oak and juniper. Mountainous land 79.92 chains. July 30th, 1905

July 31st- At the corner of secs. 13, 14, 23 & 24, at 8 hrs. 32 mins. a. m., 1. m. t., I set off 31° 30' N., on the Latitude arc; 18° 21' N., on the decl. arc and determine a meridian with the Solar, thence I run, N. 0° 01' W., bet. secs. 13 and 14. Over mountainous land. Descending. 14.86 Dry creek, 30 lks. wide, course S. E. water in holes, follow same. 17.70 Leave creek and ascend. 17.70 Old road course N. W. and S. E. 51.10 Dry wash, 10 lks. wide, course N. W. 40.00 Set a sandstone, 20 x 13 x 8 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence, An oak, 9 ins., in diam. bears N. 46 1/2° W., 202 lks. dist. marked 1/4 S 14 B T. An oak, 10 ins., in diam. bears N 22 3/4° E., 134 lks. dist. mkd. 1/4 S 13 B T. Raise a mound of stones, 2 ft. base, 1 1/2 ft. high W. of the corner. 43.25 Dry wash, 30 lks. wide, course S. W. 71.75 Dry wash, 45 lks. wide, course N. W. & ascend. 80.00 Set a sandstone, 20 x 10 x 8 ins., 15 ins., in the ground for the corner to secs. 11, 12, 13 and 14, marked with 4 notches on the S. and 1 on the E. edges; whence, An oak 14 ins., in diam. bears N 74° E., 323 lks. dist. marked T 22 S R 18 E S 12 B T. An oak, 12 ins., in diam. bears S. 35 3/4° E., 271 lks. dist. marked T 22 S R 18 E S 13 B T. No other trees within limits and raise a mound of

For last 1/2 mile see supplemental notes page 2.

For first 1/2 mile see supplemental notes page 3.

5.

Subdivisional lines of Tp. 22 S., R. 18 E.

(Continued).

Chs.	<p>stone, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land mountainous. Soil rocky 3rd and 4th rate. Timber scattering oak; walnut and ash along creek bottom. Underbrush oak. Mountainous land 80.00 chains.</p>
40. 79.92	<p>----- N. 89° 57' E., on a random line, bet. secs. 12 and 13. Set temp. 1/4 sec cor. Intersect the east boundary of the Tp. at a point 6 lks S. of the corner to sections 7, 12, 13 and 18, thence I run, S. 89° 54' W., on a true line, bet. secs. 12 and 13. Over mountainous land descending.</p>
11.70 31.76 39.96	<p>Dry wash, 50 lks. wide, course S. W. Dry wash, 20 lks. wide, course S. W. Set a sandstone, 14 x 10 x 8 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No bearing trees. This corner is set about 150 lks. S. W. of a dry wash.</p>
56.70 79.92	<p>Dry wash, 20 lks. wide, course S. W. & ascend. The corner to sections, 11, 12, 13 and 14. Land mountainous trending to the S. W. Soil sandy and rocky 2nd to 4th rate. Scattering oak and juniper timber; walnut and ash timber along wash bottoms. Mountainous land. 79.92 chains.</p>
6.50 27.43 40.00	<p>----- N. 0° 1' W., bet. secs. 11 and 12. Over mountainous land. Point of ridge S. W. Ridge bears N. W. and S. E. descend. Set a sandstone, 14 x 8 x 8 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence An oak, 10 ins., in diam. bears N 81 1/4° E., 88 lks. dist. marked 1/4 S 12 B T. An oak, 8 ins., in diam. bears S 52 3/4° W., 22 lks dist. marked 1/4 S 11 B T.</p>
59.80 79.10 80.00	<p>Dry wash, 20 lks. wide, course N. W. Dry wash, 40 lks. wide, course N. W. Set a quartz rock, 13 x 12 x 8 ins., 9 ins., in the ground for the cor. to secs. 1, 2, 11 and 12 marked with 5 notches on the S. and 1 notch on the E. edges; whence, An oak, 12 ins., in diam. bears N 4° W., 303 lks. dist. marked T 22 S R 18 E S 2 B T. No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable. Land mountainous. Soil rocky 3rd and 4th rate. Timber scattering oak. Mountainous land 80. chains.</p>
40. 80.18	<p>----- N. 89° 54' E., on a random line, bet. secs. 1 and 12. Set temp. 1/4 sec. cor. Intersect E. bdy. of Tp. at a point, 18 lks. N. of the corner to secs. 1, 6, 7 and 12; thence I run, N. 89° 58' W., on a true line, bet. secs. 1 and 12. Over mountainous land trending to the N. W. Descending. Over foot of Huachuca Mts.</p>
37.00 38.68	<p>Old road course N. and S. Dry wash, 30 lks. wide, course N. E.</p>

Chs. 40.09	Set a sandstone, 18 x 12 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No bearing trees in limits.
47.32	Dry wash, 15 lks. wide, course N. E.
57.50	Top of prominent ridge or spur trending to the N. W. and S. E. and descend.
80.18	The corner to sections, 1, 2, 11 and 12. Land mountainous. Soil rocky and 4th rate. Timber scattering oaks. Mountainous land 80.18 chains.
July 31st-	
Aug. 1st- At the corner to secs. 1, 2, 11 and 12, at 7 hs. 35 mins., a. m., l. m. t., I set off 31° 32' N., on the latitude arc; 18° 7' N., on the Decl arc and determine a meridian with the Solar. Thence I run, N. 0° 01' W., on a random line, bet. secs. 1 and 2. Set temp. 1/4 sec. cor. Intersect the north boundary of the Tp. at a point 33 lks. W. of the cor. to secs. 1, 2, 35 and 36; thence I run, S 0° 13' W., on a true line, bet. secs. 1 and 2. Over mountainous land.	
40.	
79.70	
1.50	Cross prominent point trending to the N. W. and des.
16.74	Dry wash, 20 lks. wide, course N. W.
25.00	Point of spur course N. W. and descend.
39.95	Dry wash, 15 lks. wide, course N. W.
39.70	Set a quartz rock, 16 x 10 x 8 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. No bearing trees within limits.
54.20	Dry wash, 20 lks. wide, course N. W.
79.70	The corner to sections, 1, 2, 11 and 12. Land mountainous. Soil rocky 3rd and 4th rate. Timber scattering oak. Mountainous land 79.70 chains.
August 1st-1905.	
At the corner of Sections 2, 3, 34 and 35 on the South boundary of the Tp. On August 2nd, 1905, I set off 31° 28' N., on the Lat. arc; 17° 51' N., on the decl. arc and at 8hs. 10 mins., a. m., l. m. t., I determine a meridian with the Solar; thence I run, N. 0° 01' W., bet. secs. 34 and 35. Over mountainous land through heavy timber and underbrush. Descending.	
7.00	Dry wash, 20 lks. wide, course S. E. and ascend.
31.05	Top of slope course N. W. and descend.
40.00	Set a sandstone, 14 x 8 x 6 ins., 10 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence A pine, 30 ins., in diam. bears N 20° W., 25 lks. dist. mkd. 1/4 S 34 B T. A pine, 10 ins., in diam. bears N. 15° E., 85 lks. dist. marked 1/4 S 35 B T. And raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner.
43.60	Coche Canon, (dry) 40 lks. wide, course N. W. Ascend.
59.47	Oak 20 ins., in diam. on line, mark two notches on the N. and S. faces.

For first 1/2 mile see supplemental notes page 3

Chs. 60.00 80.00	<p>Top of ridge course E. and W. and descend. Set a quartz rock, 15 x 10 x 8 ins., 10 ins., in the ground for the corner to sections, 26, 27, 34 and 35 marked with 1 notch on the S. and 2 notches on the E. edges; whence, An oak, 20 ins., in diam. bears N 10° E., 47 lks. dist. marked T 22 S., R. 18 E S 26 B T. An oak, 10 ins., in diam. bears S 10 3/4° E., 56 lks. dist. mkd. T 22 S R 18 E S 35 B T. An oak, 10 ins., in diam. bears S 56 3/4° W., 61 lks. dist. mkd. T 22 S R 18 E S 34 B T. An oak, 10 ins., in diam. bears N 71 1/4° W., 33 lks. dist. mkd. T 22 S R 18 E S 27 B T. Land mountainous. Timber pine, juniper and oak. Soil 3rd and 4th rate. Heavy timber and mountainous land 80. chs. Dense undergrowth of oak and manzanito 80. chs.</p> <p>----- EAST, on a random line, bet. secs. 26 and 35. Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point 21 lks. S. of the corner to secs. 25, 26, 35 and 36, thence I run, S. 89° 51' W., on a true line, bet. secs. 26 and 35. Over mountainous land through scattering timber through dense oak underbrush. Descend.</p> <p>12.00 Road brs. N. W. & S. E. 16.53 Dry wash, 60 lks. wide, course N. W. and ascend. 40.10 Set a quartz rock, 12 x 10 x 9 ins., 8 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the N. face; whence, An oak, 8 ins., in diam. bears S 15° W., 36 lks. dist. marked 1/4 S 35 B T. An oak, 6 ins., in diam. bears N. 30° E., 15 lks. dist. marked 1/4 S 26 B T. Raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner.</p> <p>65.10 Top of ridge course N. W. and S. E. and descend. 76.10 Dry wash, 25 lks. wide, course N. and ascend. 80.20 The cor. to secs. 26, 27, 34 and 35. Land mountainous. Soil rocky 4th rate. Timber scatter oak and juniper. Undergrowth dense oak. Mountainous and land covered with dense brush 80.20 chs. NOTE- AT this corner at 1:20' Clock Noon, I set off 17° 48' N., on the Declination arc and observe the Sun on the meridian the resulting latitude is 31° 29' N.</p> <p>----- N. 0° 01' W., bet. secs. 26 and 27. Over mountainous land. Through scattering timber and brush. Dry wash, 80 lks. wide, course N. W. and ascend. Change to the N. W. slope of mountain and descend. Set a sandstone, 16 x 10 x 4 ins., 11 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the W. face; whence, An oak, 8 ins., in diam. bears S. 46° W., 51 lks. dist. marked 1/4 S 27 B T. An oak, 18 ins., in diam. bears S 8° E., 39 lks. dist. mkd. 1/4 S 26 B T. Dry wash, 50 lks. wide, course N. W. and ascend. Set a sandstone, 14 x 10 x 6 ins., 9 ins., in the ground for the cor. to secs. 22, 23, 26 and 27, marked with 2 notches on the S. and E. edges; whence An oak 20 ins., in diam. bears N 22° E., 59 lks. dist. mkd. T 22 S R 18 E S 23 B T.</p>
40. 80.20	
12.00 16.53 40.10	
65.10 76.10 80.20	
5.76 28.00 40.00	
47.28 80.00	

for this mile see supplement notes Page 2

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8.

Subdivisional lines of Tp. 22 S., R. 18 E.

(Continued).

BOOK 2060 chs.

An oak, 24 ins., in diam. bears N. 25 1/4° W., 86 lks. dist. marked T 22 S R 18 E S 22 B T.
 An oak, 18 ins., in diam. bears S. 33 1/2° W., 68 lks. dist. mkd. T 22 S R 18 E 27 B T.
 An oak, 20 ins., in diam. bears S 72 1/4° E., 93 lks. dist. mkd. T 22 S R 18 E S 26 B T.
 Land mountainous.
 Soil rocky 3rd and 4th rate.
 Timber oak and juniper.
 Undergrowth oak.
 Mountainous land 80.00 chains.

N. 89° 51' E., on a random line, bet. secs. 23 and 26.
 10. Set temp. 1/4 sec. cor.
 80.34 Intersect the N. and S. line, at a point 4 lks. N. of the corner to sections 23, 24, 25 and 26; thence I run, S. 89° 53' W., on a true line, bet. secs. 23 and 26.
 Over mountainous land through thick timber.
 22.90 Descend over point trending to the S. W.
 10.50 Dry wash, 20 lks. wide, course S. W.
 16.25 Descend.
 29.50 Enter flat bears N. W. and S. E.
 33.50 Lyle Canon, dry wash, 400 lks. wide, course N. W. and ascend.
 40.17 Set a limestone, 12 x 10 x 6 ins., 8 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence
 An oak, 6 ins., in diam. bears N. 34 3/4° W., 58 lks. dist. marked 1/4 S 23 B T.
 An oak, 5 ins., in diam. bears S. 60 3/4° E., 17 lks. dist. marked 1/4 S 26 B T.
 40.25 Dry wash, 20 lks. wide, course N. E.
 55.50 Descend.
 71.33 Dry wash, 10 lks. wide, course N. E.
 77.00 Top of ridge bears N. and S.
 Divide between Lyle and Coche Creek Canons, descend.
 80.34 The corner to sections 22, 23, 26 and 27.
 Land mountainous.
 Soil rocky 4th rate.
 Dense timbered land.
 Land mountainous 80.34 chains.

N. 6° 01' W., bet. secs. 22 and 23.
 Over mountainous land.
 25.50 Main Divide between Lyle and Coche Canons bears N. and S. and Change to E. slope of same.
 40.00 Set a limestone, 24 x 20 x 10 ins., 18 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence
 An oak, 12 ins., in diam. bears S. 46 1/4° E., 45 lks. dist. mkd. 1/4 S 23 B T.
 An oak, 8 ins., in diam. bears S 66 1/4° W., 55 lks. dist. mkd. 1/4 S 22 B T.
 49.84 Dry wash, 15 lks. wide, course E.
 53.52 Top of spur trending to the East and descend over points trending to the E.
 59.54 Dry wash, 10 lks. wide, course N. E.
 80.00 Set a limestone, 15 x 12 x 10 ins., 10 ins., in the ground for the corner to sections, 14, 15, 22 and 23, marked with 3 notches on the S. and 2 notches on the E. edges, whence,
 An oak, 8 ins., in diam. bears N. 80 1/4° E., 147 lks. dist. mkd. T 22 S R 18 E S 14 B T.
 An oak, 14 ins., in diam. bears N. 32° W., 135 lks. dist. mkd. T 22 S R 18 E S 15 B T.
 An oak, 12 ins., in diam. bears S 86 1/2° E., 137 lks. dist. mkd. T 22 S R 18 E S 23 B T.
 An oak, 16 ins., in diam. bears S 71 1/4° W., 161 lks. dist. mkd. T 22 S R 18 E S 22 B T.
 Land mountainous.

For this mile see supplemental notes page 4

For this mile see supplemental notes page 4

Chs.	Soil rocky and 4th rate. Timber oak and juniper. Considerable underbrush in gulches. Mountainous land 80.00 chains.
	August 2nd. 1905.
	----- At the corner just previously described, at 8h A.M., August 3rd, 1905- I set off 31° 30' N., on the Lat. arc; 17° 36 1/2' N., on the decl. arc and determine a meridian with the Solar; thence I run, N. 89° 55' E., on a random line, bet. secs. 14 and 23.
46.10	Set temp. 1/4 sec. cor.
80.10	Intersect the N. and S. line, at a point, 16 lks. N. of the corner to sections, 13, 14, 23 and 24, thence I run, WEST, on a true line, bet. secs. 14 and 23.
17.86	Ascending over mountains land through timber.
40.05	Summit of Main divide bears N. and S. descend. Set a sandstone, 12 x 10 x 5 ins., 8 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence, An oak, 12 ins., in diam. bears S 29° E., 224 lks. dist. mkd. 1/4 S 23 E T. No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.
46.90	Creek Bottom course N. 40 lks. wide.
50.70	Road bears N. and S.
53.20	Lyle Canon Creek, 50 lks. wide, live water in holes, ascend. Course N.
80.10	The corner to secs. 14, 15, 22 and 23. Land mountainous. Soil rocky; 4th rate. Timber scattering oak and walnut and ash in creek bottoms. Undergrowth oak in bottoms. Land Mountainous 80.10 chs.
	----- N. 0° 01' W., bet. secs. 14 and 15. Over mountainous land.
9.15	Point trending to the E. descend.
10.75	Dry wash, 10 lks. wide, course N. E.
40.00	Set a sandstone, 16 x 8 x 5 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high W. of the corner. Pits impracticable.
40.50	Dry wash, 10 lks. wide, course N. E.
49.45	Spur of ridge bears N. E.
75.25	Dry wash, 10 lks. wide, course S. E.
80.00	Set a granite stone, 12 x 9 x 9 ins., 8 ins., in the ground for the corner to sections 10, 11, 14 and 15, marked with 4 notches on the S. and 2 notches on the E. edges; whence, An oak, 10 ins., in diam. bears N. 51 1/2° E., 10 lks. dist. marked T 22 S R 18 E S 11 B T. An oak, 8 ins., in diam. bears S 6 3/4° E., 61 lks. dist. mkd. T 22 S R 18 E S 14 B T. An oak, 12 ins., in diam. bears S 51 3/4° W., 12 lks. dist. mkd. T 22 S R 18 E S 15 B T. An oak, 18 ins., in diam. bears N 50 3/4° W., 44 lks. dist. mkd. T 22 S R 18 E S 10 B T. Land mountainous. Soil rocky 2nd to 4th rate. Timber scattering oak. Considerable underbrush. Mountainous land 80. chains.
	----- EAST, on a random line line, bet. secs. 11 and 14.
40.	Set temp. 1/4 sec. cor.
80.15	Intersect the N. and S. line, 22 lks. N. of the cor. to

For this mile see supplement page 4.

