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Book B.

Accepted, Dept. letter C. Oct. 4-07.

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BOOK 2116

# FIELD NOTES

BOOK 2116

2116

OF THE SURVEY OF THE

2116

Second Standard Parallel North

through Ranges 12, - 13 - 14 - and 15 E.

2116

*Of the* Gila & Salt River Base & *Meridian,*

Arizona

AS SURVEYED BY

William L. Marcy, *United States Deputy Surveyor,*

*Under his Contract No.* 147, *dated* July 10th, 1907.

*Survey commenced* July 21st, 1907.

*Survey completed* July 27th, 1907.

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BOOK 2116

## NAMES AND DUTIES OF ASSISTANTS.

| | |
|---|---|
| James B. Boley | Chainmen |
| John Harding Gelin | |
| Fred Smith | |
| Albert H Sanford | |
| John M Frayer | Moundmen |
| Robert Holder | |
| Joe Cline | Axmen |
| George Cline | |
| Chas. Neumayer | Flagman |

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BOOK 2116

# INDEX DIAGRAM.

*Township*....., *Range*.....

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| 7 | 8 | 9 | 10 | 11 | 12 |
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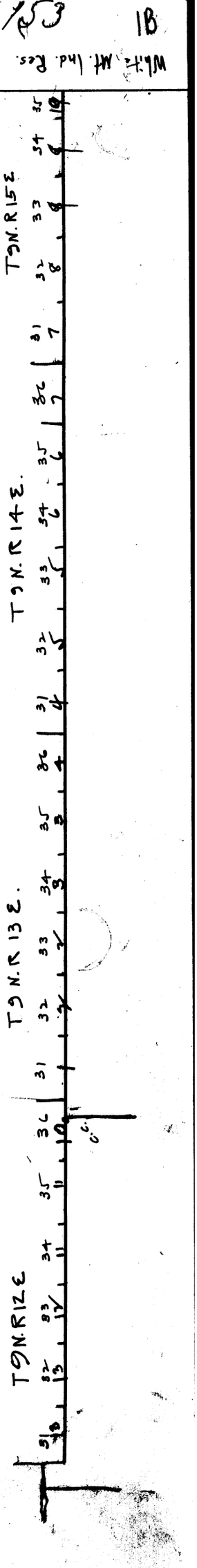

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BOOK 2116

# PRELIMINARY OATHS OF ASSISTANTS.

WE, James B. Boley - John Harding Culin - Fred Smith - & Albert Sanford and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Second Standard Parallel North through Rs. 12-13-14 & 15 E.

James B. Boley, John Harding Culin, Chainman.
Fred. Smith, Albert H Sanford, Chainman.

Subscribed and sworn to before me this 20th day of July, 1907

SEAL

William L. Marcy
U.S. Deputy Surveyor
no Notary available

WE, John M. Frayer and Robert Holder 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 Second Standard Parallel North through Rs. 12-13-14 & 15 E.

John M. Frayer, Moundman.
Robert Holder, Moundman.

Subscribed and sworn to before me this 20th day of July, 1907

SEAL

William L. Marcy
U.S. Deputy Surveyor
No Notary available

WE, Joe Cline and George Cline 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 Second Standard Parallel North through Rs. 12-13-14 & 15 E.

Joe Cline, Axman.
George Cline, Axman.

Subscribed and sworn to before me this 20th day of July, 1907

SEAL

William L. Marcy
U.S. Deputy Surveyor
No Notary available

I, Chas. Neumayer, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of 2nd Std Parallel North through Rs. 12-13-14 & 15 E.

Chas. Neumayer, Flagman.

Subscribed and sworn to before me this 20th day of July, 1907

SEAL

William L. Marcy
U.S. Deputy Surveyor
No Notary available

6—151

July 19, 1907; At 11h. 48m. p.M., l.m.t., lat. 34° 04' N. long. 111°03'23"W., I observe Polaris at Eastern elongation, at the closing corner of Tps. 8 N., Rs. 12 and 13 E., previously established by me; I mark the direction thus determined by a tack driven in a wooden peg set frimly in the ground, 4 chs. N. of my station.
July 20, 1907; At 6;30 a.m., l.m.t., I lay off the azimuth of Polaris, 1° 26' to the West and mark the meridian thus determined by a cross on a stone set in the ground West of the peg set last night.
Thence I run
East, over mountainous land, ascending.
7.00 Enter oak timber and undergrowth.
23.89 Set a quartzite stone 21 x 8 x 6 ins., set 16 ins. in the ground, for standard corner of secs. 31 and 36, Tp. 9 N., Rs. 12 and 13 E., marked SC 9 N with 6 grooves on the N. face; 12 E and 6 grooves on the W. face; 13 E with 6 grooves on the E. face, whence
A juniper 9 ins. diam. brs. N. 12° 30' W. 88 lks., dist. marked T.9 N R 12 E S 36 B T
Raise a mound of stone 2 ft. base, 1½ ft. high N. of corner. No other trees available
Difference of 23.89 chs. is amount of convergency of the meridians.
Land, mountainous.
Soil, stony and rocky; 4th rate.
Timber, oak and juniper; undergrowth, oak.
Mountainous land, 23.89 chs.