For 1/2 of mile see supplement page 5.

X

5

chs. sections 11, 12, 13 and 14; thence I run, N. 89° 51' W., on a true line, bet. secs. 11 and 14. Over mountainous land through scattering oaks. Descending along East side of Lyle canon.

14.53 Dry wash, 10 lks. wide, course S. W.

21.00 Dry wash, 30 lks. wide, course S. W.

40.07 1/2 Set a limestone, 16 x 10 x 9 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence,

An oak, 8 ins., in diam. bears N. 32° E., 104 lks. dist. mkd. 1/4 S 11 B T.

An oak, 14 ins., in diam. bears S 62 1/2° W., 214 lks. dist. mkd. 1/4 S 14 B.T.

45.14 Enter Lyle Canon Valley bears N. and S. through dense brush

51.89 Lyle Canon Creek, 75 lks. wide, course N. W.

56.00 Road bears N. and S.

56.40 Leave Lyle Canon Valley bears N. and S. and ascend leaving dense brush.

80.15 Corner to sections 10, 11, 14, and 15. Land mountainous, on E. and W. slope of Canon. Soil loam and rocky 1st to 4th rate. Timber heavy oak and juniper, scant walnut ash and black walnut. Underbrush oak. Mountainous, or land covered with dense oak brush or heavy timber, 80.15 chains.

N. 0° 01' W., bet. secs. 10 and 11. Over rough points of mountain ridges trending easterly.

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

19.00 Road course E. and W. crossing mountain from Lyle Creek to Coche Canon.

26.58 Wire fence bears N. W. and S. E.

36.25 Dry wash, 15 lks. wide, course N. E.

40.00 Set a granite stone, 22 x 13 x 11 ins., 17 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the W. face, whence,

An oak, 10 ins., in diam. bears S 72° W., 84 lks. dist. mkd. 1/4 S 10 B T.

An oak, 12 ins., in diam. bears S 70 1/2° E., 33 lks. dist. mkd. 1/4 S 11 B T.

~~48.00 An old house bears E. about 4.50 chs.~~

49.25 Point of mountain trending to the E.

66.15 Dry wash, 10 lks. wide, course N. W. Small spring 40 lks. W. in creek bottom.

67.50 Wire fence bears N. E. and S. W.

80.00 Set a sandstone, 15 x 12 x 8 ins., 10 ins., in the ground for the corner to sections, 2, 3, 10 and 11, marked with 5 notches on the S. and 2 notches on the E. edges, whence

An oak, 6 ins., in diam. bears N 34 1/2° E., 29 lks. dist. marked T 22 S R 18 E S 2 B T.

An oak, 10 ins., in diam. bears N 56° W., 65 lks. dist. mkd. T 22 S R 18 E S 3 B T.

An oak, 10 ins., in diam. bears S 9 1/2° E., 62 lks. dist. mkd. T 22 S R 18 E S 11 B T.

An oak, 12 ins., in diam. bears S 29 1/4° W., 170 lks. dist. mkd. T 22 S R 18 E S 10 B T.

This corner is set on top of a low point. Land mountainous. Soil gravelly sandy and rocky 3rd and 4th rate. Timber dense oak. Underbrush scattering oak.

~~Mountainous and heavily timbered land 80. chains.~~

S. 89° 51' E., on a random line, bet. secs. 2 and 11.

40. Set temp. 1/4 sec. cor.

79.89 Intersect the N. and S. line, at a point 18 lks. S. of the corner to sections, 1, 6, 7 and 12; thence I run,

For last half mile see supplemental notes page 5.

11.

Subdivisions of Tp. 22 S., R. 18 E.

Continued.

chs. N. 89° 59' W., on a true line, bet. secs. 2 and 11.
 Over mountainous land descending, into Lyle Canon.
 38.00 Ridge bears N. and S. descend.
 39.95 Set a granite stone, 16 x 12 x 10 ins., 11 ins., in the
 ground for 1/4 sec. cor. marked 1/4 on the N. face; and
 raise a mound of stones, 2 ft. base, 1 1/2 ft. high,
 of the Corner.
 Pits impracticable.
 No bearing trees within limits.
 54.63 Dry wash, 30 lks. wide, course N. W.
 58.25 Dry wash, 15 lks. wide, course N. W.
 64.10 Road bears N. and S.
 74.90 Lyle Creek, 30 lks. wide, running water, course N. W.
 79.89 The corner to sections, 2, 3, 10 and 11.
 Land mountainous.
 Soil rocky 3rd and 4th rate.
 Timber scattering oak.
 Underbrush scattering oak and manzanito.
 Mountainous land 79.89 chains.

*see the mill
 see supplemental
 notes page 5.*

Aug. 3rd-1905.

 Aug 4th, at the cor. of sections 2, 3, 10 and 11, at
 7 hs. 40 mins. a. m., l. m. t., I set off 17° 20' N.,
 on the decl. arc; 31° 32' N., on the Latitude arc; and
 determine a meridian with the Solar; thence I run,
 N. 0° 01' W., on a random line, bet. secs. 2 and 3.
 40. Set temp. 1/4 sec. cor.
 80.55 Intersect the North boundary of the Tp. at a point,
 21 lks. W. of the cor. to secs. 2, 3, 34 and 35, thence
 I run, S 0° 08' W., bet. secs. 2 and 3.
 Descending over mountainous land through scattering timber
 2.25 Dry wash, 20 lks. wide course N. E. and ascend.
 15.50 Point of ridge trending to the northeast.
 30.45 Washing Camp and Huachuca wagon road bears N. E. and S. W.
 34.50 N. E. Cor. of School house bears W. about 50 chs. dist.
 & the old Evans adobe bears E. about 3.00 chs. dist.
 40.05 Set a sandstone, 16 x 12 x 12 ins., 11 ins., in the ground
 for the 1/4 sec. cor. whence,
 An oak, 8 ins., in diam. bears N. 42 1/2° E.,
 110 lks. dist. marked 1/4 S 2 B T.
 An oak, 8 ins., in diam. bears S 45 3/4° W., 125
 lks. dist. mkd. 1/4 S 3 B T. and raise a mound of stones,
 2 ft. base, 1 1/2 ft. high, W. of the corner.
 44.05 Old road bears N. E. and S. W.
 49.50 Top of spur bears S. E. and descend.
 55.90 Dry wash, 15 lks. wide, course N. E. and ascend.
 75.50 Dry wash, 20 lks. wide, course N. E. and ascend.
 80.05 The corner to sections, 2, 3, 10 and 11.
 Land mountainous.
 Soil rocky 3rd and 4th rate.
 Timber scattering oak.
 Underbrush some oak.
 Mountainous land 80.05 chains.

*see the mill
 see supplemental
 notes page 6.*

 From the corner to secs. 3, 4, 33 and 34 on the South
 boundary of the township, I run, N. 0° 02' W., bet.
 secs. 33 and 34, descending. Over Mts. land. Heavy timber.
 8.30 Dry wash, N. W. and ascend. / 20 lks. wide.
 34.50 Summit of ridge bears (S. E. and N. W. and descend.
 40.00 Set a quartz rock, 12 x 9 x 9 ins., 8 ins., in the ground
 for the 1/4 sec. cor. marked 1/4 on the W. face; whence,
 An oak, 10 ins., in diam. bears N. 76 1/4° E.,
 57 lks. dist. mkd. 1/4 S 34 B T.
 An oak, 12 ins., in diam. bears S 60° W., 32 lks.
 dist. mkd. 1/4 S 33 B T.
 This corner is set on the N. E. slope of ridge
 about 2 chains E. of the top of same.
 48.50 Dry wash, 20 lks. wide, course N. W.

Chs.
55.10
80.00

Dry wash, 10 lks. wide, course N. W.
 Set a quartz rock, 16 x 13 x 11 ins., 11 ins., in the ground for the corner to sections, 27, 28, 33 and 34, marked with 1 notch on the S. and 3 notches on the E. edges; whence,
 An oak, 10 ins., in diam. bears N 31 1/4° E., 7 lks. dist. mkd. T 22 S R. 18 E S 27 B T.
 An oak, 8 ins., in diam. bears S 27 1/2° E., 11 lks. dist. mkd. T 22 S R 18 E S 34 B T.
 An oak, 8 ins., in diam. bears S 82 1/4° W., 68 lks. dist. mkd. T 22 S R 18 E S 33 B T.
 An oak, 12 ins., in diam. bears N 55 1/2° W., 49 lks. dist. mkd. T 22 S R 18 E S 28 B T.
 Land mountainous.
 Soil sandy and rocky 3rd and 4th rate.
 Timber dense oak and juniper and scattering pine.
 Dense brush of oak and manzanito.
 Mountainous and land covered with heavy timber and dense brush, 80.00 chains.
 Aug. 4th, 1905.

August 5th- At the cor. just previously described, at 7 hs. 8 mins. a. m., 1. m. t., I set off 31° 29' N., on the Latitude arc; 17° 05' N., on the Decl. arc; and determine a meridian with the Solar; thence I run, EAST, on a random line, bet. secs. 27 and 34. Over mountainous land through heavy timber.

40.
80.11

Set temp. 1/4 sec. cor.
 Intersect the N. and S. line, at a point 10 lks. N. of the corner to sections, 26, 27, 34 and 35, thence I run, N. 89° 56' W., on a true line, bet. secs. 27 and 34. Over mountainous land through heavy timber.

6.75
14.45
21.50
40.055

Spur of ridge bears N. and descend.
 Dry wash, 15 lks. wide, course N. W.
 Descend into Coche Canon.
 Set a sandstone, 12 x 8 x 6 ins., 8 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence,

An oak, 12 ins., in diam. bears S 16 3/4° E., 14 lks. dist. mkd. 1/4 S 34 B T.

An oak, 14 ins., in diam. bears N. 30 1/4° E., 15 lks. dist. mkd. 1/4 S 27 B T.

45.50
73.50
80.11

Coche Canon Creek, 30 lks. wide, course N. W. and ascend.
 Divide course N. W. and S. E. and descend.
 The corner to sections, 26, 27, 33 and 34.
 Land mountainous.
 Soil rocky 3rd and 4th rate.
 Timber oak junuocer and scattering pines.
 Dense undergrowth.
 Mountainous and land covered with heavy timber and dense undergrowth 80.11 chains.

N. 0° 02' W., bet. secs. 27 and 28.
 Over mountainous land through timber.

8.45
17.40
19.00
24.30
32.00
40.00

Cross main divide course N. W. and S. E. and descend.
 Dry wash, 10 lks. wide, deep gulch E. and ascend.
 Point of ridge bears E. and descend.
 Dry wash, 10 lks. wide, course E. and ascend.
 Point of mountain bears E. and desc.
 Set a sandstone, 13 x 10 x 9 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence,

An oak, 20 ins., in diam. bears S 74° E., 17 lks. dist. mkd. 1/4 S 27 B T.

An oak, 12 ins., in diam. bears N. 75° W., 58 lks. dist. mkd. 1/4 S 28 B T.

46.40
54.50

Dry wash, 10 lks. wide, course E.
 Top of spur trending to the E. and desc.

13.

Subdivisional lines of Tp. 22 S., R. 18 E.

(Continued.)

<p>Chs. 72.96 80.00</p>	<p>Dry wash, 10 lks. wide, course E. Set a quartz rock, 20 x 10x 6 ins., 15 ins., in the ground for the corner to sections 21, 22, 27 and 28, marked with 2 notches on the S. and 3 notches on the E. edges, whence, An oak, 10 ins., in diam. bears S 45° W., 44 lks. dist. mkd. T 22 S R. 18 E S 28 B T. An oak, 6 ins., in diam. bears S 40° E., 43 lks. dist. mkd. T 22 S R 18 E S 27 B T. No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land mountainous. Soil rocky 3rd and 4th rate. Timber scattering oaks and juniper. Dense underbrush of oak. Mountainous and land covered with dense brush 80. chs.</p>
<p>40.96 79.75</p>	<p>S. 89° 56' E., on a random line, bet. secs. 22 and 27. Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point 15 lks. S. of the corner to sections, 22, 23, 26 and 27, thence I run, S. 89° 58' W., on a true line, bet. secs. 22 and 27. Over mountainous land through heavy timber. Dry wash, 20 lks. wide, course S. E. Set a quartz rock, 14 x 9 x 7 ins., 9 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the N. face, whence, An oak, 12 ins., in diam. bears S. 68 1/2° E., 26 lks. dist. mkd. 1/4 S 27 B T. An oak, 10 ins., in diam. bears N. 2 1/2° E., 45 lks. dist. mkd. 1/4 S 22 B T. An raise a md. of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Enter flat bears N. and S. Wood road bears N. and S. Wash, Coche Canon, 55 lks. wide, course N. Ascend leave flat. Change to the N. E. slope. Descend. The corner to sections, 21, 22, 27 and 28. Land mountainous. Soil rocky 3rd and 4th rate. Timber pinen, juniper and oak. Undergrowth thick oak. Mountainous or land covered with heavy timber and dense brush; 79.75 chains.</p>
<p>6.25 13.25 27.50 34.25 40.00</p>	<p>N. 0° 02' W., bet. secs. 21 and 22. Over mountainous land through heavy timber, descending. Dry gulch, 25 lks. wide, course E. Spur trending to the E. and descend. Dry gulch, 20 lks. wide, course E. and ascend. Descend. Set a limestone, 17 x 12 x 11 ins., 11 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the W. face; whence An oak, 6 ins., in diam. bears S. 13 1/2° E., 39 lks. dist. mkd. 1/4 S 22 B T. An oak, 4 ins., in diam. bears N. 61 3/4° W., 18 lks. dist. mkd. 1/4 S 21 B T. Dry wash, 20 lks. wide, course E. Ascend. Spur bears E. and descend. Dry wash, 20 lks. wide, course S. E. and ascend. Set a quartz rock, 24 x 13 x 9 ins., 18 ins., in the ground for the cor. to secs. 15, 16, 21 and 22, mkd. with 3 notches on the S. and E. edges, whence,</p>
<p>49.50 53.25 59.50 80.00</p>	<p></p>

For this mile see supplemental notes page 6.

For this mile see supplemental notes page 7.

For this mile see supplemental notes page 7.

Chs. An oak, 12 ins., in diam. bears N 6 3/4° E., 111 lks. dist. mkd. T 22 S., R. 18 E., S 15 B T.
 An oak, 14 ins., in diam. bears N. 63 1/4° W., 184 lks. dist. mkd. T 22 S., R. 18 E S 16 B T.
 An oak, 6 ins., in diam. bears S 84 3/4° W., 168 lks. dist. mkd. T 22 S R 18 E S 21 B T.
 An oak, 4 ins., in diam. bears S 16 1/4° E., 23 lks. dist. mkd. T 22 S R 18 E S 22 B T.
 Land mountainous.
 Soil rocky 3rd and 4th rate.
 Timber oak and juniper.
 Underbrush scattering oak.
 Mountainous and land covered with heavy timber 80 chains

 N. 89° 56' E., on a random line, bet. secs. 15 and 22.
 40.00 Set temp. 1/4 sec. cor.
 79.85 Intersect the N. and S. line, at a point, 15 lks. N. of the corner to sections, 14, 15, 22 and 23; thence I run, N. 89° 58' E., on a true line, bet. secs. 15 and 22. Over mountainous land through heavy timber. Ascending.
 11.98 Top of main divide of ridge between Coche and Lyle Canons bears N. and S. descend.
 21.25 Dry wash, 45 lks. wide, course N. W.
 39.92 Set a limestone, 18 x 6 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence, An oak, 14 ins., in diam. bears N 45° E., 98 lks. dist. mkd. 1/4 S 15 B T.
 An oak, 14 ins., in diam. bears S 1 1/2° E., 55 lks. dist. mkd. 1/4 S 22 B T.
 63.70 Wire fence bears N. and S., E. side of R. A. Rodgers pasture.
 68.80 Coche Canon, dry wash, 50 lks. wide, course N.
 72.07 Wood road bears N. and S.
 76.10 Wire fence bears N. and S., Rodgers west side of pasture.
 79.85 The corner to sections, 15, 16, 21 and 22. Land mountainous. Soil sandy and rocky 1st to 4th rate. Timber, oak and pine. Considerable oak underbrush.
 Mountainous or land covered with heavy timber 79.85 chs.