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East on a true line, S. of sec. 31.
16.00 Top of ridge, brs. E. and W.; thence along S. rim of canyon.
26.40 Begin steep descent along N. slope of ridge; leave rim of canyon.
Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point
By 1st set, 40.03 chs.
By 2nd set, 39.97 chs; the mean of which is
40.00 Set a sandstone 21 x 8 x 8 ins., 16 ins. in the ground for standard ¼ sec. cor., marked S C ¼ on N. face, from which
An oak 7 ins. diam. brs. N. 46° W. 100 lks. dist., marked S C ¼ S B T.
An oak 7 ins. diam. brs. N. 69° E. 34 lks. dist., marked S C ¼ S B T.
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
43.30 Canyon, 700 ft. below top of ridge, 200 lks. wide, course N. W.; asc. over rocks.
52.00 Top of E. rim of canyon, 400 ft. above ¼ sec. cor; asc.
61.00 Leave rocks, thence along N. slope of ridge.
Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 80.02 chs.
By 2nd set, 79.98 chs.; themean of which is
80.00 Set a sandstone 21 x 8 x 6 ins., 15 ins. in the ground, for standard corner of secs. 31 and 32, marked S C on N.; with 5 grooves on E., and 1 groove on W. face; from which
A juniper 34 ins. diam. brs. N. 42° 15' E. 152 lks. dist; marked T 9 N R 13 E S 32 B T.
A juniper 20 ins. diam. brs. N. 49° W. 146 lks. dist.; marked T 9 N R 13 E S 31 B T.
Land, mountainous.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita, tesotilla, and nopal cactus.
Mountainous land, 80.00 chs.

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East on a true line, S. of sec. 32.
Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks; position of middle point
By 1st set, 40.03 chs.
By 2nd set, 39.97 chs.; the mean of which is
40.00 Set a granite-porphyry stone 18 x 8 x 6 ins., 12 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ S on N. face, and raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
46.05 Trail, brs. N. W. and S. E.; enter level land.
72.00 Descend gradually.
Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 80.04 chs.
By 2nd set, 79.96 chs.; the mean of which is
80.00 Set a granite-porphyry stone 18 x 6 x 6 ins., 13 ins. in the ground, for standard cor. of secs. 32 and 33, marked S C on N. face; with 4 grooves on E. and 2 grooves on W. face. Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Bryant Butte brs. S. 15° 45' W. 1 mile dist.
Land, rolling and level.
Soil, gravelly and stony; 2nd, 3rd and 4th rate.
No timber.
Mountainous or land covered with heavy timber, 80.00 chs.

East on a true line, S. of sec. 33
Over gently rolling land.
4.70 Trail from Young to Spring Creek, brs. N. E.
15.75 Dry wash, 15 lks. wide, course N; asc.
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point
By 1st set, 40.02 chs.
By 2nd set, 39.98 chs; the mean of which is
40.00 Set a granite-porphyry stone 21 x 8 x 5 ins., 16 ins. in a mound of stone, for standard ¼ sec. cor., marked S C ¼ S on N, face, from which Impossible to set in ground.
An oak 12 ins. diam. brs. N. 45° 45' W. 13 lks. dist., marked S C ¼ S, B T
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. No other tree available.
62.80 Top of W. end of ridge 600 ft. above dry wash, brs. E. and S. E.; enter heavy timber and oak undergrowth.
69.00 Descend.
69.52 Oak tree, 12 ins. diam. on line.
Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 80.04 chs.
By 2nd set, 79.96 chs.; the mean of which is
80.00 Set a quartz-porphyry stone 21 x 8 x 6 ins., 16 ins. in the ground, for standard corner of secs. 33 and 34, marked S C on N. face; with 3 grooves on E. and W. faces, from which
A juniper 24 ins. diam. brs. N. 39° E. 101 lks. dist. marked T 9 N R 13 E S 34 B T
An oak 10 ins. diam. brs. N. 10° 45' W. 64 lks. dist. marked T 9 N. R 13 E S 33 B T
Land, mountainous and gently rolling
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak, juniper, pine and pinon; undergrowth, oak, manzanita, johora and mescal.
Mountainous or land covered with heavy timber, 80.00 chs.

July 20th, 1907.

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**July 21st. I set off 34°04.N. on the lat. arc and 20°38'N. on the decl. arc, and determine a meridian with the solar at the above cor. at 8h.00m. am. lmt.**

East on a true line S. of sec. 34.
7.70 Descend steeper from rim rocks.
36.00 Gulch, 40 lks. wide, course N. W.; asc. steeper.
Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lks; position of middle point
By 1st set, 40.05 chs.
By 2nd set, 39.95 chs.; the mean of which is
40.00 Cor. point falls on a sloping reef of quartz rock.
43.00 Top of rim rock.
Witness cor. point falls on a quartz rock in place, 5 x 2 ft., 2 ft. above ground; marked W C S C $\frac{1}{4}$, from which
An oak 8 ins. diam. brs. N. 31° 30' E. 49 lks. dist., marked W C S C $\frac{1}{4}$ S $\frac{27}{\wedge}$ B T.
A pine 12 ins. diam. brs. N. 44° 30' W. 30 lks. dist. marked W C S C $\frac{1}{4}$ S $\frac{27}{\wedge}$ B T.;
63.00 Top of ridge, 500 ft. above gulch, extending N. $\frac{3}{4}$ mile and bearing S. E. from line.
66.00 Descend.
Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point
By 1st set, 80.03 chs.
By 2nd set, 79.97 chs.; the mean of which is
80.00 Set a porphyry stone 18 x 8 x 6 ins., 13 ins. in the ground, for standard corner of secs. 34 and 35; marked S C on N.; with2 grooves on E. and 4 grooves on W. face; from which
An oak 7 ins. diam. brs. N. 6° E. 44 lks. dist., marked T 9 N R 13 E S 35 B T
A juniper 20 ins. diam. brs. N. 36° W. 59 lks. dist., marked T 9 N R 13 E S 34 B.T
Land, mountainous.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, oak, pine, juniper and pinyon; undergrowth, oak, manzanita and mescal.
Mountainous or land covered with heavy timber, 80.00 chs.

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East on a true line S. of sec. 35.
Mountainous land, descending along N. E. slope of ridge, through heavy timber and dense oak undergrowth.
3.00 Head of gulch, course N. E.
18.00 Leave heavy timber and undergrowth.
26.00 Leave slope of ridge, enter heavy timber and undergrowth.
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 39.98 chs.
By 2nd set, 40.02 chs; the mean of which is
40.00 Cor. point falls in dry wash, 30 lks. wide, course northerly.
39.00 Set a sandstone 21 x 10 x 5 ins., 16 ins. in the ground, for witness $\frac{1}{4}$ cor., marked W C S C $\frac{1}{4}$ on N. face, from which
An oak 6 ins. diam. brs. N. 41° 30' E. 77 lks. dist., marked W C S C $\frac{27}{\wedge}$ $\frac{1}{4}$ B T.
A juniper 34 ins. diam. brs. N. 79° W. 58 lks. dist., marked W C S C $\frac{27}{\wedge}$ $\frac{1}{4}$ B T.
44.00 Spur extending N.; descend.
47.70 Dry wash, 20 lks. wide, course N. W.; ascend.
49.00 Top of ridge, brs. N. and S.; leave heavy timber; thence over gently rolling land.
61.60 Dry wash, 20 lks. wide, course northerly.
75.10 Dry wash, 20 lks. wide, course N. E.
Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 80.04 chs.
By 2nd set, 79.96 chs; the mean of which is
80.00 Set a sandstone 24 x 6 x 6 ins., ~~17~~ 18 ins. in the ground for standard corner of secs. 35 and 36, marked S C on N. face; 1 groove on E. and 5 grooves on W. face, from which
An oak 16 ins. diam. brs. N. 7° 15' E. 147 lks. dist., marked T 9 N R 13 E S 36 B T.

An oak 12 ins. diam. brs. N. 44° W. 172 lks. dist., marked T. 9 N R 13 E S 35 B T.
Land, mountainous and gently rolling.
Soil, gravelly and stony, 3rd and 4th rate.
Timber, oak, juniper, and pine; undergrowth, oak and manzanita.
Mountainous or land covered with heavy timber 49.00 chs.

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East on a true line south of sec. 36.
Over gently rolling land.
12.60 Dry wash, 20 lks. wide, course N.
20.00 Enter heavy timber.
37.00 Dry wash, 40 lks. wide, course northerly; ascend.
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 40.02 chs.
By 2nd set, 39.98 chs; the mean of which is
40.00 Set a quartz stone 18 x 8 x 6 ins., 13 ins. in the ground for standard ¼ sec. cor., marked S C ¼ on N. face, from which
A juniper 10 ins. diam. brs. N. 32° 45' E. 33 lks. dist; marked S C ¼ 33 ∧ B T
An oak 10 ins. diam. brs. N. 44° W. 69 lks. dist; marked S C ¼ 56 ∧ B T
57.00 Dry wash, 20 lks. wide, course N. W.; ascend steeper over granite rocks.
69.00 Top of ridge, brs. E. and N. E.; leave rocks.
73.50 Trail from Young to Spring Creek, brs. N.E.
76.00 Descend steeper.
Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point
By 1st set, 79.97 chs.
By 2nd set, 80.03 chs.; the mean of which is
80.00 Set a granite stone 21 x 10 x 5 ins., 16 ins. in the ground, for standard corner of Tps. 9 N., Rs. 13 and 14 E.; marked S C 9 N with 6 grooves on N face; 14 E. with 6 grooves on E. face; 13 E with 6 grooves on W. face; from which
An oak 7 ins. diam. brs. N. ~~61° 30'~~ 64° 30' E. ~~87~~ 99 lks. dist; marked T 9 N R 14 E S 31 B T
An oak 9 ins. diam. brs. N. ~~74°~~ 71½° W. ~~91~~ 79 lks. dist.; marked T 9 N R 13 E S 36 B T
Raise a mound of stone 2 ft. base, 1½ ft. high N. of corner. Land, mountainous and rolling; soil, 3rd and 4th rate.
July 21st, 1907.
Mountainous or land covered with heavy timber 43.00 chs.

2nd. Standard Parallel North through Rg. 14 E.

July 22nd, 1907; At 7;20 a.m., l.m.t., I set off 34° 04' N. on the lat. arc; 20° 27' 36" N. on the decl. arc; and determine a true meridian with the Solar at the last corner set last night.
Thence I run East on a true line S. of sec. 31.
Over mountainous land, descending through heavy timber and dense undergrowth.
8.10 Dry wash, 30 lks. wide, course N. E.; ascend.
22.60 Wire fence, brs. N. and S.
26.00 Ridge, brs. N. E.
Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point
By 1st set, 40.04 chs.
By 2nd set, 39.96 chs.; the mean of which is
40.00 Set a sandstone 18 x 8 x 5 ins., 13 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face, from which
An oak 9 ins. diam. brs. N. 64° 15' E. 57 lks. dist; marked S C ¼ 51 ∧ B T
A juniper 10 ins. diam. brs. N. 4° 15' W. 63 lks. dist; marked S C ¼ 51 ∧ B T
45.00 Top of ridge, brs. N. E.; leave heavy timber.
58.25 Wire fence, brs. N. E.; descend steeper.
67.00 Enter dense oak undergrowth.

Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks; position of middle point
By 1st set, 79.97 chs.
By 2nd set, 80.03 chs; the mean of which is

80.00 Set a sandstone 18 x 8 x 5 ins., 13 ins. in the ground, for standard cor. of secs. 31 and 32, marked S C on N. face; 5 grooves on E. and 1 groove on W. face, from which
A walnut tree 9 ins. diam. brs. N. 83° E. 136 lks. dist. marked T 9 N R 14 E. S 32 B T
An oak 18 ins. diam. brs. N. 46° W. 55 lks. dist; marked T 9 N R 14 E S 31 B T

Land, mountainous.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak, juniper and pine; undergrowth, oak, teso-tilla, and mescal.
Mountainous or land covered with heavy timber, 80.00 chs.

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East on a true line S. of sec. 32.
Through scattering timber and dense undergrowth.