August 5th-1905.

 August 6- At the corner to secs. 15, 16, 21 and 22, at 7 hs. 35' mins., a. m., l. m. t., I set off 16° 48' N., on the decl arc; 31° 30' N., on the Lat. arc; and determine a meridian with the Solar; thence I run, N. 0° 02' W., bet. secs. 15 and 16.

Over mountainous land through timber.
 8.00 Rodgers wire fence bears N. W. and S. E. Leave pasture.
 10.00 Enter valley bears N. W. and S. E.
 22.30 Cross fence bears E. and W. and leave mountainous land and enter cultivated field.
 40.00 Set a quartz stone, 18 x 12 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence, A walnut, 24 ins., in diam. bears N 74 3/4° W., 176 lks. dist. mkd. 1/4 S 16 B T.
 No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable.
 From the 1/4 sec. cor. the S. E. Cor. of Canille Postoffice bears S 87° W., about 6 chains.
 A. J. Rodgers house and out building bears S. W. about 15.00 chs.
 40.17 Rodgers fence bears E. and W. and road to Postoffice E. and W.
 40.44 Wire fence on N. side of road.
 66.53 Wire fence bears N. E. and S. W. west line of Bowers field, leave valley and over mts.

For this mile see supplemental notes page 7

For this mile see supplemental notes page 8

15. Subdivisional lines of Tp. 22 S., R. 18 E. (Continued).

Chs. Ascending.
 69.00 Point of Spur, trending E. to valley and descend.
 72.96 Small draw bears E. and W.
 80.00 Set a quartz rock, 12 x 6 x 6 ins., 8 ins., in the
 ground for the corner to sections 9, 10, 15 and 16,
 marked with 4 notches on the S. and 3 notches on the E.
 edges; whence,
 An oak, 20 ins., in diam. bears N 57 1/2° E., 29
 lks. dist. mkd. T 22 S R 18 E S 10 B T.
 An oak, 10 ins., in diam. bears S 52 3/4° E., 55
 lks. dist. mkd. T 22 S R 18 E S 15 B T.
 An oak, 20 ins., in diam. bears N 77° W., 68 lks.
 dist. mkd. T 22 S R 18 E S 9 B T.
 No other trees within limits and raise a mound of
 stones, 2 ft. base, 1 1/2 ft. high, W. of the corner.
 Pits impracticable.
 This corner is set on the N. edge of a small ridge.
 Land mountainous and Canon valley bottom.
 Timber scattering oak.
 Underbrush oak scattering.
 Soil rocky and loamy 1st to 4th rate.
 Mountainous or land covered with heavy timber; 23.47
 chains.

 S. 89° 58' E., on a random line, bet. secs. 10 and 15.
 40. Set temp. 1/4 sec. cor.
 79.85 Intersect the N. and S. line, at a point, 22 lks. N. ³
 of the corner to secs. 10, 11, 14 and 15; thence I run,
 N. 89° 49' W., on a true line, bet. secs. 10 and 15.
 Over mountainous land between Coche and Lyle Canons.
 Through heavy timber.

17.30 Point of ridges trending to the N. E. and descend.
 27.60 Dry wash, 20 lks. wide, course N. E. and ascend.
 39.935 Set a sandstone, 20 x 18 x 14 ins., 15 ins., in the
 ground for 1/4 sec. cor. marked 1/4 on the N. face;
 whence,
 An oak, 12 ins., in diam. bears N 23 1/2° E.,
 75 lks. dist. mkd. 1/4 S 10 B T.
 An oak, 8 ins., in diam. bears S 27 1/2° E., 46
 lks. dist. mkd. 1/4 S 15 B T.
 Raise a mound of stones, 2 ft. base, 1 1/2 ft. high,
 N. of the corner.

43.50 Main divide of ridge between Coche and Lyle Canons,
 bears N. and S. and descend.
 52.33 Dry wash, 20 lks. wide, in deep, gulch, course N. W.
 Ascend.
 58.00 Sharp point of ridge bears N. W. and S. E. and descend.
 67.04 Road up Coche valley bears N. and S.
 67.20 Fence east side of Bowers field bears N. and S.
 68.50 Enter valley bears N. and S. Leave mts. land.
 78.48 Rodgers wire fence on west side of valley N. W. and S. E.
 Leave valley and ascend.
 79.85 The corner to sections, 9, 10, 15 and 16.
 Land mountainous and valley.
 Soil rocky and sandy, 1st and 4th rate.
 Timber oak and scattering juniper.
 Mountainous land 69.87 chains.

 NOTE- At the corner to sections 9, 10, 15 and 16,
 at 12 O'Clock noon, I set off 16° 45' N., on the Decl.
 arc and observe the Sun on the Meridian, the resulting
 reading on the latitude arc is 31° 31' N.

 N. 0° 02' W., bet. secs. 9 and 10.
 Over mountainous land, through scattering timber.
 14.00 Cross wire fence, west side of Bowers field, brs. N.W. & S.E.
 16.50 Leave mountainous land and enter valley bears N. W. and
 S. E.

*Further mile
 see supplemental
 page 8*

X

X

Chs.
40.00

Set a sandstone, 14 x 10 x 6 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence
A Willow, 30 ins., in diam. bears N 16° E., 122 lks. dist. mkd. 1/4 S 10 B T.
No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.

62.50

The N. W. Cor. of Bowers house bears S 53 1/4° E., about 5.00 chs. distant.
Old adobe house, E. about 2.25 chs.
Leave valley and ascend over mts. land.

72.50

Wire fence on the East side of Bowers enclosure. East W. Road up Coche valley to Post Office.

79.45

Road from Washington Camp to Huachuca bears NW and S. E.

80.

Set a limestone, 12 x 8 x 7 ins., 8 ins., in the ground for the corner to sections 3, 4, 9 and 10, marked with 5 notches on the S. and 3 notches on the E. edges, whence,
An oak, 30 ins., in diam. bears N 39° E., 220 lks. dist. mkd. T 22 S R 18 E S 3 B T.
An oak, 36 ins., in diam. bears S 5 1/4° E., 246 lks. dist. mkd. T 22 S R 18 E S 10 B T.
No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.

This corner is set on the Slope of a hill, near Junction of Huachuca and Valley roads.
Land mountainous and Valley.
Soil 1st to 4th rate, sandy and rocky.
Timber scattering oak.

Mountainous or land covered with heavy timber 34.00 chs.

S. 89° 49' E., on a random line, bet. secs. 3 and 10.
Set temp. 1/4 sec. cor.
Intersect the N. and S. line, at a point 10 lks. N. of the corner to sections 2, 3, 10 and 11; thence I run, N. 89° 45' W., on a true line, bet. secs. 3 and 10.
Over mountainous land through timber.

40.
79.70

Spur of ridge bears N. and descend.
Dry wash, 15 lks. wide, course N. and S. ascend.
Set a granite stone, 20 x 8 x 4 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence,
An oak, 10 ins., in diam. bears S. 26 1/2° E., 25 lks. dist. mkd. 1/4 S 10 B T.
An oak, 18 ins., in diam. bears N 74° E., 66 lks. dist. mkd. 1/4 S 3 B T.

17.94
22.05
39.85

Top of ridge bears N. and S. and descend.
The cor. to secs. 3, 4, 9 and 10.
Land mountainous.
Soil rocky 4th rate.
Timber oak, ash and walnut.
Underbrush scattering oak.
Mountainous land; 79.70 chains.

43.42
79.70

N. 0° 2' W., on a random line, bet. secs. 3 and 4.
Set tep. 1/4 sec. cor.
Intersect the North boundary of the Tp. at a point, 39 lks. W. of the cor. to secs. 3, 4, 33 and 34; thence I run, S. 0° 15' W., on a true line, bet. secs. 3 and 4.
Over mountainous land through heavy timber.
Ascending.
Wire fence bears E. and W.
Dry wash, 20 lks. wide, course N. E.
Main divide bears N. W. and S. E.
Set a sandstone, 12 x 12 x 8 ins., 8 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face, whence

40.
80.31

1.10
19.40
35.10
40.31

Set a sandstone, 12 x 12 x 8 ins., 8 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face, whence

For this mile see supplemental notes page 8

For this mile see supplemental notes page 9

For this mile see supplemental notes page 10

17.

Subdivisional lines of Tp. 22 S., R. 18 E.

Continued.

chs.
 An oak, 18 ins., in diam. bears N. 38 1/2° W., 191 lks. dist. mkd. 1/4 S 4 B T.
 An oak, 8 ins., in diam. bears S 69 1/4° E., 264 lks. dist. mkd. 1/4 S 3 B T.
 46.43 Dry wash, 20 lks. wide, course N. W.
 56.00 Wire fence bears E. and W.
 60.53 Spur of ridge course W. and descend.
 80.31 The corner to sections, 3, 4, 9 and 10.
 Land mountainous.
 Soil rocky 3rd and 4th rate.
 Timber heavy oak and some juniper.
 Undergrowth oak, scattering.
 Mountainous or land covered with heavy timber 80.31 chs.
 August 6th, 1905.

 August 7- At the corner to secs. 4, 5, 32 and 33 on the South boundary of the Township, at 7¹/₂ a. m., 1. m. t., I set off 16° 32' N., on the declination arc; 31° 28' N. on the Latitude arc; and determine a meridian with the Solar; thence I run, N. 0° 02' W., on a true line bet. secs. 32 and 33. Ascending over steep slope of Canille Mountains. Through scattering timber.
 40.00 Set a granite stone, 36 x 18 x 14 ins., 27 ins., in the ground, for 1/4 sec. cor. marked 1/4 on the W. face; whence,
 An oak, 4 ins., in diam. bears S 10° E., 111 lks. dist. marked 1/4 S 33 B T.
 No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
 43.95 Top of Main ridge of Canille Mountains bears N. E. and S. W. and descend.
 67.54 Dry wash, 20 lks. wide, course N. W. and ascend.
 72.00 Point of spur bears N. W.
 78.11 Dry wash, 20 lks. wide, course N. E. and ascend.
 80.00 Set a granite stone, 16 x 12 x 10 ins., 11 ins., in the ground for the corner to sections, 28, 29, 32 and 33, marked with 1 notch on the S. and 4 notches on the E. edges; whence,
 An oak, 10 ins., in diam. bears N 10 1/4° W., 34 lks. dist. mkd. T 22 S R 18 E S 29 B T.
 An oak, 16 ins., in diam. bears S 68 1/2° E., 119 lks. dist. mkd. T 22 S R 18 E S 33 B T.
 An oak, 10 ins., in diam. bears S 42 1/4° W., 60 lks. dist. mkd. T 22 S R 18 E S 32 B T.
 No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
 Land mountainous.
 Soil rocky 3rd and 4th rate.
 Timber oak, scattering pine and juniper, some mahogany.
 Undergrowth oak and manzanito.
 Mountainous land 80.00 chs.

 EAST, on a random line, bet. secs. 28 and 33.
 40. Set temp. 1/4 sec. cor.
 80.25 Intersect the N. and S. line, at a point, 21 of the cor. to secs. 27, 28, 33 and 34; thence N. 89° 51' W., on a true line, bet. secs. 28 and 33. Over mountainous land; descending through heavy timber.
 7.50 Dry wash, 25 lks. wide, course N. and ascend.
 13.49 Top of point of ridge trending north and descend.
 18.76 Dry wash, 15 lks. wide, course N. and ascend.
 27.26 Dry wash, 25 lks. wide, course N. W.
 40.125 Set a granite stone, 14 x 11 x 10 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face

	Chs.	whence, An oak, 16 ins., in diam. bears S 31 3/4° E., 22 lks. dist. mkd. 1/4 S 33 B T. A Juniper, 9 ins., in diam. bears N. 24 3/4° E., 53 lks. dist. mkd. 1/4 S 28 B T. Raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Spur of ridge bears N. Dry wash, 20 lks. wide, course N W. Spur of ridge trending to the N. Dry wash, 20 lks. wide, course N. E. The corner to sections, 28, 29, 32 and 33. Land mountainous. Soil rocky 3rd and 4th rate. Heavy timber of oak, pine, juniper and mountain mahogany. Undergrowth oak and manzanito and some scrub mahogany. Mountainous and heavily timbered land 80.25 chs.
	50.95	
	59.20	
	72.00	
	78.52	
	80.25	
		N. 0° 02' W., bet. secs. 28 and 29. Over mountainous land through timber. Point of ridge trending to the northeast. Dry wash, 20 lks. wide, course N. W. and ascend. Point of ridge trending to the N. W. Set a granite stone, 12 x 10 x 6 ins., 8 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence, An oak, 24 ins., in diam. bears S 86 1/4° E., 8 lks. dist. mkd. 1/4 S 28 B T. A pine, 10 ins., in diam. bears S 32° W., 40 lks. dist. marked 1/4 S 29 B T. Raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Dry wash, 20 lks. wide, in deep gulch, course N. W. Ascend over S. W. slope of ridge. Set a granite stone, 16 x 12 x 9 ins., 11 ins., in the ground for the corner to sections, 20, 21, 28 and 29, marked with 2 notches on the S. and 4 notches on the E. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. No bearing trees within limits. Pits impracticable. Land mountainous. Soil rocky 3rd and 4th rate. Timber pine and oak. Underbrush oak and manzanito. Mountainous land 80.00 chs.
	6.50	
	17.83	
	37.04	
	40.00	
		S. 89° 51' E., on a random line, bet. secs. 21 and 28. Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point, 10 lks. N. of the corner to sections, 21, 22, 27 and 28; thence I run, N. 89° 47' W., on a true line, bet. secs. 21 and 28. Descending over mountainous land through timber. Dry wash, 15 lks. wide, course N. E. and ascend. Main ridge of divide west of Coche canon bears N. W. and S. E. and descend. Dry wash, 40 lks. wide, course N. and ascend. Set a granite stone, 16 x 15 x 6 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence, An oak, 4 ins., in diam. bears S 25° E., 90 lks. dist. marked 1/4 S 28 B T. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No other bearing trees within the limits. Dry wash, 15 lks. wide, course S. E. Top of ridge bears N. and S. and descend. The corner to sections, 20, 21, 28 and 29.
	40.50	
	80.00	
	40.	
	80.22	
	14.70	
	19.20	
	37.20	
	40.11	
	66.54	
	78.85	
	80.22	

For last 1/2 mile
see supplemental
notes Page 10.

For this mile
see supplemental
notes Page 10.

Chs. Land mountainous and very rocky.
Soil 4th rate.
Timber pine, oak and juniper.
Undergrowth oak and manzanito.
Mountainous land 80.22 chains.

N. 0° 02' W., bet. secs. 20 and 21.
Over mountainous land through heavy timber.

5.00 Top of ridge bears NW and S. E., thence along the N. E. slope of same descending.

28.11 Dry wash, 10 lks. wide, course E.

40.00 Set a quartz stone, 16 x 14 x 8 ins., 11 ins., in the ground for the 1/4 sec. cor. mkd. 1/4 on the W. face; whence,
An oak, 5 ins., in diam. bears S 36° W., 20 lks. dist. mkd. 1/4 S 20 B T.
An oak, 8 ins., in diam. bears N 42° E., 33 lks. dist. mkd. 1/4 S 21 B T.

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

80.00 Set a quartz stone, 18 x 14 x 6 ins., 12 ins., in the ground for the corner to sections 16, 17, 20 and 21, marked with 3 notches on the S. and 4 on the E edges; whence,
An oak, 8 ins., in diam. bears N. 16° E., 30 lks. dist. mkd. T 22 S R 18 E S 16 B T.
An oak, 4 ins., in diam. bears N 16° W., 40 lks. dist. mkd. T 22 S R 18 E S 17 B T.
An oak, 5 ins., in diam. bears S 33° W., 33 lks. dist. mkd. T 22 S R 18 E S 20 B T.
No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable.
Land mountainous.
Soil 3rd and 4th rate.
Timber oak, juniper and some pine.
Dense underbrush oak oak.
Mountainous and land covered with dense brush 80. chs. August 7th, 1905.