2.00 Dry wash, 30 lks. wide, course N. E.; ascend
20.00 Spur, extending N.; leave dense undergrowth; enter heavy timber; descend.
26.00 Dry wash, 15 lks. wide, course N. E.; thence N. and N. E. ascend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 40.04 chs.
By 2nd set, 39.96 chs; the mean of which is

40.00 Set a porphyry stone 18 x 8 x 5 ins. in a mound of stone, Could not set in ground for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face, from which
An oak 10 ins. diam. brs. N. 77° E. 22 lks. dist.; marked S C $\frac{1}{4}$ B T
An oak 18 ins. diam. brs. N. 62° W. 118 lks. dist; marked S C $\frac{1}{4}$ B T.

47.00 Top of ridge; descend.
64.00 Leave heavy timber and undergrowth.

Difference between measurements of 80.00 chs. by two sets of chainmen is 7 lks; position of middle point
By 1st set, 80.03 chs.
By 2nd set, 79.97 chs; the mean of which is

80.00 Set a sandstone 21 x 8 x 8 ins., 16 ins. in the ground, for standard cor. of secs. 32 and 33, marked S C on N face; 4 grooves on E. face; and 2 grooves on W. face,
Raise a mound of stone 2ft. base, 1½ ft. high N. of cor.

Land, mountainous.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, oak, juniper and pine; undergrowth, oak and manzanita.
Mountainous or land covered with heavy timber and dense undergrowth, 80.00 chs.

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East on a true line S. of sec. 33.
Through scattering timber.

19.00 Foot of descent; enter Cherry Creek bottom.
20.84 Rail and wire fence, brs. N. and S. W.
22.97 Wire fence, brs. N. and S.
24.00 Cherry Creek, 80 lks wide, course S., running water.
27.00 Begin steep ascent through heavy timber and dense under-growth.
36.00 Ridge, brs. N. and S; descend.

Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks; position of middle point
By 1st set, 39.97 chs.
By 2nd set, 40.03 chs; the mean of which is

40.00 Set a sandstone 18 x 6 x 6 ins. 13 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N, face, from which
An oak 12 ins. diam. brs. N. 44° 45' E. 105 lks. dist; marked SC ¼ B T
An oak 20 ins. diam. brs. N. 58° W. 111 lks. dist; marked S C ¼ B T.

45.00 Leave heavy timber and dense undergrowth.
72.00 Dry wash, 20 lks. wide, course S.; enter gently rolling land.
75.80 Dry wash, 20 lks. wide, course S.
76.00 Road, brs. N. W. and S. E.
Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 80.02 chs.
By 2nd set, 79.98 chs; the mean of which is
80.00 Set a sandstone 21 x 6 x 6 ins. 16 ins. in the ground, for standard cor. of secs. 33 and 34, marked S C on N. face; 3 grooves on E. and W. faces, from which
An oak 24 ins. diam. brs. N. 70° 15' E. 25 lks. dist; marked T 9 N R 14 E S 34 B T.
An oak 18 ins. diam. brs. N. 60° 30' W. 76 lks. dist; marked T 9 N R 14 E S 33 B T.
Land, mountainous. and gently rolling.
Soil, sandy loam, gravelly and stony; 2nd, 3rd and 4th rate.
Timber, oak and juniper, sycamore, ash and walnut in creek bottom; undergrowth, oak, tesotilla and manzanita.
Mountainous, or land covered with heavy timber and dense undergrowth, 45.00 chs.

July 22nd, 1907.

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July 23, 1907; At 7;35 a.m., l.m.t., I set off 34° 04' N. on the lat. arc.; 20° 16' N. on the decl. arc.; and determine a true meridian with the Solar at the cor. of secs. 33 and 34.
Thence I run
East on a true line S. of sec. 34.
Over gently rolling land, through scattering timber.
.60 Dry wash, 40 lks. wide, course S.
6.45 Trail from Pleasant Valley to Canyon Creek, brs. N. W.
10.55 Dry wash, 15 lks. wide, course S.
16.00 Dry wash, 15 lks. wide, course S; ascend through oak undergrowth.
32.70 Spur extending S.; descend.
Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 39.96 chs.
By 2nd set, 40.04 chs; the mean of which is
40;00 Set a shale stone 18 x 8 x 5 ins.. 12 ins. in the ground, for standard ¼ sec. cor; marked S C ¼ on N. face, from
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
43.00 Dry wash, 20 lks. wide, course S.; ascend.
54.80 Spur, extending S.; descend.
59.00 Dry wash, 20 lks. wide, course S ; ascend.
68.00 Spur, extending S.; descend.
76.00 Dry wash, 20 lks. wide, course S.E.; ascend.
Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks; position of middle point
By 1st set, 80.05 chs.
By 2nd set, 79.95 chs; the mean of which is
80.00 Set a sandstone 18 x 8 x 6 ins. 13 ins. in the ground, for standard cor. of secs. 34 and 35; marked S C on N. face; 2 grooves on E. and 4 grooves on W. face;
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Land, mountainous.and gently rolling.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak and juniper; undergrowth, oak and tesotilla.
Mountainous land, 64.00 chs.

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East on a true line S. of sec. 35.
Ascending through oak undergrowth.
7.50 Ridge, brs. N W and S E; descend.
30.70 Dry wash, 30 lks. wide, course S. E.
33.00 Dry Creek, 60 lks. wide, course S.; ascend.
Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks; position of middle point
By 1st set, 40.03 chs.
By 2nd set, 39.97 chs; the mean of which is

40.00 Set a sandstone 18 x 6 x 5 ins., 13 ins. in the ground, for standard ¼ sec. cor.; marked S C ¼ on N. face. Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
50.00 Enter dense oak and manzanita undergrowth.
60.40 Ridge, brs. N. and N. E; descend.
66.00 Dry wash, 15 lks. wide, course S. W.; ascend.
75.00 Top, brs. N. and S.; enter rolling land.
Difference between measurements of 80;00 chs. by two sets of chainmen is 10 lks; position of middle point
By 1st set, 79.95 chs.
By 2nd set, 80.05 chs; the mean of which is
80.00 Set a porphyry stone 18 x 14 x 14 ins. in a mound of stone, for standard cor. of secs. 35 and 36; marked S C on N. face; 1 groove on E. and 5 grooves on W. face. Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
W. Catholic Butte brs. S. 36° 45' E. 1 mile dist.