August 8- At the section corner just previously described at 7 hours, 41 minutes, a. m., l. m. t., I set off 31° 30' N., on the Lat. arc, 16° 15' N., on the declination arc and determine a meridian with the Solar; thence I run,
S. 89° 47' E., on a random line, bet. secs. 16 and 21.

40. Set temp. 1/4 sec. cor.

79.79 Intersect the N. and S. line, at a point 22 lks. S. of the corner to sections 15, 16, 21 and 22; thence I run, N. 89° 56' W., on a true line, bet. secs. 16 and 21.

30.05 Over mountainous land through heavy timber; ascending. Summit of divide bears N. and S., between Coche and Clark Canons; descend.

39.895 Set a sandstone, 14 x 14 x 8 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence,
An oak, 18 ins., in diam. bears N 39 1/2° W., 129 lks. dist. mkd. 1/4 S 16 B T.
An oak, 14 ins., in diam. bears S 37 1/4° E., 66 lks. dist. mkd. 1/4 S 21 B T.

45.10 Dry wash, 10 lks. wide, course N. W.

50.04 Top of spur bears N. W.

61.70 Dry wash, 30 lks. wide, course N. and ascend.

79.79 The corner to sections 16, 17, 20 and 21.
Land mountainous.
Soil rocky 3rd and 4th rate.
Timber heavy oak, juniper and scattering pine.
Undergrowth scattering oak.
Mountainous and land covered with heavy timber 79.79 chs.

For this mile see supplemental notes Page 11.

For this mile see supplemental notes Page 11.

X

X

For this mile see supplemental notes page 12.

For this mile see supplemental notes page 12.

For this mile see supplemental notes page 13.

Chs.	N. 0° 02' W., bet. secs. 16 and 17. Over mountainous land through timber. Descending over N. E. slope of ridge on point trending to the N.
40.00	Set a sandstone, 16 x 11 x 9 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. No bearing trees within limits.
63.10	Dry wash, 20 lks. wide, course N. W.
80.00	Set a granite stone, 20 x 14 x 12 ins., 15 ins., in the ground for the corner to sections 8, 9, 16 and 17, marked with 4 notches on the S. and E. edges; whence An oak, 8 ins., in diam. bears N 59 3/4° E., 43 lks. dist. mkd. T 22 S R 18 E, S 9 B T. An oak, 30 ins., in diam. bears S 71 1/2° E., 56 lks. dist. mkd. T 22 S R 18 E S 16 B T. An oak, 20 ins., in diam. bears N 38 1/2° W., 3 lks. dist. mkd. T 22 S R 18 E S 8 B T. An oak, 16 ins., in diam. bears S 67° W., 4 lks. dist. mkd. T 22 S R 18 E S 17 B T. Raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Land mountainous. Soil rocky 3rd and 4th rate. Timber oak. Underbrush scrub oak. Mountainous land 80.00 chs.
40.	S. 89° 56' E., on a random line, bet. secs. 9 and 16.
80.20	Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point, 16 lks. N. of the corner to sections, 9, 10, 15 and 16; thence I run, N. 89° 49' W., on a true line bet. secs. 9 and 16. Ascending over mountainous land through heavy timber.
23.70	Point of ridge bears S. E.
24.95	Dry wash, 8 lks. wide, course S. E.
29.30	Ridge bears N. E. and descend.
29.35	Bowers wire fence bears N. and S. and descend.
32.55	Dry wash, 12 lks. wide, course N. E.
33.00	Main divide, bears N. W. and S. E. and descend.
40.10	Set a limestone, 12 x 12 x 8 ins., 8 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high N. of the corner. Pits impracticable. No bearing trees within limits.
50.90	Dry wash, 51 lks. wide, course N. E. and ascend.
63.54	Descend.
80.20	The corner to sections, 8, 9, 16 and 17. Land mountainous. Soil rocky 3rd and 4th rate. Timber oak and juniper. Underbrush scrub oak and juniper. Mountainous or land covered with heavy timber 80.20 chs. August 8th, 1905.
	August 9- At the corner to secs. 8, 9, 16 and 17, at 8 hours, 10 mins. a. m., 1. mt. I set off 15° 57' N., on the decl. arc; 31° 31' N., on the lat. arc and determine a meridian with the Solar; thence I run, N 0° 02' W., bet. secs. 8 and 9. Over rolling valley.
10.15	Dry wash, 130 lks. wide, course N. E. and enter valley bears N. E. and S. W., and corn field.
17.00	Clarks house bears W. about 4.50 chs. dist. On side of hill west of valley.

chs.	
32.46	Dry wash, 30 lks. wide course E.
33.80	Cross fence bears E. and W.
40.00	Set a limestone, 20 x 16 x 8 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence, An oak, 12 ins., in diam. bears N 21 1/2° E., 87 lks. dist. mkd. 1/4 S 9 B T. A Black Walnut, 8 ins., in diam. bears N. 58° W., 112 lks. dist. mkd. 1/4 S 8 B T.
60.85	Cross fence bears E. and W.
62.20	Bailey's house bears W. about 9.00 chs.
80.00	Set a limestone, 14 x 12 x 8 ins., 9 ins.; in the ground for the corner to sections 4, 5, 8 and 9, marked with 5 notches on the S. and 4 notches on the E. edges; whence, A black walnut, 48 ins., in diam. bears N. 30° W., 279 lks. dist. marked T 22 S R 18 E S 5 B T. No other trees within limits and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable. Land rolling valley. Soil sandy and loamy 1st and 2nd rate. Scattering oak and walnut timber. Undergrowth scattering oak and manzanito. NOTE- The valley land over which the line bet. sections 8 and 9 traverses is from 5 to 12 chains wide of good fertile and level soil. The country on each side of the valley is rough mountains covered with oak and black walnut timber.
40.	S. 89° 49' E., on a random line, bet. secs. 4 and 9.
79.75	Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point 10 lks. N. of the corner to sections 3, 4, 9 and 10; thence I run, N. 89° 45' W., on a true line, bet. secs. 4 and 9. Over mountainous land through heavy timber descending
9.30	Camp Washington and Fairbanks Road bears N. W. and S. E.
9.70	Dry wash, 60 lks. wide, in Coche Canon, course N. Ascend.
16.43	Parkers house bears N. about 4.50 chs.
25.60	Fairbanks and Camp Washington road bears N. E. and S. W.
27.30	Fairbanks and Camp Washington Road bears N. W. and S. E.
39.875	Set a granite stone, 18 x 14 x 12 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; whence, An oak, 18 ins., in diam. bears S 48° E., 19 lks. dist. mkd. 1/4 S 9 B T. An oak, 5 ins., in diam. bears N 19 3/4° E., 54 lks. dist. mkd. 1/4 S 4 B T.
46.00	Top of divide between Coche and Rice Canons. Descend.
66.60	Wire fence bears N. and S. Foot of ridge; leave mountainous land and enter valley of Rice Canon bears N. and S.
67.95	Dry wash, 30 lks. wide, course N.
79.75	The corner to sections 4, 5, 8 and 9. Land mountainous and valley. Soil 1st to 4th rate. Sandy and rocky. Timber oak. Mountainous or land covered with heavy timber 66.60 chs. Valley land along Rice Canon bottom 13.15 chs.
40.00	N. 0° 02' W., bet. secs. 4 and 5. Set temp. 1/4 sec. cor.

For this mile see supplemental notes page 13.

X
For this mile
see supplemental
notes page 13.

Chs.
80.17 Intersect the north boundary of the Tp. at a point, 46 lks. W. of the corner to sections 4, 5, 32 and 33. Thence I run, S. 0° 18' W., bet. secs. 4 and 5. Over rolling and valley land through timber. Ascending.

2.95 Carter's wire fence on S. side of road from Fairbanks to Camp Washington N. W. and S. E.

11.20 Fairbanks and Camp Washington road bears N. E. and S. W.

11.70 Goodwins wire fence bears N. E. and S. W. Enter cultivated field.

31.80 A Cross wire fence bears E. and W. Mr. Goodwins house bears W. about 5.00 chs. dist.

40.17 Set a granite stone, 16 x 10 x 8 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence,
A Cottonwood, 12 ins., in diam. bears S 79 1/2° E., 555 lks. dist. mkd. 1/4 S 4 B T.
No other trees within limits; dig pits, 18 x 18 x 12 ins., N. and S. of stone, and raise a mound of stones 2 ft. base, 1 1/2 ft. high, W. of the corner.
This corner is set in an alfalfa field about 8.00 chains wide, east and west, at this point.

54.70 Cross wire fence bears E. and W. and leave alfalfa field.

68.28 Wire fence; leave Goodwins field bears E. and W.

74.10 Cross road bears N. E. and S. W.

77.65 Wire fence bears E. and W. (Bailey's N. line.)

80.17 The corner to sections, 4, 5, 8 and 9. Land rolling and valley. Soil sandy and loamy; 1st to 2nd rate. Scattering oak, and cottonwood and walnut in valley. Undergrowth scattering manzanito. August 9th, 1905.

August 10- At the corner to sections, 31 and 32 on the south boundary of the township, at 7 hours, 35 minutes, a. m., 1. m. t., I set off 31° 28' N., on the Latitude arc; 15° 41' N., on the Decl. arc and determine a meridian with the Solar. Thence I run, N. 0° 03' W., bet. secs. 31 and 32. Gradually ascending over mountainous land through heavy timber.

2.00 Dry wash, 10 lks. wide, course S. W.

20.35 Dry wash, 20 lks. wide, course S. W.

40.00 Set a granite stone, 13 x 11 x 6 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence,
An oak, 10 ins., in diam. bears N 58° E., 20 lks. dist. mkd. 1/4 S 32 B T.
An oak, 10 ins., in diam. bears S 35° W., 16 lks. dist. mkd. 1/4 S 31 B T.

43.40 Dry wash, 25 lks. wide, course S. W. Ascend steep rocky S. W. slope of Canille Mountains.

75.75 Top of spur trending to the N. W. and descend.

80.00 Set a quartz rock, 14 x 12 x 8 ins., 8 ins., in the ground for the corner to sections, 29, 30, 31 and 32; marked with 1 notch on the S. and 5 notches on the E. edges; whence,
An oak, 8 ins., in diam. bears N 64 1/4° W., 59 lks. dist. mkd. T 22 S R 18 E S 30 B T.
An oak, 6 ins., in diam. bears N 45° E., 51 lks. dist. mkd. T 22 S R 18 E S 29 B T.
An oak, 6 ins., in diam. bears S 30 1/2° E., 30 lks. dist. mkd. T 22 S R 18 E S 32 B T.
A juniper, 6 ins., in diam. bears S 9 1/4° W., 56 lks. dist. mkd. T 22 S R 18 E S 31 B T.
Land mountainous. Timber oak and juniper.

Chs.	Underbrush of oak and scrub juniper. Soil rocky 4th rate. Mountainous and land covered with heavy timber and dense brush. 80.00 chains.
40. 80.36	----- EAST, on a random line, bet. secs. 29 and 32. Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point, 25 lks. N. of the corner to sections, 28, 29, 32 and 33. Thence I run, N. 89° 49' W., on a true line, bet. secs. 29 and 32. Ascending over mountainous land through heavy timber. Change to N. W. slope of mountain.
22.96 30.15	Dry wash, 15 lks. wide, course N. E. and ascend main ridge of Canille Mountains.
40.18	Set a granite stone, 20 x 12 x 7 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No bearing trees within limits.
65.50 80.36	Top of main ridge bears N. W. and S. E. descend. The corner to sections, 29, 30, 31 and 32. Land mountainous. Soil rocky 3rd and 4th rate. Timber oak, juniper and pine. Undergrowth oak and scrub juniper. Mountainous, and land covered with heavy timber 80.36 chains.
40. 78.89	----- WEST, on a random line, bet. secs. 30 and 31. Set temp. 1/4 sec. cor. Intersect the west boundary of the township, at a point 10 lks. S. of the corner to sections 25, 30, 31 and 36 thence I run, S. 89° 56' E., on a true line, bet. secs. 30 and 31. Descending over mountainous land through timber.
17.54	Dry wash, 35 lks. wide, course S. E.
19.25	Dry wash, 20 lks. wide, course S. E. and ascend.
30.00	Cross point of ridge trending to the South and descend.
36.35	Dry wash, 30 lks. wide, course S.
38.89	Set a quartz rock, 16 x 12 x 6 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence, An oak, 8 ins., in diam. bears S 10 3/4° E., 37 lks. dist. mkd. 1/4 S 31 B T. An oak, 10 ins., in diam. bears N. 60 1/2° E., 47 lks. dist. mkd. 1/4 S 30 B T. Raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner.
41.97	Dry wash, 15 lks. wide, course S. E.
52.50	Dry wash, 20 lks. wide, course S. E. Ascend main Canille Range.
78.89	The corner to sections, 29, 30, 31 and 32. Land mountainous. Soil rocky 3rd rate. Timber oak juniper and some pine. Undergrowth oak. Mountainous and land covered with heavy timber; 78.89 chains.
6.20	----- N. 0° 03' W., bet. secs. 29 and 30. Over mountainous land through timber. Dry wash, 20 lks. wide, course S. W.
40.00	Ascend S. W. slope of main mountain ridge. Set a quartz rock, 14 x 8 x 8 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft.

For 1st half mile
see supplemental
notes Page 11

Chs.	W. of the corner. Pits impracticable. No bearing trees within limits.
58.50	Top of main ridge bears N. W. and S. E. and descend.
80.00	Set a granite rock, 20 x 18 x 12 ins., 15 ins., in the ground for. the cor. to secs. 19, 20, 29 and 30, marked with 2 notches on the S. and 5 notches on the E. edges, and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. No bearing trees within limits. Land mountainous. Soil rocky 4th rate. Timber scattering oak, juniper and some pine. Underbrush manzanito and oak scattering. Mountainous land 80. chs.

	August 10th- At the corner just previously described at 10 hours, 05 minutes a. m., 1. m. t., I set off 15° 38' N., on the Decl. arc; 31° 30' N., on the Latitude arc and determine a meridian with the Solar; thence I run, S. 89° 49' E., on a random line, bet. secs. 20 and 29.
40.	Set temp. 1/4 sec. cor.
80.22	Intersect the N. and S. line, at a point 10 lks. N. of the cor. to secs. 20, 21, 28 and 29; thence I run, N. 89° 45' W., on a true line, bet. secs. 20 and 29. Over mountainous land through timber descending.
26.53	Dry wash, 40 lks. wide, course N. W.
28.52	Dry wash, 35 lks. wide, course N.
38.35	Point of ridge trending to the South.
40.11	Set a granite stone, 16 x 10 x 8 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No bearing trees in limits.
58.60	Dry wash, 35 lks. wide, course N. E. and ascend.
77.50	Spur of ridge bears N. W.
80.22	The corner to sections 19, 20, 29 and 30. Land mountainous. Soil rocky 4th rate. Timber scattering oak, pine and juniper. Undergrowth scattering manzanito and oak brush. Mountainous land 80.22 chs.

40.	N. 89° 56' W., on a random line, bet. secs. 19 and 30.
78.61	Set temp. 1/4 sec. cor. Intersect the west boundary of the Tp. at a point, 37 lks. S. of the corner to sections, 19, 24, 25 and 30; thence I run, S. 89° 40' E., on a true line, bet. secs. 19 and 30. Descending.
5.50	Washington Camp and Fairbanks wagon road bears N. E. and S. W.
8.21	Dry wash, 15 lks. wide, course S. E.
32.00	Top of main ridge of divide bears E. S. E. and N. N. W.
38.61	Set a granite stone, 18 x 18 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No bearing trees in limits.
67.05	Descend.
75.36	Dry wash, 30 lks. wide, course N. and ascend.
78.61	The corner to sections, 19, 20, 29 and 30. Land rough mountains. Soil rocky 4th rate. Timber scattering juniper oak and pine. Underbrush oak and manzanito. Mountainous land 78.61 chains.