Land, mountainous.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, scattering oak and juniper; undergrowth, oak, manzanita and tesotilla.
Mountainous or land covered with dense undergrowth, 80.00 chs.

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East on a true line S. of sec. 36.
Through dense undergrowth.
4.00 Begin steep ascent.
27.00 Top of spur extending S. from mesa; descend.
38.50 Gulch, 30 lks. wide, course S. W; ascend.
Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lks; position of middle point
By 1st set, 40.05 chs.
By 2nd set, 39.95 chs; the mean of which is
40.00 Set a sandstone 24 x 8 x 8 ins. in a mound of stone, for standard ¼ sec. cor; (impossible to set in granite) marked S C ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
47.00 Top of mesa, brs. N. and S.
58.00 Descend
69.70 Gulch, 40 lks. wide, course S. and S. W.; trail brs. S. ascend.
Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 79.96 chs.
By 2nd set, 80.04 chs.; the mean of which is
80.00 Set a sandstone 21 x 8 x 8 ins., 16 ins. in the ground, for standard cor. of Tps. 9 N., Rs. 14 and 15 E.; marked S C 9 N on N face; with 6 grooves; 14 E and 6 grooves on W. face; 15 E and 6 grooves on E. face, from which
A pinyon 8 ins. diam. brs. N. 36° 30' E. 167 lks. dist; marked T 9 N R 15 E S 31 B T
A juniper 18 ins. diam. brs. N. 69° W. 200 lks. dist; marked T 9 N R 14 E S 36 B T
Land, mountainous. and gently rolling.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, scattering oak, juniper and pine; undergrowth, oak, manzanita and tesotilla.
Mountainous, or land covered with dense undergrowth, 80.00 chs.

July 23, 1907.

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2nd Standard Parallel North through Rg. 15 E.

July 24, 1907; At 7;00 a,m., l,m.t., I set off 54° 04' N. on the lat. arc; 20° 4' N. on the decl. arc. and determine a true meridian with the Solar, at the St. cor. of Tps. 9 N., Rs. 14 and 15 E.
Thence I run
East on a true line, S. of sec. 31
Over mountainous land, through scattering oak timber and dense undergrowth.

| | |
|---|---|
| 18.00 | Top of ridge, brs. N.E. and S. W.; thence over rolling land. |
| 25.55 | Dry wash, 15 lks. wide, course N. E. |
| 38.00 | Descend, N. E. and S. W. |
| | Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks; position of middle point<br>By 1st set, 39.97 chs.<br>By 2nd set, 40.03 chs; the mean of which is |
| 40.00 | Set a sandstone 18 x 8 x 6 ins., 13 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face, from which<br>A juniper 16 ins. diam. brs. N. 51° E. 66 lks. dist; marked S C ¼ B T No other tree available.<br>Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. Top of East Catholic Butte brs. S. 13° W. about 1 mile dist. |
| 56.35 | Dry wash, 15 lks. wide, course S. E; enter gently rolling land and juniper and pine timber. |
| 68.25 | Dry wash, 10 lks. wide, course S; enter nearly level land. |
| | Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks; position of middle point<br>By 1st set, 80.02 chs.<br>By 2nd set, 79.98 chs; the mean of which is |
| 80.00 | Set a granite porphyry stone 18 x 8 x 5 ins., 13 ins. in the ground, for standard cor. for secs. 31 and 32, marked S C on N.; 5 grooves on E. face, and 1 groove on W. face, from which<br>A pine 9 ins. diam. brs. N. 70° E. 97½ lks. dist; marked T 9 N R 15 E S 32 B T<br>A juniper 24 ins. diam. brs. N. 22° W. 24 lks. dist; marked T 9 N R 15 E S 31 B T<br>Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. |
| | Land, gently rolling, mountainous and nearly level.<br>Soil, gravelly and stony; 2nd, 3rd and 4th rate.<br>Timber, juniper, oak, pine and pinyon; undergrowth, oak and manzanita.<br>Mountainous or land covered with dense undergrowth, 80.00 chs. |
| | --- |
| | East on a true line S. of sec. 32. |
| 7.25 | Dry wash, 15 lks. wide, course S. E. |
| 12.45 | Trail from Young to Canyon Creek, brs. N. W. and S. E. |
| 13.90 | Dry wash, 30 lks. wide, course S. E.; leave dense undergrowth; enter gently rolling land. |
| 23.00 | Dry wash, 15 lks. wide, course S. |
| 33.00 | Re-enter dense undergrowth. |
| 39.55 | Dry wash, 10 lks. wide, course S. E. |
| | Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks; position of middle point<br>By 1st set, 40.04 chs.<br>By 2nd set, 39.96 chs; the mean of which is |
| 40.00 | Set a granite porphyry stone 18 x 8 x 8 ins., 13 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face, from which<br>A juniper 9 ins. diam. brs. N. 39° E. 61 lks. dist; marked S C ¼ B T<br>A cedar 9 ins. diam. brs. N. 10° 30' W. 99 lks. dist; marked S C ¼ B T<br>Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. |
| | Enter heavy timber. |
| 49.20 | Dry wash, 20 lks. wide, course S. E. |
| 58.95 | Dry wash, 15 lks. wide, course S. |
| 74.25 | Dry wash, 10 lks. wide, course N. E.; leave Heavy timber. |
| 74.45 | Wire fence, brs. N. 40° E. and S. 40° W. |
| | Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks; position of middle point<br>By 1st set, 80.03 chs.<br>By 2nd set, 79.97 chs; the mean of which is |
| 80.00 | Set a granite porphyry 18 x 8 x 6 ins., 14 ins. in the ground, for standard cor. of secs. 32 and 33, marked S C on N. face; 4 grooves on E. face; 2grooves on W. face, from which |