<p>Chs.</p> <p>16.30</p> <p>40.00</p> <p>56.00</p> <p>79.25</p> <p>80.00</p> <p>40.</p> <p>80.10</p> <p>12.50</p> <p>28.71</p> <p>37.53</p> <p>37.70</p> <p>40.05</p> <p>51.30</p> <p>55.50</p> <p>80.10</p> <p>40.</p> <p>78.20</p> <p>11.00</p>	<p>N. 0° 03' W., bet. secs. 19 and 20. Over mountainous land through timber. Descending over N. W. slope of mountains. Dry wash, 20 lks. wide, course N. E. Set a granite stone, 16 x 10 x 8 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. No bearing trees in limits. Dry wash, 18 lks. wide, course N. E. Dry wash, 20 lks. wide, course N. E. Set a granite stone, 20 x 14 x 10 ins., 15 ins., in the ground for the corner to sections 17, 18, 19 and 20 marked with 3 notches on the S. and 5 notches on the E. edges; whence, An oak, 8 ins., in diam. bears N 59 1/4° E., 43 lks. dist. mkd. T 22 S R 18 E S 17 B T. An oak, 20 ins., in diam. bears N 38 1/2° W., 3 lks. dist. mkd. T 22 S R 18 E S 18 B T. An oak, 16 ins., in diam. bears S 67° W., 4 lks. dist. mkd. T 22 S R 18 E S 19 B T. An oak, 30 ins., in diam. bears S 71 1/2° E., 56 lks. dist. mkd. T 22 S R 18 E S 20 B T. Land mountainous. Soil rocky 3rd and 4th rate. Timber oak, juniper and pine. Underbrush, oak, juniper and pine. Mountainous land 80.00 chains.</p> <p style="text-align: right;">August 10th, 1905.</p> <p>-----</p> <p>August 11th- At the corner to sections 17, 18, 19 and 20, I set off 31° 30' N., on the Lat. arc; 15° 23' N., on the decl. arc; and at 7 hours, 41 minutes, a. m., 1. m. t., determine a meridian with the Solar; thence I run, S. 89° 45' 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, 5 lks. N. of the corner to sections, 16, 17, 20 and 21; thence I run, N. 89° 43' W., on a true line, bet. secs. 17 and 20. Over mountainous land through heavy timber. Ascending. Top of ridge bears N. and S. Descend into deep canon. Dry wash, in canon, 40 lks. wide, and ascend. (Course N.) Old road bears N. and S. Set a granite stone, 15 x 8 x 8 ins., 10 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No bearing trees in limits. Spur of ridge trending to the N. and descend. Dry wash, 20 lks. wide, course N. W. and ascend. The corner to sections, 17, 18, 19 and 20. Land mountainous. Soil rocky 3rd and 4th rate. Timber juniper pine and oak. Underbrusk, oak juniper and pine. Mountainous land 80.10 chains.</p> <p>-----</p> <p>N. 89° 40' W., on a random line bet. secs. 18 and 19. Set temp. 1/4 sec. cor. Intersect the west boundary of the Tp. at a point, 12 lks. N. of the corner to sections, 13, 18, 19 and 24, thence I run, S. 89° 45' E., on a true line, bet. secs. 18 and 19. Descending over mountainous land through timber. Road from Camp Washington to Fairbanks, bears N. E. and S. W.</p>
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Chs.	Description
17.90	Dry wash, 15 lks. wide, course N. E.
22.60	Dry wash, 15 lks. wide, course N. E.
38.20	Set a granite stone, 12 x 8 x 8 ins., 8 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No bearing trees within limits.
	NOTE- At 12 O'clock, noon, at this 1/4 sec. cor. I set off 15° 19' N., on the decl. arc and observe the Sun on the Meridian, the resulting latitude is 31° 30' N.
42.20	Dry wash, 20 lks. wide, course N. W.
60.11	Spur of ridge trending to the N. E.
78.20	The corner to sections, 17, 18, 19 and 20. Land mountainous and rough. Timber oak and juniper. Soil 3rd and 4th rate. Underbrush oak and juniper. Mountainous land 88.20 chains.
	----- N. 0° 03' W., bet. secs. 17 and 18. Over mountainous land through timber.
36.50	Descend.
37.05	Dry wash, 30 lks. wide, N. E. and ascend.
40.00	An oak, 10 ins., in diam. on ledge, for 1/4 sec. cor. I mark 1/4 S., on W. side and raise a mound of stones around tree. Pits impracticable. No bearing trees within limits.
46.50	Road to Camp Washington and Fairbanks bears N. E. & S. W.
80.00	Set a granite stone, 16 x 8 x 6 ins., 11 ins., in the ground for the corner to sections, 7, 8, 17 and 18, marked with 4 notches on the S. and 5 notches on the E. edges and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. No bearing trees in limits. Land mountains. Soil rocky 4th rate. Timber oak and juniper. Underbrush scrub oak. Mountainous land 80. chains.
	Aug. 11, 1905.
	----- August 12- At the corner just previously described, at 7 hs. 35 mins. a. m., 1. m. t., I set off 18° 05' N., on the decl. arc; 31° 31' N., on the Lat. arc and determine a meridian with the Solar. Thence I run, S. 89° 43' E., on a random line, bet. secs. 8 and 17.
40.	Set temp. 1/4 sec. cor.
79.76	Intersect the N. and S. line, at a point, 10 lks. S. of the corner to sections 8, 9, 16 and 17. Thence I run, N. 89° 47' W., bet. secs. 8 and 17. Over mountainous land through timber.
5.80	Dry wash, 70 lks. wide, course N. and ascend. Leave timber.
10.40	Old road bears N. and S.
11.50	Re-enter timber; leave opening or park, N. and S.
33.80	Camp Washington and Fairbanks Road bears N. E. and S. W.
39.88	Set a sandstone, 16 x 12 x 18 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; & raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. No bearing trees in limits.
79.76	The corner to sections 7, 8, 17 and 18. Land mountainous.

For this mile see Supplemental notes Page 14

chs.	<p>Soil rocky and 4th rate. Timber oak and juniper. Underbrush oak. Mountainous land 79.76 chains.</p>
40. 78.14	<p>N. 89° 45' W., on a random line, bet. secs. 7 and 18. Set temp. 1/4 sec. cor. Intersect the west boundary of the Tp. at a point, 4 lks. N. of the cor. to secs. 7, 12, 13 and 18; thence I run, S. 89° 47' E. on a true line, bet. secs. 7 and 18.</p>
3.04	<p>Descending over mountainous land through timber.</p>
19.40	<p>Dry wash, 30 lks. wide, course S.</p>
31.00	<p>Dry wash, 30 lks. wide, course S.E.</p>
38.14	<p>Change to the N. E. slope of ridge.</p>
✓	<p>Set a limestone, 18 x 14 x 10 ins., 12 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.</p>
78.14	<p>No bearing trees in limits. The corner to sections, 7, 8, 17 and 18. Land mountainous. Soil rocky 4th rate. Timber oak and juniper. Mountainous land 78.14 chains.</p>
2.00	<p>N. 0° 02' W., bet. secs. 7 and 8. Over mountainous land through timber.</p>
35.30	<p>Top of long spur trending to the E. and descend.</p>
40.00	<p>Dry wash, 20 lks. wide, course N. E. and ascend. Set a limestone, 18 x 10 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner.</p>
47.00	<p>Pits impracticable. No bearing trees in limits.</p>
71.30	<p>Low ridge of spur trending to the E. and descend.</p>
80.00	<p>Dry wash, 15 lks. wide, course N. E. 25 feet deep. Set a limestone, 14 x 10 x 8 ins., 12 ins., in the ground for the cor. to sections, 5, 6, 7 and 8, marked with 5 notches on the S. and E. edges, whence, An oak, 10 ins., in diam. bears N 32 3/4° E., 14 lks. dist. mkd. T 22 S R 18 E S 5 B T. An oak, 14 ins., in diam. bears N 56 1/4° W., 81 lks. dist. mkd. T 22 S R 18 E S 6 B T. An oak, 20 ins., in diam. bears S 48 1/4° W., 56 lks. dist. mkd. T 22 S R 18 E S 7 B T. An oak, 18 ins., in diam. bears S 22 1/2° E., 97 lks. dist. mkd. T 22 S R 18 E S 8 B T.</p>
✓	<p>Land mountainous. Soil rocky 4th rate. Timber oak and juniper. Underbrush oak. Mountainous land 80. chains.</p>
<p>August 12-1905.</p>	
40. 79.76	<p>Aug. 13- At the section corner just previously described at 8 hours, 10 mins., a. m., 1. m. t., I set off 14° 46 1/2' N. on the Decl. arc; 31° 32' N. on the Lat. arc and determine a meridian with the Solar. Thence I run, S. 89° 47' E., on a random line, bet. secs. 5 and 8. Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point, 12 lks. S. of the corner to sections 4, 5, 8 and 9. Thence I run, N. 89° 52' W., bet. secs. 5 and 8. Over mountainous land through timber.</p>
2.00	<p>Ascend.</p>

For this mile see supplemental notes page 14.

For this mile see supplemental notes page 14.

4.60	Mr. Bailey's fence bears N. and S. East side of Fairbanks and Camp Washington Road.
5.73	Bailey's fence on west side of road bears N. and S.
35.18	Baileys fence on west side of pasture bears N. E. & S. W.
39.88	Set a quartz rock, 12 x 8 x 8 ins., 8 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence, An oak, 10 ins., in diam. bears N 24° W., 29 lks. dist. mkd. 1/4 S 5 B T. An oak, 10 ins., in diam. bears S 1° W., 182 lks. dist. mkd. 1/4 S 8 B T.
45.00	Spur of ridge trending to the N. E. and descend.
48.55	Dry wash, 15 lks. wide, course N. and ascend.
58.00	Spur of ridge bears N. E. and descend.
74.50	Dry wash, 50 lks. wide, course N. E.
79.76	The corner to sections, 5, 6, 7 and 8. Land mountainous. Soil rocky 4th rate. Timber oak and juniper. Underbrush oak. Mountainous land 79.76 chains.
40.	N. 89° 47' W., on a random line, bet. secs. 6 and 7.
78.37	Set temp. 1/4 sec. cor. Intersect the W. boundary of the Tp. at a point 8 lks. S. of the corner to sections, 1, 6, 7 and 12. Thence I run, S. 89° 44' E., on a true line, bet. secs. 6 and 7. Over mountainous land through timber descending.
38.37	Set a limestone, 16 x 6 x 8 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. No bearing trees. Pits impracticable.
46.50	Dry wash, 12 lks. wide, course N. E. & ascend.
78.37	The corner to sections, 5, 6, 7 and 8. Land mountainous. Soil rocky 4th rate. Timber oak. Underbrush oak. Mountainous land 78.37 chains.
40.	N. 0° 03' W., on a random line, bet. secs. 5 and 6.
80.45	Set temp. 1/4 sec. cor. Intersect the north boundary of the Tp. at a point, 45 lks. W. of the corner to sections, 5, 6, 31 and 32, thence I run, S 0° 16' W., on a true line, bet. secs. 5 and 6. Over mountainous land through timber.
17.50	Dry wash, 30 lks. wide, course S. E.
40.45	Set a limestone, 14 x 10 x 6 ins., 9 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. No bearing trees in limits.
55.00	Spur of ridge bears E.
67.10	Dry wash, 10 lks. wide, course E.
74.00	Spur of ridge bears E.
80.45	The corner to sections, 5, 6, 7 and 8. Land mountainous. Soil rocky 4th rate. Timber oak and juniper scattering. Underbrush oak. Mountainous land 80.45 chains.

August 13th-1905.

G E N E R A L D E S C R I P T I O N .

The land in the South and west portions of this township is made very rough and broken by the High Canille Range of mountains, which enter the township at the S. E. Corner of Sec. 34 and taking a northwesterly direction through the township. The Huachuca Range of Mountains skirt the eastern portion of the Township. There are three distinct mountain ridges traversing the entire length of the township from north to south being a part of the Canille Range.

The township is well timbered in many portions the timber being very heavy and could be utilized for commercial purposes. The timber consists of Oak, Pine, Juniper and some White Pine, while Mahogany, ash, sycamore and Cottonwood are found in the Canons and washes at the foot of the ridges.

Lyle Creek, which flows through the township, has living water at intervals throughout its length through Tp. 22 S., R. 18 E. Coche and Rice washes on the contrary only carry water during the rainy seasons.

The township is fine grazing land and covered with rich grasses.

Thirteen settlers of the township are engaged in stock raising. ~~W~~ Rodgers in Sec. 16, Bowers in Sec. 9 and 10, Parker in Sec. 4, Goodwin in Sec. 4 and 5, and Clark in Sec. 8 and 9, are successfully raising alfalfa, corn and sorghum.

John M. Ingalls
U. S. Deputy Surveyor.

LIST OF NAMES.

A list of the names of the individuals employed by

John M. Ingalls

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 line of Twp 22 S. R. 18 E.

showing the respective capacities in which they acted:

D. Roy Shrode, Chairman.

Harry S. Ingalls, Chairman.

Moundman.

Moundman.

J. S. Kline, Axman.

Bruce M. Hyde, Flagman.

Frank C. Willard, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

John M. Ingalls

United States Deputy Surveyor, in surveying all

those parts or portions of the Subdivisional line of Township No. 22 S. R. 18 E.

6th 6th 6th meridian, 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

D. Roy Shrode, Chairman.

Harry S. Ingalls, Chairman.

Moundman.

Moundman.

J. S. Kline, Axman.

Bruce M. Hyde, Flagman.

Subscribed and sworn to before me this 15th day of Aug, 1891

John M. Ingalls, U.S. Deputy Surveyor



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John M. Ingalls, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank D. Ingalls United States Surveyor General for Arizona, bearing date of the 4th day of May 1905, 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

the Subdivisional lines of T 22 S. R 18 E of the Gila and Salt River meridian, in the territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John M. Ingalls
United States Deputy Surveyor.

Subscribed by said John M. Ingalls, and sworn to before me }
this 21st day of August, 1899 1905

Frank D. Ingalls
U.S. Surveyor Genl.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ar., July 22nd 1907

The foregoing field notes of the survey of the subdivisional lines of T 22 S. R 18 E of the Gila and Salt River Base and Meridian in the territory of Arizona.

executed by John M. Ingalls U.S. deputy surveyor under his contract No. 130, dated May 4 1905, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank D. 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.

Supplemental
FIELD NOTES

of correction.

OF THE SURVEY OF THE

Subdivisional Lines

of

T. 22 R. 18 E.

of the Gila and Salt River Base & Meridian,

Territory of Arizona.

AS SURVEYED BY

John M. Inalls.

, United States Deputy Surveyor,

Under his Contract No. 130, dated May 4th 1905, 189

Survey commenced March 27th 1907, 189

Survey completed April 2nd 1907, 189

BOOK 2060

For NAMES AND DUTIES OF ASSISTANTS.

See book "A" 922 PR 186. corrections

2000

INDEX DIAGRAM.

Township 22 S., Range 18 E.

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Meanders Page.....

For. PRELIMINARY OATHS OF ASSISTANTS.

See book 'A' 722 p R 186 corrections

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ }
day of _____, 189



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ }
day of _____, 189



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ }
day of _____, 189



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ }
day of _____, 189



Subdivisions of T. 22. S. R. 18. E.

Survey commenced March 27, 1907 and executed with a J. C. Sala Solar compass No. 137. The horizontal limb is provided with two double verniers palced opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix Arizona, found to be in proper adjustment, and was approved by the Surveyor General for Arizona.

I examine the adjustments of the compass and find them to be satisfactory: then to test the solar apparatus by comparing its indications resulting from solar observations made during A. M. & P. M. hours, with a meridian determined by observations on Polaris, I proceed as follows:

March 27, 1907. at the 1/4 sec. cor. on the line bet. secs. 6 & 31., which is the cor. as described in my original field notes of the north bdy. of this township, in lat. $31^{\circ}33'07''N.$ longitude $110^{\circ}33'07''W.$ at 3h 30m P. M. l. m. t. by my watch which has correct l. m. t. I set off $31^{\circ}33'N.$ on the latitude arc. and $2^{\circ}27'N.$ on the declination arc. and determine a true meridian with the solar, and mark a true meridian on a stone firmly set in the ground 5 chs. N. of my station.

At 7 h 4 m P. M. l. m. t. by my watch which is correct, I observe Polaris at its **Western** elongation, in accordance with the instructions in the manual (my compass being provided with an **auxilliary** telescope) and mark a point on the line thus determined on a plug driven in the ground 5 chs. N. of the cor.

March 27, 1907.

March 28, 1907. at 7 h. A. M. l. m. t. I lay off the azimuth of Polaris $1^{\circ}27'$ to the **east** and mark the meridian thus determined by cutting a mark in the stone set yesterday, on which the meridian falls 0.15 ins. W. of the meridian established by the solar observation.

At 7 h. 30m A. M. l. m. t. I set off $31^{\circ}33'N.$ on the latitude arc and $2^{\circ}43'N.$ on the declination arc. and determine a meridian with the solar at the 1/4 sec. cor. and mark a point thereof by a groove on the stone set 5 chs. N. of my station., this mark falls on the meridian established by the Polaris observation.