A juniper 6 ins. diam. brs. N. 33° 30' E. 78 lks. dist. marked T 9 N R 15 E S 33 B T
A juniper 20 ins. diam. brs. N, 65° 30' W. 74 lks. dist. marked T. 9 N R 15 E S 32 B T
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Land, gently rolling and nearly level.
Soil, sandy, gravelly and stony; 2nd, 3rd and 4th rate.
Timber, oak, juniper, pine and cedar; undergrowth, oak manzanita, tesotilla.
Land covered with heavy timber and dense undergrowth, 60.90 chs.

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July 24, 1907; I set off 20° 00" N. on the decl. arc, and at 12h 6m. l.m.t., observe the sun on the meridian and obtain on the lat. arc. the reading 34° 04N, which agrees with other data.
East on a true line S. of sec. 33.
Over gently rolling land, through oak and juniper timber and dense undergrowth.
10.40 Ridge, brs. N. and S.; desc.
14.45 Wash, 40 lks. wide, small running stream, course S; enter bottom, brs. N. and S.
18.65 Dry wash, 15 lks. wide, course S. W.
24.25 Leave bottom; begin steep ascent.
34.00 Top of ridge, brs. N. and S; leave dense undergrowth; descend.
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 39.98 chs.
By 2nd set, 40.02 chs; the mean of which is
40.00 Set a porphyry stone 21 x 10 x 8 ins., 16 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face, from which
A juniper 18 ins. diam. brs. N. 12° 30' E. 141 lks. dist; marked S C ¼ B T No other tree available
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
44.15 Dry wash, 15 lks. wide, course S. W.; ascend.
52.75 Ridge, brs. N. and S.
64.00 Descend.
73.00 Foot of descent; enter bottom and dense undergrowth.
76.35 Road, brs. N. and S.
Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks; position of middle point
By 1st set, 80.03 chs.
By 2nd set, 79.97 chs; the mean of which is
80.00 Point for cor. falls in dry wash, 30 lks. wide, course S.
81.00 Set a sandstone 18 x 8 x 8 ins., 13 ins. in the ground for witness standard cor. for secs. 33 and 34, marked W C S C on N. face; 3 grooves on E. and W. faces., from which
A pine 24 ins. diam. brs. N. 30° W. 182 lks. dist; marked T 9 N R 15 E S 33 B T
A juniper 40 ins. diam. brs. N. 62° W. 261 lks. dist; marked T 9 N R 15 E S 33 B T
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Land, mountainous and level.
Soil, sandy and gravelly loam, 1st, 2nd, 3rd and 4th rate.
Timber, oak, juniper and pine; undergrowth, oak, manzanita and tesotilla.
Mountainous or land covered with dense undergrowth, 80.00 chs.

July 24th, 1907.

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July 25, 1907; At 7;00 a.m., l.m.t., I set off 34° 04'N. on the lat. arc; 19° 51N. on the decl. arc. and obtain a true meridian with the Solar at the cor. point of secs. 33 and 34, in dry wash.
Thence I run
E. on a true line S. of sec. 34.
1.00 Standard W.C. of secs, 33 and 34.

23.45 Dry wash, 20 lks. wide, course S; enter dense undergrowth of scrub juniper; leave timber and oak undergrowth.

38.04 Wire fence, brs. N. 15° E.; leave bottom; ascend through scattering oak.

Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 40.02 chs;
By 2nd set, 39.98 chs; the mean of which is

40.00 Set a quartzite stone 18 x 8 x 6 ins., 13 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face, Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

43.00 Leave junipers.

55.00 Top of ridge, brs. N. and S.; descend.

62.95 Dry wash, 15 lks. wide, course S. W.; enter dense oak undergrowth, ascend.

76.40 Ridge, brs. N. and S.; descend.

Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 79.96 chs
By 2nd set, 80.04 chs; the mean of which is

80.00 Set a sandstone 18 x 8 x 5 ins., in mound of stone, for standard cor. of secs. 34 and 35, marked S C on N. face; 2 grooves on E. face; 4 grooves on W. face; from which
An oak 18 ins. diam. brs. N. 14° E. 36 lks. dist; marked T 9 N R 15 E S 35 B T
An oak 12 ins. diam. brs. N. 59° 30' W. 70 lks. dist; marked T 9 N R 15 E S 34 B T
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Land, heavy rolling and level.
Soil, sandy and gravelly loam; 2nd, 3rd and 4th rate.
Timber, juniper, pine and oak; undergrowth, oak, juniper, tesotilla and mescal.
Land, covered with dense undergrowth, 59.05 chs.

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East on a true line S. of sec. 35.
Descending over mountainous land, through oak timber and dense oak undergrowth.

3.00 Dry wash, 20 lks. wide, course Southerly; ascend.

11.10 Intersect West boundary of the White Mountain Indian Reservation, at a point from which the 16 mile corner brs. S. 24.36 chs. dist. (as described by the Surv. Gen.)
Set a granite-porphyry stone 18 x 14 x 12 ins., in mound of stone, for standard closing corner, marked S C with 6 grooves on N. face; C C on W. face; W M I R on E. face; from which
An oak brs. N. 40° W. 159 lks. dist; marked ~~C C W M I R B T~~ T 9 N R 15 E S 35 B T
An oak 12 ins. diam. brs. N. 70° W. 114 lks. dist, marked T 9 N R 15 E S 35 B T
Raise a mound of stone 2 ft. base, 1½ ft. high N. W. of cor.
Land, mountainous.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak; undergrowth, oak.
Mountainous or land covered with dense undergrowth, 11.10 chs.

July 25, 1907.

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~~2nd. Standard Parallel North through Rg. 12 E.~~

July 26, 1907; At 7;20 a.m., l.m.t., I set off 34° 04' N. on the lat. arc; 19° 38' N. on the decl. arc; and determine a true meridian with the Solar, at the cor. of Tps. 9 N., Rs. 12 and 13 E., previously set by me.
Thence I run
West on a true line S. of sec. 36.

23.89 Intersect closing corner of Tps. 8 N., Rs. 12 and 13 E.

29.90 Enter scattering oak timber and dense undergrowth.

30.35 Gulch, 60 lks. wide, course N. W.; small spring in gulch; ascend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks; position of middle point
By 1st set, 39.99 chs.
By 2nd set, 40.01 chs; the mean of which is

40.00 Set a schist stone 18 x 8 x 6 ins., 13 ins. in the ground, for standard ¼ cor., marked S C ¼ on N. face; Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
52.00 Spur, extending N. W.; descend.
55.00 Spring Creek Canyon, 80 lks. wide, course N. W; ascend.
Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 79.98 chs..
By 2nd set, 80.02 chs; the mean of which is
80.00 Set a quartz-porphyry stone 18 x 12 x 10 ins., 14 ins. in the ground, for standard cor. of secs. 35 and 36., marked S C on N. face; 1 groove on E. and 5 grooves on W. face; raise a mound of stone 2 ft. base, 1½ ft. high N, of cor.
Land, mountainous.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, scattering oak, pine and juniper; undergrowth, manzanita, tesotilla and mescal.
Mountainous or land covered with dense undergrowth, 56.11 chs.

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West on a true line S. of sec. 35.
7.00 Top of ridge, 1000 ft. above Spring Creek; enter oak timber; thence along N. slope.
8.00 Trail, brs. N. E.
12.40 From this point, Vandusen's house bears N. 37° 30' E. ¾ mile distant.
16.00 Begin descent along slope.
24.80 Deep gulch, 30 lks. wide, course N; leave oak timber.
34.00 Descend steeper over rocks.
Difference betweeen measurements of 40.00 chs. by two sets of chainmen is 6 lks; position of middle point
By 1st set, 39.97 chs.
By 2nd set, 40.03 chs; the mean of which is
40.00 Set a schist stone 18 x 8 x 5 ins., 13 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
63.70 Canyon 600 ft. below top of ridge, 60 lks. wide, course N. E.; running water in canyon; leave dense undergrowth.
79.55 Trail, brs. N. and S.
Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 79.96 chs.
By 2nd set, 80.04 chs.; the mean of which is
80.00 Set a sandstone 18 x 8 x 5 ins., 13 ins. in the ground, for standard cor. of secs. 34 and 35, marked S C on N. face; 2 grooves on E. and 4 grooves on W. face; from which
An oak 8 ins. diam. brs. N. 39° W. 82 lks. dist; marked T 9 N R 12 E S 34 B T
Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. No other tree available
Land, mountainous
Soil, gravelly and stony; 4th rate.
Timber, oak, pine and juniper; sycamore, ash and walnut in canyons; undergrowth, oak, manzanita, tesotilla, and mescal.
Mountainous, or land covered with dense undergrowth, 80. chs.

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West on a true line S. of sec. 34.
Over mountainous land, ascending through oak timber and undergrowth.
16.00 Top of rim rocks, 800 ft. above canyon; ascend.
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 40.02 chs.
By 2nd set, 39.98 chs; themean of which is
40.00 Point for cor. falls on a sandstone in place, 3 x 2 x 1 ft., 1 ft. above ground. I chisel a croos (x) for

exact cor. point, and S C $\frac{1}{4}$ on N. face, from which.
An oak 7 ins. diam. brs. N. 7° E. 17 lks. dist; marked S C $\frac{1}{4}$ B T
An oak 9 ins. diam. brs. N. 35° 30' W. 33 lks. dist; marked S C $\frac{1}{4}$ B T; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high. N. of cor.
Enter heavy timber.
55.00 Leave heavy timber and undergrowth.
66.40 Re-enter heavy timber and dense undergrowth.
74.00 Top of long ridge, 2000 ft. above Spring Creek; brs. N. and S.
Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks; position of middle point
By 1st set, 80.03 chs.
By 2nd set, 79.97 chs; the mean of which is
80.00 Set a sandstone 21 x 8 x 8 ins. in a mound of stone, for standard cor. of secs. 33 and 34, marked S C on N. face; 3 grooves on E. and W. faces; from which
An oak 6 ins. brs. N. 85° 30' E. 120 lks. dist; marked T 9 N R 12 E S 34 B T
A juniper 20 ins. diam. brs. N. 36° W. 51 lks. dist; marked T 9 N R 12 E S 33 B T
Land, mountainous.
Soil, gravelly and stony; 4th rate.
Timber, oak and juniper; undergrowth, oak, mescal and nopal, cactus. Good grass.
Mountainous or land covered with heavy timber, 80.00 chs.
July 26, 1907.