I therefore conclude that the adjustments of my instrument are correct.

The magnetic declination of the true meridian at this cor. as reduced by the table on page 100 of the manual is $N. 14^{\circ} E.$

March 29, 1907 at 7h 30m. A. M. l. m. t. I set off $3^{\circ}6' N.$ on the declination arc. and $31^{\circ}29'N.$ on the latitude arc. and determine a true meridian with the solar at the 1/4 sec. cor. bet secs. 25 and 26 of this township.

From the 1/4 sec. cor. bet. secs. 25 & 26 as described in my original field notes I run N. 0° 1' W. on a true line continuing measurement from the cor. to secs. 25, 26, 35 & 36.
 Over mountainous land through timber & dense brush.
 40.56 Ascend.
 66.76 Top of ridge trending to the west.
 80.00 Set a sandstone 12x10x6 ins. 8 ins. in the ground for the cor. to secs. 23, 24, 25 & 26, marked with 2 notches on the S. & 1 notch on the E. edges, whence:
 An oak 4 ins. in diam. brs. N. 60° 45' W. 37 lks. dist. marked T. 22. S. R. 18. E. S. 23. B. T. ✓
 An oak 10 ins. in diam. brs. N. 22° 30' E. 37 lks. dist. marked T. 22. S. R. 18. E. S. 24. B. T. ✓
 An oak 10 ins. in diam. brs. S. 56° W. 92 lks. dist. marked T. 22. S. R. 18. E. S. 26. B. T. ✓
 An oak 20 ins. in diam. brs. S. 61° 30' E. 254 lks. dist. marked T. 22. S. R. 18. E. S. 25. B. T. ✓
 Land mountainous.
 Soil rocky, 3rd. & 4th. rates.
 Timber scattering oak & juniper.
 Undergrowth oak & manzanito.
 Mountainous land. 80.00 chs.

see original notes p. 3.

From the 1/4 sec. cor. bet secs. 24 & 25, which is described in my original field notes I run N. 89° 52' W. on a true line bet secs. 24 & 25, continuing the measurement from the cor. to secs. 19, 24, 25 & 30 on the E. bdy.
 Over mountainous land ascending.
 61.50 point of ridge trending to the south, descend.
 77.72 Dry wash 15 lks. wide, course S. W.
 80.12 The cor. to secs. 23, 24, 25 & 26.
 Land mountainous, gradually sloping to the N. W.
 Soil rocky 3rd. & 4th rates.
 Undergrowth oak, juniper & manzanito.
 Timber oak.
 Mountainous land 80.12 chs.

see original notes page 3

N. 0° 1' W. on a true line bet. secs. 23 & 24.
 Over mountainous land trending to the N. E.
 40.00 The 1/4 sec. cor. bet secs. 23 & 24 as described in my original notes.

see original notes page 3

From the 1/4 sec. cor. bet secs. 13 & 24 as described in my original notes. I run S. 89° 57' W. on a true line bet. secs. 13 & 24 continuing measurement from the cor. to secs. 13, 18, 19 & 24 on the E. bdy.
 Over mountainous land trending to the N. W. descend.
 52.25 Dry wash 20 lks. wide, course N. W. (at foot of bluff)
 54.25 Top of bluff brs. N. W. & S. E.
 63.00 Descend.
 64.05 Old road brs. N. W. & S. E.
 78.13 Creek 20 lks. wide, course N. & ascend steep bank.
 79.92 Set a corime stone 16x10x 6 ins. 11 ins. in the ground for the cor. to secs. 13, 14, 23, & 24 marked with 3 notches on the S. & 1 notch on the E. edges. from which.
 A juniper 20 ins. in diam brs. S. 27° 15' E. 130 lks. dist. marked T. 22. S. R. 18. E. S. 24. B. T. ✓
 An oak 14 ins. in diam brs. N. 30' W. 132 lks. dist marked T. 22. S. R. 18. E. S. 14 B. T. ✓
 No other trees within limits and raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor.
 Pits impracticable.
 Land mountainous.
 Soil rocky 3rd. & 4th. rates.
 Timber scattering oak & juniper.
 Mountainous land 79.92 chs.

see original notes page 4

see original notes page 3

From the 1/4 sec. cor. bet. secs. 23 & 24 as described in my original notes I continue N. 0° 1' W. on a true line
 Dry wash 20 lks. wide, course N. E. & ascend.
 43.10 Top of spur brs. E.
 62.00 A juniper 12 ins. in diam. on line. I cut 2 notches on the N. & S. sides.
 77.57 Dry wash 20 lks. wide, course . E.
 79.70 The cor. to secs. 13, 14, 23 & 24.
 80.00 Land mountainous.
 Soil 3rd & 4th rates.
 Timber scattering oak & juniper.
 Undergrowth oak.
 Mountainous land 80.00 chs.

see original notes page 4

N 0° 1' W. on a true line bet. secs. 13 & 14.
 Over mountainous land, descending.
 14.86 Dry creek 30 lks. wide, course S. E., water in holes. follow same.
 17.70 Leave creek & ascend. old road brs. N. W. & S. E.
 31.10 Dry wash 10 lks. wide, course N. W.
 40.00 The 1/4 sec. cor. bet. secs. 13 & 14 as described in my original notes.

see original notes page 4

From the cor. to secs. 1, 2, 35 & 36 on the N. bdy. of the township. previously described by me I run S. 0° 13' W. on a true line bet. secs. 1 & 2.
 Over mountainous land.
 01.50 Cross prominent point, trending to the N. W. & descend.
 16.74 Dry wash 20 lks. wide. course N. W. & ascend.
 25.00 Point of spur brs. N. W. & descend.
 29.95 Dry wash 15 lks. wide, course N. W.
 39.70 The 1/4 sec. cor. bet. secs. 1 & 2, as described by my original notes.

see original notes page 7

From the cor. to secs. 26, 27, 34 & 35 as described in my original notes I run.
 N. 0° 1' W. on a true line bet. secs. 26 & 27.
 Over mountainous land through scattering timber & brush.
 5.80 Dry wash 80 lks. wide, course N. W. & ascend.
 28.00 Change to the N. W. slope of mtn. & descend.
 40.00 Set a sandstone 16x10x6 ins. 11 in s. in the ground for 1/4 sec. cor. marked 1/4 on the W. face. whence:
 An oak 8 ins. in diam brs. S. 61° 15' W. 53 lks. dist. marked 1/4 S. 27 B. T.
 No other tree within limits & raised a mound of stones 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
 47.30 Dry wash 50 lks. wide, course N. W. & ascend.
 80.00 Set a sandstone 14x10x6 ins. 10 ins. in the ground for the cor. to secs. 22, 23, 26 & 27, marked with 2 notches on the S. & E. edges, whence:
 An oak 20 ins. in diam. brs. N. 54° E. 8 lks. dist. marked T. 22. S. R. 18. E. S. 23. B. T. ✓
 An oak 24 ins. in diam. brs. N. 38° 15' W. 99 lks. dist. marked T. 22. S. R. 18. E. S. 22. B. T. ✓
 An oak 8 ins. in diam brs. S. 56° W. 92 lks. dist. marked T. 22. S. R. 18. E. S. 27. B. T. ✓
 An oak 20 ins. in diam. brs. S. 69° 30' E. 73 lks. dist. marked T. 22. S. R. 18. E. S. 26 B. T. ✓
 Land mountainous.
 Soil rocky, 3rd & 4th rates.
 Timber oak & juniper.
 Undergrowth oak.
 Mountainous land 80.00 chs.

March 30. 1907., at 7 h. 30. m. A. M. 1. m. t. I. set off 30° 30' N. on the dec'l. arc. & 31° 30' N. on the lat. arc. and determine a true meridian with solar at the ear.

40.00 N. 89° 51' E. on a random line bet. secs. 23 & 26.
 Set temporary 1/4 sec. cor.
 80.40 Intersect the N. & S. line. at a point 4 lks. N. of the
 cor. to secs. 23, 24, 25 & 26. thence I run.
 S. 89° 53' W. on a true line bet. secs. 23 & 26.
 Over mountainous land through heavy timber.
 2.90 Descending over point trending to the S. W.
 10.50 Dry wash 20 lks. wide, course S. W. & ascend.
 16.50 Descend.
 29.50 Enter flat brs. N. W. & S. E.
 40.20 Set a limestone 12x10x6 ins. 8 ins. in the ground for
 1/4 sec. cor. marked 1/4 on the N. face. whence:
 An oak 6 ins. in diam. brs. N. 70° 45' W. 33 lks.
 dist. marked 1/4 S. 23. B. T. ✓
 An oak 5 ins. in diam. brs. S. 60° 45' E. 55 lks.
 dist. marked 1/4 S. 26 B. T. ✓
 40.30 Dry wash 20 lks. wide course N. E. & ascend.
 55.50 Descend.
 71.30 Dry wash 10 lks. wide, course N. E. & ascend.
 77.00 Top of ridge brs. N. & S. divide bet. Lyle & Coche canyons
 Descend.
 80.40 The cor. to secs. 22, 23, 24, & 27.
 Land mountainous.
 Soil rocky, 4th rate.
 Dense timbered land.
 Land mountainous 80.40 chs.

see original notes page 8

~~solar.~~

N. 0° 1' W. on a true line bet. secs. 22 & 23.
 Over mountainous land.
 25.50 Main divide bet. Lyle & Conche canyons brs. N. & S. &
 change to the E. slope of the same.
 40.00 The 1/4 sec. cor. bet. secs. 22 & 23 as described in my
 original notes.
 49.80 Dry wash 15 lks. wide, course E. & ascend.
 53.50 Top of spur trending to the E. & descend.
 59.50 Dry wash 10 lks. wide, course N. E. & ascend.
 80.00 Set a limestone 15x12x10 ins. 10 ins. in the ground for
 the cor. to secs. 14, 15, 22 & 23, marked with 3 notches
 on the S. & 2 notches on the E. edges. whence:
 An oak 8 ins. in diam brs. N. 46° 30' E. 26 lks. dist.
 marked T. 22. S. R. 18. E. S. 14. B. T. ✓
 An oak 14 ins. in diam. brs. N. 59° W. 100 lks.
 dist. marked T. 22. S. R. 18. E. S. 15. B. T. ✓
 An oak 12 ins. in diam. brs. S. 55° 30' E. 130 lks.
 dist. marked T. 22. S. R. 18. E. S. 23. B. T. ✓
 An oak 16 in. in diam. brs. S. 52° 15' W. 219 lks.
 dist. mrked. T. 22. S. R. 18. E. S. 22. B. T. ✓
 Land mountainous.
 Timber oak & juniper.
 Considerable undergrowth in gulches.
 Mountainous land 80.00 chs.

see original notes page 8

40.00 N. 89° 53' E. on a random line bet secs. 14 & 23.
 Set temp. 1/4 sec. cor.
 80.30 Intersect the N. & S. line at a point 3 1/2 lks. N. of the
 cor. to secs. 13, 14, 23 & 24. thence I run.
 N. 89° 51' W. on a true line bet. secs. 14 & 23.
 Ascending over mountainous land through timber.
 17.80 Summit of main divide brs. N. & S. & descend.
 40.15 Set a limestone 12x10x5 ins. 8 ins. in the ground for. 1/4
 sec. cor. marked 1/4 on the N. face. whence:
 An oak 12 ins. in diam brs. S. 20° 45' E. 332 lks.
 dist. marked 1/4 S. 23. B. T.
 No other trees within limits & raised a mound of stones
 2 ft. base, 1 1/2 ft. hgh. N. of cor.
 Pits impracticable.

see original notes page 9

46.90 Creek bottom 40 lks. wide, course N.
 50.70 Road brs. N. & S.
 53.20 Lyle canyon creek 50 lks. wide, course N. & ascend,
 water in holes.
 80.30 The cor. to secs. 22, 23, 14 & 15. as described in my
 original notes.
 Land mountainous.
 Soil rocky 4th rate.
 Timber scattering oak & walnut, & ash in creek bottoms.
 Undergrowth oak in bottoms.
 Land mountainous 80,30. chs.

N 0° 1' W. on a true line bet. secs. 14 & 15.
 Over mountainous land.
 9.15 Point trending to the E. & descend.
 18.90 Dry wash 10 lks. wide, course N. E. & ascend.
 40.00 The 1/4 sec. cor. as described in my original notes.

From the 1/4 sec. cor. bet secs. 10 & 11 as described
 in my original notes. continuing measurement from the
 cor. to secs. 10, 11, 14 & 15, I run
 N 0° 1' W. on a true line.

48.00 ~~48.00~~ An old house brs. E. about 4.50 chs.
 49.25 Point of mountain trending to the E. & descend.
 66.10 Dry wash 10 lks. wide, course S. W. Small spring
 40 lks. west in creek bottom.
 67.50 Wire fence brs. N. E. & S. W.
 80.00 Set a sandstone 15x12x8 ins. 12 ins. in the ground for
 the cor. to secs. 2, 3, 10, & 11 marked with 2 notches
 on the S. & 2 notches on the E. edges, whence:
 An oak 6 ins. in diam brs. N. 34° 15' E. 29 lks.
 dist. marked T. 22. S. R. 18. E. S. 2. B. T. ✓
 An oak 10 ins. in diam brs. N. 82° W. 120 lks.
 dist. marked T. 22. S. R. 18. E. S. 3. B. T. ✓
 An oak 10 ins. in diam. brs. S. 9° 30' E. 62 lks.
 dist. marked T. 22. S. R. 18. E. S. 11. B. T. ✓
 An oak 6 ins. in diam. brs. S. 81° W. 87 lks. dist.
 marked T. 22. S. R. 18. E. S. 10. B. T. ✓
 and raised a mound of stone 2 ft. base, 1 1/2 ft. high
 W. of cor.
 This cor. is set on the top of a low point.
 Land mountainous.
 Soil gravelly, sandy & rocky, 3rd & 4th rates.
 Timber dense oak.
 Undergrowth scattering oak.
 Mountainous & heavily timbered land 80.00 chs.

40.00 S. 89° 51' E. on a random line bet. secs. 2 & 11.
 Set temp. 1/4 sec. cor.
 80.10 Intersect the N. & S. line 17 lks. S. of the cor. to
 secs. 1, 6, 7 & 12 thence I run
 N. 89° 59' W. on a true line bet. secs. 2 & 11.
 Over mountainous land, ascending.
 38.00 Ridge brs. N. & S. & descend. into Lyle canyon.
 40.05 Set a granite stone 16x12x10 ins. 11 ins. in the ground
 for 1/4 sec. cor. marked 1/4 on the N. face, & raised
 a mound of stones 2 ft. base, 1 1/2 ft. high, N. of cor.
 An oak 24 ins. in diam. brs. S. 72° 15' W. 93 lks.
 dist. marked 1/4 S. 11 B. T. ✓
 An oak 12 ins. in diam. brs. N. 59° W. 300 lks.
 dist. marked 1/4 S. 2. B. T. ✓
 54.60 Dry wash 20 lks. wide, course N. W.
 58.25 Dry wash 15 lks. wide, course N. W.
 64.10 Road brs. N. & S.
 74.90 Lyle canyon 30 lks. wide, course N. W. (running water)
 80.10 The cor. to secs. 2, 3, 10 & 11.
 Land mountainous, soil rocky 3rd & 4th rate.

see original
 notes page 9

see original notes
 page 10

see original
 notes page 11

Timber scattering oak.
Underbrush scattering oak & manzanito,
Mountainous land 80.10 chs.

00

N 0° 1' W. on a random line bet. secs. 2 & 3.
40.00 Set temp. 1/4 sec. cor.
79.75 Intersect the north bdy. of the township at a point 21
lks. w. of the cor. to secs. 2, 3, 34 & 35. thence I run
S. 0° 8' W. on a true line bet. secs. 2 & 3.
Descending over mountainous land through scattering timber.
2.25 Dry wash 20 lks. wide, course N. E. & ascend.
15.50 Point of ridge trending to the N. E.
30.45 Washington Camp Huachuca wagon road brs. N. E. & S. W.
34.50 N. E. cor. of School house brs. W. about 5 chs. and the
old Evan's adobe brs. E. about 3 chs. dist.
39.75 Set a sandstone 16x12x12 ins. 11 ins. in the ground for
1/4 sec. cor. marked 1/4 on the W. face. whence:
An oak 8 ins. in diam brs. S. 42° 30' E. 158 lks.
dist. marked 1/4 S. 2. B. T. ✓
An oak 8 ins. in diam. brs. S. 19° W. 293 lks. dist
marked 1/4 S. 3. B. T. ✓
44.00 Old road brs. N. E. & S. W.
49.50 Top of spur brs. S. E. & descend.
55.90 Dry wash 15 lks. wide, course N. E. & ascend.
75.50 Dry wash 20 lks. wide, course N. E. & ascend.
79.75 The cor. to secs. 2, 3, 10 & 11.
Land mountainous.
Soil rocky, 3rd & 4th rates.
Timber scattering oak.
Undergrowth some oak.
Mountainous land 79.75 chs.

see original notes page 11.

At 12 h 5 m P. M. 1. m. t. I set off 3° 34' N. on the dec'l. arc. and observe the sun on the true meridian. the resulting lat. is 31° 32' N. or within 1 minute of the proper latitude.

From the 1/4 sec. cor. bet. secs. 27 & 28 as described in my original notes continuing measurement from the cor. to secs. 27, 28, 33 & 34. I run
N. 0° 2' W. on a true line bet. secs. 27 & 28.
46.40 Dry wash 10 lks. wide course. E. & ascend.
54.50 Top of spur trending to the E. & descend.
72.96 Dry wash 10 lks. wide, course E.
80.00 Set a quartz rock 20x10x6 ins. 15 ins. in the ground for the cor. to secs. 21, 22, 27 & 28, marked with 2 notches on the S. & 3 notches on the E. edges, whence:
A black oak 10 ins. in diam. brs. N. 78° W. 39 lks. dist. marked T. 22. S. R. 18. E. S. 21. B. T. ✓
A black oak 10 ins. in diam. brs. S. 45° W. 103 lks dist. marked T. 22. S. R. 18. E. S. 28. B. T. ✓
A black oak 6 ins. in diam. brs. S. 54° 30' E. 13 lks. dist. marked T. 22. S. R. 18. E. S. 27. B. T. ✓
A black oak 6 ins. in diam. brs. N. 12° E. 85 lks. dist. marked T. 22. S. R. 18. E. S. 22. B. T. ✓
Land mountainous.
Soil rocky 3rd & 4th rates.
Timber scattering oak & juniper.
Dense undergrowth of oak.
Mountainous land & land covered with dense brush 80.00 chs.

see original notes page 13.

March 31, 1907. At 7h. 30m. A. M. 1. m. t. I set off 3° 53' N on the dec'l. arc. & 31° 30' N. on the latitude arc. and determine a true meridian with the solar at the above cor.

see original notes page 13.

40.00 S. 89° 56' E. on a random line bet. secs. 22 & 27.
 79.60 Set temp. 1/4 sec. cor.
 Intersect the N & S. line 30 lks. S. of the cor. to secs 22, 23, 26 & 27. thence I run S. 89° 51' W. on a true line bet. secs. 22 & 27. Over mountainous land through heavy timber.
 38.90 Dry wash 20 lks. wide, course S. E.
 39.80 Set a quartz stone 15x9x7 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence:
 An oak 8 ins. in diam. brs. S. 57° E. 86 lks. dist. marked 1/4 S. 27. B. T. ✓
 An oak 6 ins. in diam. brs. N. 72° 30' E. 50 lks. dist. marked 1/4 S. 22. B. T. ✓
 50.50 Enter flat brs. N. & S.
 51.50 Wood road brs. N. & S.
 54.50 Wash in Cochee canyon 55 lks. wide, course N. Ascend, & leave flat.
 65.00 Change to N. W. slope.
 79.35 Descend.
 79.60 The cor. to secs. 21, 22, 26 & 27.
 Land mountainous.
 Soil rocky, 3rd & 4th rates.
 Timber juniper, pinon & oak.
 Undergrowth thick oak.
 Mountainous land or land covered with heavy timber & dense brush. 79.60 chs.

see original notes page 18.

6.25 N. 0° 2' W. on a true line bet. secs. 21 & 22.
 13.25 Over mountainous land through heavy timber descending.
 27.50 Dry gulch 25 lks. wide, course E. & ascend.
 34.25 Spur trending to the E. & descend.
 40.00 Dry wash 20 lks. wide, course. E. & ascend.
 Descend.
 Set a limestone 17x12x11 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on the W. face whence:
 An oak 10 ins. in diam. brs. N. 49° E. 64 lks. dist marked 1/4 S. 22. B. T. ✓
 An oak 8 ins. in diam brs. N. 65° 30' W. 49 lks. dist. marked 1/4 S. 21. B. T. ✓
 49.50 Dry wash 20 lks. wide, course E. & ascend.
 53.25 Spur brs. E. & descend.
 59.50 Dry wash 20 lks. wide, course S. E. & ascend.
 80.00 Set a quartz rock 24x13x9 ins. 18 ins. in the ground for the cor. to secs. 15, 16, 21 & 22 marked with 3 notches on the S. & E. edges whence:
 An oak 8 ins. in diam brs. N. 45' W. 113 lks. dist. marked T. 22. S. R. 18. E. S. 15. B. T. ✓
 An oak 14 ins. in diam. brs. N. 60° 45' W. 175 lks. dist. marked T. 22. S. R. 18. E. S. 16. B. T. ✓
 An oak 6 ins. in diam. brs. S. 85° W. 156 lks. dist marked T. 22. S. R. 18. E. S. 21. B. T. ✓
 An oak 6 ins. in diam. brs. S. 73° E. 34 lks. dist. marked T. 22. S. R. 18. E. S. 22. B. T. ✓
 Land mountainous.
 Soil rocky 3rd. & 4th rates.
 Timber oak & juniper.
 Undergrowth scattering oak.
 Mountainous land & land covered with heavy timber
 80.00 chs.

see original notes page 14.

40.00 N. 89° 51' E. on a random line bet. secs. 15 & 22.
 79.79 Set a temp. 1/4 sec. cor.
 Intersect the N. & S. line at a point 35 lks. N. of the cor. to secs. 14, 15, 22 & 23. thence I run N. 89° 54' W. on a true line bet. secs. 15 & 22. Over mountainous land through heavy timber ascending.
 12.00 Top of main divide bet. Cochee & Lyle canyons brs. N. & S. & descend.
 21.25 Dry wash 50 lks. wide, course N. W.
 39.88 Set a sandstone 18x6x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on the N. face whence:

1/4 sec. cor. marked 1/4 on the W. face, whence:
 An oak 12 ins. in diam. brs. N. 86° W. 91 lks. dist. marked 1/4 S. 25. B. T. ✓
 An oak 8 ins. in diam brs. S. 74° 15' W. 49 lks. dist. marked 1/4 S. 22. B. T. ✓
 63.90 Wire fence brs. N. & S. East side of R. A. Rodger's pasture.
 68.99 Coche canyon, dry wash 50 lks. wide, course N.
 72.17 Wood road brs. N. & S.
 76.20 Wire fence brs. N. & S. West side of Rodger's pasture.
 79.70 The cor. to secs. 15, 16, 21 & 22.
 Land mountainous.
 Soil sandy & rocky, 1st to 4th rates.
 Timber oak & pine.
 Considerable oak undergrowth.
 Mountainous land or land covered with heavy timber 79.70 chs

8.00 N. 0° 2' W. on a true line bet. secs. 15 & 16.
 Over mountainous land, through timber.
 10.00 Rodger's wire fence brs. N. W. & S. E.
 22.30 Enter valley brs. N. W. & S. E.
 Cross fence brs. E. & W. & leave mountainous land & enter cultivated field.
 40.00 Set a quartz stone 18x12x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence:
 A walnut 24 ins. in diam. brs. N, 70° 30' W. 133 lks dist. marked 1/4 S. 16 B. T.
 No other trees within limits and raised a mound of stones 2 ft. base, 1 1/2 ft. high W. of cor.
 Pits impracticable.
 From this 1/4 sec. cor. the S. E. cor. of the Canille P.O. brs. S. 87° W. about 6 chs. dist.
 A. J. Rogers house & out buildings brs. S. W. about 15 chs.
 40.06 Rodgers fence brs. E. & W. & road to P. O. brs. E. & W
 40.33 Wire fence on N. side of road.
 66.42 Wire fence brs. N. E. & S. W. West line of Bower's field, leave valley & mountains.
 Ascend.
 69.00 Point of spur trending E. to valley & descend.
 73.00 Small draw brs. E. & W.
 80.00 Set a quartz stone 12x6x6 ins. 8 ins. in the ground for cor. to secs. 9, 10, 15 & 16. marked with 4 notches on the S. & 3 notches on the E. edges whence:
 An oak 20 ins. in diam. brs. N. 61° E. 81 lks. dist. marked T. 22. S. R. 18. E. S. 10. B. T. ✓
 An oak 10 ins. in diam. brs. S. 87° E. 94 lks. dist. marked T. 22. S. R. 18. E. S. 15 B. T. ✓
 An oak 20 ins. in diam. brs. N. 28° 30' W. 44 lks. dist. marked T. 22. S. R. 18. E. S. 9. B. T. ✓
 No other trees within limits and raised a mound of stones 2 ft. base, 1 1/2 ft. high W. of cor.
 Pits impracticable.
 This cor. is set. on the N. edge of a ridge.
 Land mountainous & canyon, valley bottom.
 Timber scattering oak.
 Soil rocky & loamy, 1st & 4th rates.
 Mountainous land or land covered with heavy timber 23.47 chs.

40.00 S. 89° 54' E. on a random line bet. secs. 10 & 15.
 Set temp. 1/4 sec. cor.
 80.28 Intersect the N. & S. line at a point 14 lks. N. of the cor. to secs. 10, 11, 14 & 15. thence I run N. 89° 48' W. on a true line bet. secs. 10 & 15.
 Over mts. land bet Coche & Lyle canyons. through heavy timber.
 17.00 Point of ridges trending to the N. E. & descend.
 27.30 Dry wash 20 lks. wide, course N. E. & ascend.
 40.14 Set a sandstone 20x18x14 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on the N. dface, whence:
 An oak 12 ins. in diam. brs. N. 43° 45' E. 98 lks. dist. marked 1/4 S. 10 B. T. ✓

see original notes page 14

see original notes page 15

43.20 An oak 8 ins. in diam. brs. S. 35° 45' W. 74 lks. dist. marked 1/4 S. 15 B. T.
Main divide bet. Coche & Lyle canyons, brs. N. & S. & descend.
52.13 Dry wash 20 lks. wide, course N. W. & ascend.
58.00 Sharp point of ridge brs. N. W. & S. E. & descend.
67:00 Road up Coche valley brs. N. & S.
67:20 Fence east side of Bower's field brs. N. & S.
68:20 Enter valley brs. N. & S. leave mts. land.
78.18 Rodger's wire fence on west side of valley, N. W. & S. E. Leave valley & ascend.
80.28 The cor. of secs. 9, 10, 15 & 16. Land mountainous & valley. Soil rocky & sandy, 1st & 4th rates. Timber oak & scattering juniper. Mountainous land 69.87 chs.

14.00 N. 0° 2' W. on a true line bet. secs. 9 & 10. Over mountainous land through scattering timber. Cross wire fence brs. N. W. & S. E. West side of Bower's field.

16.50 Leave mountainous land & enter valley, brs. N. W. & S. E.
40.00 Set a sandstone 14x10x6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence.

A willow 30 ins. in diam. brs. N. 36° 30' E. 143 lks. dist. marked 1/4 S. 10 B. T. ✓

No other trees within limits and raised a mound of stones 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.

The N. W. cor. of Bower's house brs. S. 53° 15' E. about 5 chs. dist.

62.50 An old adobe house brs. E. about 2.25 chs. Leave valley & ascend over mts. land.

72.50 Wire fence on the East wside of Bower's enclosure brs. E. & W.

Road up Coche valley to post office.

79.45 Road from Washington camp to Huachuca brs. S. W. & N. E.
80.00 Set a limestone 12x8x7 ins. 8 ins. in the ground for cor. to secs. 3, 4, 9 & 10 marked with 5 notches on the S. & 3 notches on the E. edges, whence:

An oak 30 ins. in diam. brs. N. 52° 45' E. 263 lks. dist. marked T. 22. S. R. 18. E. S. 3. B. T. ✓

An oak 36 ins. in diam. brs. S. 19° 45' E. 275 lks. dist. marked T. 22. S. R. 18. E. S. 10 B. T. ✓

An oak 30 ins. in diam brs. N. 44° 30' W. 281 lks. dist. marked T. 22. S. R. 18. E. S. 4. B. T. ✓

No other trees within limits and raised a mound of stones 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.

This cor. is set on the slope of a hill, near the junction of the Huachuca & Valley roads.

Land mountainous & valley. Soil sandy & rocky, 1st & 4th rates. Timber scattering oak.

Mountainous land or land covered with heavy timber 34.00 chs.

April 1, 1907. at 7 h. 30m A. M. 1. m. t. I set off 31° 32' N. on the latitude arc. & 4° 16' N. on the decl. arc. & determine a true meridian with the solar at this cor.

40.00 S. 89° 48' E. on a random line bet. secs. 3 & 10. Set temp. 1/4 sec. cor. ✓

80.10 Intersect the N. & S. line at a point 14 lks. S. of the cor. to secs. 2, 3, 10 & 11. thence I run N. 89° 54' W. on a true line bet. secs. 3 & 10. Over mountainous land through timber.

18.00 Spur of ridge trending N. & descend.

22.10 Dry wash 15 lks. wide, course N. & ascend.

40.05 Set a granite stone 20 x8x4 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on the N. face. whence:

See original notes page 16.

See original notes page 16.

An oak 10 ins. in diam. brs. S. 59° W. 54 lks. dist. marked 1/4 S. 10 B. T. ✓
 An oak 18 ins. in diam. brs. N. 18° 30' E. 17 lks. dist. marked 1/4 S' 3. B. T. ✓
 43.42 Top of ridge brs. N. & S. & descend.
 80.10 The cor. to secs. 3, 4, 9 & 10.
 Land mountainous.
 Soil rocky 4th rate.
 Timber oak, ash & walnut.
 Undergrowth scattering oak.
 Mountainous land 80.10 chs.

N 0° 2' W. on a random line bet. secs. 3 & 4.
 40.00 Set a temp. 1/4 sec. cor.
 80.20 Intersect the E. & W. line at a point 5 lks. W. of the cor. to secs. 3, 4, 33 & 34. thence I run South on a true line bet. secs. 3 & 4.
 Over mts. land through heavy timber, descending.
 1.10 Wire fence brs. E. & W.
 19.40 Dry wash 20 lks. wide, course N. E. & ascend.
 35.10 Main divide brs. N. W. & S. E.
 40.20 Set a sandstone 12x12x8 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence:
 An oak 18 ins. in diam. brs. N. 19° 45' W. 238 lks. dist. marked 1/4 S. 4. B. T. ✓
 An oak 8 ins. in diam. brs. S. 71° 15' E. 140 lks. dist. marked 1/4 S. 3. B. T. ✓
 46.43 Dry wash 20 lks. wide, course N. W.
 56.00 Wire fence brs. E. & W.
 60.50 Spur of ridge trending west. & descend.
 80.20 The cor. to secs. 3, 4, 9 & 10.
 Land mountainous.
 Soil rocky 3rd & 4th rates.
 Timber heavy oak & some juniper.
 Undergrowth oak, scattering.
 Mountainous land or land covered with heavy timber 80.20 chs.

From the 1/4 sec. cor. bet. secs. 28 & 29 as described in my original notes, continuing measurement from the cor to secs. 28, 29, 32 & 33. I run N. 0° 2' W. on a true line bet. secs 28 & 29.
 Over mts. land. through timber.
 40.50 Dry wash 20 lks. wide, course N. (in deep gulch)
 Ascend over S. W. slope of ridge.
 80.00 Set a granite stone 16x12x9 ins. 11 ins. in the ground for the cor. to sec. 20, 21, 28 & 29, marked with 2 notches on the S. & 4 notches on the E. edges, whence:
 A pine 6 ins. in diam brs. N. 82° 15' E. 41 lks. dist. marked T. 22. S. R. 18. E. S. 21 B. T. ✓
 A pine 4 ins. in diam. brs. N 70° 30' W. 36 lks. dist. marked T. 22. S. R. 18. E. S. 20. B. T. ✓
 A pine 4 ins. in diam. brs. S. 5° 15' E. 31 lks. dist. marked T. 22. S. R. 18. E. S. 28. B. T. ✓
 A pine 3 ins. in diam. brs. S. 35° 15' W. 86 lks. dist. marked T. 22. S. R. 18. E. S. 29. B. T. ✓
 Land mountainous.
 Soil rocky 3rd & 4th rates.
 Timber pine & oak.
 Undergrowth oak & manzanito,
 Mountainous land 80.00 chs.