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July 27, 1907; At 8;00 a.m., l.m.t., I set off 34° 04' N. on the lat. arc; 19° 24' N on the decl. arc; and determine a true meridian with the Solar, at the cor. of secs. 33 and 34, set last night.
Thence I run
West on a true line S. of sec. 33.
Along top of ridge, through heavy timber and dense undergrowth.
16.70 Leave heavy timber; descend through pine timber.
32.40 Mouth of gulch from S; enter gulch 350 lks. below ridge.
38.00 Leave gulch and pine timber; ascend.
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 40.02 chs.
By 2nd set, 39.98 chs; the mean of which is
40.00 Set a sandstone 21 x 12 x 5 ins. 16 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face, from which
An oak 7 ins. diam. brs. N. 63° 45' W. 88 lks. dist; marked S C $\frac{1}{4}$ B T
A juniper 40 ins. diam. brs. N. 39° E. 103 lks. dist; marked S C $\frac{1}{4}$ B T
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
45.90 Trail, brs. N.E. and S. W.
49.00 Ascend over sandstone rocks.
53.00 Top of rocks; reenter heavy oak timber; ascend.
68.00 Top of ridge, 500 ft. above gulch.
75.00 Leave heavy timber; descend
Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks; position of middle point
By 1st set, 80.03 chs.
By 2nd set, 79.97 chs.; the mean of which is
80.00 Set a sandstone 18 x 6 x 6 ins., 13 ins. in the ground, for standard cor. of secs. 32 and 33, marked S C on N. face; 4 grooves on E. and 2 grooves on W. face, from which
A pine 14 ins. diam. brs. N. 52° E. 100 lks. dist; marked T 9 N. R 12 E S 33 B T.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N of cor. No other tree available
Land, mountainous

Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak, juniper, pine and pinyon; undergrowth, oak, manzanita, and mescal. Good grass.
Mountainous or land covered with heavy timber, 80.00 chs.

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West on a true line S. of sec. 32.
Over mountainous land, descending through oak timber and undergrowth.

6.00 Gulch, 300 ft. below ridge, 45 lks. wide, course N. E. Ascend.

13.00 Enter heavy timber.

37.50 Top of ridge, 500 ft. above gulch; brs. N. E. and S. W.

39.40 Begin steep descent of N. W. slope.

Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks; position of middle point
By 1st set, 40.02 chs.
By 2nd set, 39.98 chs; the mean of which is

40.00 Set a sandstone 18 x 8 x 8 ins., 12 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face, from which
A pine 9 ins. diam. brs. N. 42° 30' E. 40 lks. dist; marked S C $\frac{13}{14}$ B T
A oak 10 ins. diam. brs. N. 53° W. 60 lks. dist; marked S C $\frac{13}{14}$ B T

72.00 Trail, brs. N. W. and. S. E.; leave timber and enter dense oak undergrowth.

Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks; position of middle point
By 1st set, 80.04 chs;
By 2nd set, 79.96 chs; the mean of which is

80.00 Set a quartzite stone 18 x 10 x 10 ins., 13 ins. in the ground, for standard cor. of secs. 31 and 32, marked S C on N. face; 5 grooves on E. and 1 groove on W. face. Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

Land, mountainous.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, oak, juniper, pine and walnut; undergrowth, oak, manzanita, pine, tesotilla and mescal.
Mountainous or land covered with heavy timber and dense undergrowth, 80.00 chs.

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West on a true line S. of sec. 31.
Over mountainous land, descending through dense oak undergrowth.

31.10 Gulch, 1200 ft. below ridge, 30 lks. wide, course northwesterly; spring in gulch, 3 chs. down stream; ascend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lks; position of middle point
By 1st set, 40.05 chs.
By 2nd set, 39.95 chs; the mean of which is

40.00 Set a quartz-porphyry stone 18 x 10 x 8 ins., 12 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

42.00 Ridge, 200 ft. above gulch, brs. N. W. and S. E.; begin steep descent.

62.00 Tunnel on Red Bird mining claim, 3 chs. S.

66.00 Along N. side of gulch, southwesterly.

70.00 Leave side of gulch.

73.00 Open cut on hill, 7 chs. S.

79.60 Gulch, 800 ft. below ridge, 20 lks. wide, course S. Ascend.

84.00 Intersect ~~East boundary~~ S. W. Corner of Tp. 9 N., R. ~~11~~ 12 E. at standard township ~~closing~~ corner set by Deputy Surveyor Fisher, as described by the U. S. Surveyor General for Ariz.

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

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BOOK

Mountainous or land covered with dense undergrowth,
84.00 chs.

July 27th, 1907.

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NOTE.

In running the Second Standard Parrallel North, solar observations were taken, by means of the solar attachment, at intervals of 10 and 20 chs.

William L. Marcy
U. S. Deputy Surveyor.

GENERAL DESCRIPTION.

The Second Standard Parallel North through Ranges 12, 13, 14 and 15 East traverses a most mountainous and precipitous country, very difficult to survey. Land is heavily timbered and well watered. Timber is generally oak, pine and juniper on the slopes and mesas, with sycamore, ash and walnut in the canyons. The undergrowth is characteristic of the country and is scrub oak, mescal tesotilla and cactus. Good grass pasturage exists at various places along the line.

William L. Marcy
U. S. Deputy Surveyor.

For authority for red ink corrections see Deputy's letters 11/18/08 and 1/14/09.

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# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

BOOK 2116

## LIST OF NAMES.

A list of the names of the individuals employed by Wm. L. Marcy, 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 2nd Std Parrallel north through Rs. 12-13-14+15 E.

showing the respective capacities in which they acted:

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

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted William L. Marcy, United States Deputy Surveyor, in surveying all those parts or portions of the Second Standard Parallel North through Ranges 12-13-14+15 E.

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

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

Subscribed and sworn to before me this 26th day of July, 1907

SEAL

William L. Marcy
U.S. Deputy Surveyor
No Notary available

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BOOK 2116

# FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, William L. Marcy, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 10th day of July, 1907, 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 Second Standard Parallel North through Ranges 12-13-14 & 15 E.

of the Gila & Salt River Base & meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

William L. Marcy
*United States Deputy Surveyor.*

Subscribed by said William L. Marcy, and sworn to before me this 18th day of December, 1907

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

SEAL

## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Aug. 15, 1908

The foregoing field notes of the survey of the Second Standard Parallel North through Ranges 12, 13, 14, and 15 East of the Gila and Salt River Base and Meridian Arizona.

executed by William L. Marcy, U.S. Deputy Surveyor, under his contract No. 147, dated July 10, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
*United States Surveyor General.*

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

_____
*United States Surveyor General.*

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