S. 89° 51' E. on a random line bet. secs. 21 & 28.
 40.00 Set a temp' 1/4 sec. cor.
 79.76 Intersect the N. & S. line at a point 18 lks. N. of the cor. to secs. 21, 22, 27 & 28. thence I run N. 89° 43' W. on a true line bet. secs. 21 & 28.

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see original notes page 18.

see original notes page 18.

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14.70 Descending over mts. land through timber.
 19.20 Dry wash 15 lks. wide, course N. E. & ascend.
 37.20 Main ridge of divide west of Cochele Canyon on brs. N. W. & S. E. & descend.
 39.88 Dry wash 40 lks. wide, course N. & ascend.
 Set a granite stone 16x15x6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence:
 An oak 4 ins. in diam. brs. N59° 0' E. 92 lks. dist. marked 1/4 S. 2B. B. T.
 No ~~other~~ trees within limits and raised a mound of stones 2 ft. base. 1 1/2 ft. high N. of cor. Pits impracticable.
 66.54 Dry wash 15 lks. wide, course S. E. & ascend.
 78.85 Top of ridge brs. N. & S. & descend.
 79.76 The cor. to secs 20. 21, 28 & 29.
 Land mountainous & very rocky.
 Soil 4th rate.
 Timber pine, oak & juniper.
 Undergrowth oak & manzanito.
 Mountainous land 79.76 chs.

26.53 N. 89° 45' W. on a true line bet. secs. 20 & 29.
 28.52 Over mountainous land through timber descending.
 38.35 Dry wash 40 lks. wide, course N. W.
 40.11 Dry wash 35 lks. wide, course N.
 Point of ridge trending to the S.
 The 1/4 sec. cor. bet. secs. 20 & 29 as described in my original notes.

5.00 N 0° 2' W on a true line bet. secs. 20 & 21 .
 Over mts. land through heavy timber.
 Top of ridge brs. N. W. & S. E. thence along the N. E. slope of the same, descending.
 28.11 Dry wash 10 lks. wide, course E.
 40.00 Set a quartz stone 16x14x8 ins. 11 ins. in the ground for the 1/4 sec. cor. marked 1/4 on the W. face whence:
 An oak 5 ins. in diam. brs. N. 65° 30' W 49 lks. dist. marked 1/4 S. 20 B. T. ✓
 An oak 8 ins. in diam. brs. N. 49° E. 64 lks. dist. marked 1/4 S. 21' B. T. ✓
 77.20 Dry wash 15 lks. wide, course. E.
 80.00 Set a quartz stone 18x14x6 ins. 12 ins. in the ground for the cor. to secs. 16, 17, 20 & 21, marked with 3 notches on the S. & 4 notches on the E. edges, whence, bearing trees bear as described in my original notes.

40.00 S. 89° 47' E. on a random line bet. secs. 16 & 21.
 79.70 Set temp. 1/4 sec. cor.
 Intersect the N. & S. line at a point 3 lks. S. of the cor. to secs. 15, 16, 21 & 22 thence I run N. 89° 48' W. on a true line bet. secs. 16 & 21.
 30.00 Ascending over mts. land through heavy timber.
 Summit of divide brs. N. & S. bet. Coche & Clark canyons. descend.
 39.85 Set a sandstone 14x14x8 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on the N. face whence:
 An oak 10 ins. in diam. brs. N. 23° 15' W. 56 lks. dist. marked 1/4 S. 16 B. T. ✓
 An oak 8 ins. in diam. brs. S. 70° E. 38 lks. dist. marked 1/4 S. 21 B. T. ✓
 45.10 Dry wash 10 lks. wide, course N. W.
 50.00 Top of spur brs. N. W.
 61.70 Dry wash 30 lks. wide, course N. & ascend.
 79.70 The cor. to secs. 16, 17, 20 & 21.
 Land mountainous.
 Soil rocky, 3rd & 4th rates.
 Timber heavy oak, juniper, & scattering pine.
 Mountainous land or land covered with heavy timber 79.70 chs.

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- April 2, 1907. at 7h 30. m. A. M. 1. m. t. I set off 31° $30 \frac{1}{2}'$ N. on the lat. arc. & $4^{\circ} 39'$ N. on the dec'l. arc & determine a true meridian with the solar at this cor.
- N. $0^{\circ} 2'$ W. bet. secs. 16 & 17 on a true line.
Over mts. land through timber.
Descending over N. E. slope of ridge on a point trending to the N.
- 34.10 Dry wash 20 lks, wide, course N. W.
40.00 Set a sandstone $16 \times 11 \times 9$ ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on the W. face whence:
A black oak 8 ins. in diam brs. N. $67^{\circ} 30'$ W. 35 lka. dist. marked $\frac{1}{4}$ S. 17. B. T.
No other trees within limits and raised a mound of stones 2 ft. base, $1 \frac{1}{2}$ high. W. of cor.
Pits impracticable.
- 63.10 Dry wash 20 lks. wide, course N. W.
80.00 The point for sec. cor. falls in a wash 20 lks. wide, course N. W. on insecure ground, So I establish a W. C. at a point 40 lks. S. $89^{\circ} 49'$ E. of the cor. point as follows:
Set a granite stone $20 \times 14 \times 12$ ins. 15 ins. in the ground for W. C. to the cor. to secs' 8, 9, 16 & 17. marked with 4 notches on the S. & E. edges, W. C. on the N. E. face whence:
An oak 14 ins. in diam. brs. N. $59^{\circ} 45'$ E. 43 lks. dist. marked T. 22. S. R. 18. E. S. 9. W. C. B. T.
An oak 30 lks. in diam. brs. S. $71^{\circ} 30'$ E. 56 lks. dist. marked T. 22. S. R. 18. E. S. 16. W. C. B. T.
An oak 20 ins. in diam. brs. N. $38^{\circ} 30'$ W. 3 lks. dist. marked T. 22. S. R. 18. E. S. 8. W. C. B. T.
An oak 16 ins. in diam. brs. S. $67^{\circ} 45'$ W. 4 lks. dist. marked T. 22. S. R. 18. E. S. 17. W. C. B. T.
Land mountainous.
Soil rocky, 3rd & 4th rates.
Timber oak.
Undergrowth scrub oak.
Mountainous land 80.00 chs.
-
- 40.00 S. $89^{\circ} 48'$ E. on a random line bet. secs. 9 & 16.
79.80 Set a temp. $\frac{1}{4}$ sec. cor.
Intersect the N. & S. line at a point 2 lks. S. of the cor. to secs. 9, 10, 15 & 16. thence I run N. $89^{\circ} 49'$ W. on a true line bet. secs. 9 & 16.
Ascending over mts. land, through heavy timber.
- 23.50 Point of ridge brs. S. E. & descend.
25.00 Dry wash 8 lks. wide course S. E. & ascend.
29.30 Ridge brs. N. E. & S. W. & descend.
29.35 Bower's wire fence brs. N. & S. & descend.
32.55 Dry wash 12 lks. wide, course N. E. & ascend.
33.00 Main divide brs. N. W. & S. E. & descend.
39.88 Set a limestone $12 \times 12 \times 10$ ins. 8 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on the N. face & raised a mound of stones 2 ft. base, $1 \frac{1}{2}$ ft. high N. of cor.
Pits impracticable. No trees within limits.
- 50.90 Dry wash 50 lks. wide, course N. E. & ascend.
63.50 Descend.
79.36 The W. C. to sec. cor.
79.76 The cor. point for the cor. to secs. 8, 9, 16 & 17.
Land mountainous.
Soil rocky 3rd & 4th rates.
Timber oak & juniper.
Undergrowth scrub oak & juniper.
Mountainous land or land covered with heavy timber 79.76 chs.
-
- 10.15 N. $0^{\circ} 2'$ W. on a true line bet. secs. 8 & 9.
Over rolling valley.
Dry wash 130 lks. wide, course N. E. & enter valley, brs. N. E. & S. W. enter corn field.
17.00 Clark's house brs. W. about 4.50 chs. dist. On side of hill on west side of valley.

see original notes page 20.

see original notes page 20.

32.46	Dry wash 30 lks. wide, course E.
38.80	Cross fence brs. E. & W.
40.00	Set a limestone 20x16x8 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence: A black oak 12 ins. in diam. brs. N. 43° E. 120 lks. dist. marked 1/4 S. 9. B. T. ✓ A black walnut 6 ins. in diam. brs. N. 31° 30' W. 82 lks. dist. marked 1/4 S. 8 B T. ✓
60.85	Cross fence brs. E. & W.
62.20	Bailey's house brs. W. about 9.00 chs.
80.00	Set a limestone 14x12x8 ins. 10 ins. in the ground for the cor. to secs. 4, 5, 8 & 9. marked with 5 notches on the S. & 4 notches on the E. edges, whence: A black walnut 48 ins. in diam. brs. N. 23° 15' W. 245 lks. dist. marked T. 22. S. R. 18. E. S. 5. B. T. ✓ No other trees within limits and raised a mound of stones 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land rolling valley. Soil sandy & loamy, 1st. & 2nd. rates. Timber scattering oak & walnut. Undergrowth scattering oak & manzanito. Note. The valley over which this line passes is from 5 to 12 chs. wide of good fertile & level soil. The country on each side of the valley is rough mountains, covered with oak & black walnut timber.
40.00	S. 89° 49' E. on a random line bet. secs. 4 & 9. Set a temp' 1/4 sec. cor.
79.70	Intersect the N. & S. line at a point 5 lks. S. of the cor. to secs. 3, 4, 9 & 10. thence I run N. 89° 51' W. on a true line bet. secs. 4 & 9. Descending over mts. land through heavy timber.
9.30	Camp Washington & Fairbanks road brs. N. W. & S. E.
9.70	Dry wash 60 lks. wide, course N. in Coche canyon & ascend.
16.50	Parker's house brs. N. about 4.50 chs.
25.60	Fairbanks & Camp Washington road brs. N. E. & S. W.
27.30	Fairbanks & Camp Washington road brs. N. W. & S. E.
39.85	Set a granite stone 18x14x12 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on the N. face whence: An oak 18 ins. in diam. brs. S. 71° 30' E. 55 lks. dist. marked 1/4 S. 9. B. T. ✓ An oak 8 ins. in diam brs. N. 50° 30' E. 74 lks. dist. marked 1/4 S. 4. B. T. ✓
46.00	Top of divide bet. Coche & Rice canyons. & descend.
66.60	Wire fence brs. N. & S. Foot of ridge, leave mts. land & enter valley of Rice canyon, brs. N. & S.
67.95	Dry wash 30 lks. wide, course N.
79.70	The cor. to secs. 4, 5, 8 & 9. Land mountainous & valley. Soil sandy & rocky, 1st & 4th rates. Timber oak. Mountainous land or land covered with heavy timber 66.60 chs. Vall ey land along Rice canyon 13.10 chs.
40.00	N. 0° 2' W on a random line bet. secs. 4 & 5. Set temp. 1/4 sec. cor.
80.07	Intersect the North bdy. of the township at a point 14 lks. E. of the cor. to secs. 4, 5, 32 & 33. thence I run S. 0° 8' E. on a true line bet. secs. 4 & 5. Over rolling & valley land through timber.
2.95	Carter's wire fence on the south side of road from Fair banks to Camp Washington brs. N. W. & S. E.
11.20	Fairbank & Camp Washington road brs. N. E. & S. W.
11.70	Goodwin's wire fence brs. N. E. & S. W. & enter cultivated field.
31.80	Cross wire fence brs. E. & W. Mr. Goodwin's house brs. W. about 5 chs. dist.
40.07	Set a granite stone 16x10x8 ins. 11 ins. in the ground for. 1/4 sec. cor. marked 1/4 on the W. face, whence

see original notes page 20

see original notes page 21

see original notes page 22

34.70
68.30
74.10
77.65
80.07

Dug pits 18x18x12 ins. N. & S. of cor. 3 ft. dist. and raised a mound of earth 3 ft. base. 2 ft. high W. of cor. This cor. is in an alfalfa field.
Cross wire fence brs. E. & W. & leave alfalfa field.
Wire fence brs. E. & W. & leave Goodwins field.
Cross road brs. N. E. & S. W.
Wire fence brs. E. & W. (Bailey's N. line)
The cor. to secs. 4, 5, 8 & 9.
Land rolling & valley.
Soil sandy & leamy, 1st & 2nd. rated.
Scattering oak & cottonwood & walnut in valley.
Undergrowth scattering manzanito.

5.80
10.40
11.50
33.20
39.88

At 12 h 4 m P. M. 1. m. t. I set off 4^o 42' N. on the dec'l. arc. and observe the sun on the meridian. the resulting latitude is 31^o 31' N. or within 1 minute of the proper latitude.
From the cor to secs. 8, 9, 16 & 17. I run N. 89^o 47' W on a true line line bet. secs. 8 & 17.
Over mts. land through timber.
Dry wash 70 lks. wide, course N. & ascend. leave timber.
Old road brs. N. & S.
Re-enter timber., leave park brs. N. & S.
Camp Washington & Fairbanks road brs. N. E. & S. W.
The 1/4 sec. cor. bet. secs. 8 & 17 as described in my original notes.

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40.00
79.70

From the cor. to secs. 5, 6, 7 & 8 I run S. 89^o 47' E. on a random line bet. secs. 5 & 8.
Set a temp. 1/4 sec. cor.
Intersect the N. & S. line at the cor. to secs. 4, 5, 8 & 9. thence I run N. 89^o 47' W. on a true line bet. secs. 5 & 8.
Over mts. land through timber.

22.00
4.60
5.73
35.18
39.85

Ascend.
Bailey's fence brs. N. & S.
East side of Fairbanks & Camp Washington road.
Bailey's fence on the west side of road brs. N. & S.
Bailey's fence on west side of pasture brs. N. E & S. W
Set a quartz stone 12x8x8 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence:
An oak 10 ins. in diam. brs. N. 36^o 0' W. 20 lks. dist. marked 1/4 S. 5. B. T.
An oak 10 ins. in diam. brs. S. 1^o 0' W. 192 lks. dist. mrked 1/4 S. 8. B. T.

see original notes page 28

45.00
48.55
58.00
74.50
79.70

Spur of ridge trending to the N. E. & descend.
Dry wash 15 lks. wide, course N. & ascend.
Spur of ridge brs. to the N. E. & descend.
Dry wash 30 lks. wide, course N. E.
The cor. to secs. 5, 6, 7, & 8. as described in my original notes.
Land mountainous.
Soil rocky 4th rate.
Timber oak & juniper.
Undergrowth oak.
Mountainous land 79.70 chs.

40.00
80.20
17.50
40.20

N. 0^o 3' W. on a random line bet. secs. 5 & 6.
Set a temp. 1/4 sec. cor.
Intersect the N. bdy. of the township at a point 25 lks. E. of the cor. to secs. 5, 6, 31 & 32. thence I run. S. 0^o 14' E. on a true line.
Dry wash 30 lks. wide, course S. E.
Set a limestone 14x10x6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on the W. face, whence:
An oak 18 ins. in diam. brs. N. 51^o 15' W. 108 lks. dist. marked 1/4 S. 6. B. T. ✓
An oak 6 ins. in diam. brs. N. 28^o 30' E. 120 lks. dist marked 1/4 S. 5. B. T. ✓

see original notes page 28

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BOOK 2060

Subdivisions of T. 22. S. R. 18. E.

55.00	Spur of ridge trending to the E. & descend.
67.10	Dry wash 10 lks. wide, course E. & ascend.
74.00	Spur of ridge trending to the E. & descend.
80.20I	The cor. to secs. 5, 6, 7 & 8. Land mountainous. Soil rocky, 4th rate. Timber scattering oak & juniper. Undergrowth oak. Mountainous land. 80.20 chs.

FOR GENERAL DESCRIPTION SEE MY ORIGINAL NOTES.

U. S. dep. Surv.

John W. Ingalls

For FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

see book A DISPRIFE correction

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

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

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____ of the _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

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

Subscribed and sworn to before me this _____ day of _____, 189 }



For FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

see book 'A' T22 P 18 E correction

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 189 _____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

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

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 _____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix AZ July 25 1907 189

The foregoing ^{supplemental} field notes of the survey of the correction of subdivisional lines of T 22 S R 18 E of the Gila and Salt River Base and Meridian, in the territory of Arizona.

executed by John M Ingalls, U.S. deputy surveyor under his contract No. 130, dated May 4, 1905, 189 _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank Ingalls
United States Surveyor General.

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

United States Surveyor General.