

FIELD NOTES

AUG 16 1912

OF THE SURVEY OF THE

West and North Boundaries and retracement

of part of the South and East Boundaries

of Township Five North, Range Fourteen

West.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Fred W. Redolf

In the capacity of U. S. Surveyor, under instructions dated July 8th, 1911, issued by the United States Surveyor General to govern surveys included in Group No. 12, which were approved by the Commissioner of the General Land Office, July 18, 1911, pursuant to authority contained in the Act of Congress dated March 4, 1911.

Survey commenced 24th day of August, 1911

Survey completed 2nd day of September, 1911

1A 39

BOOK 2344

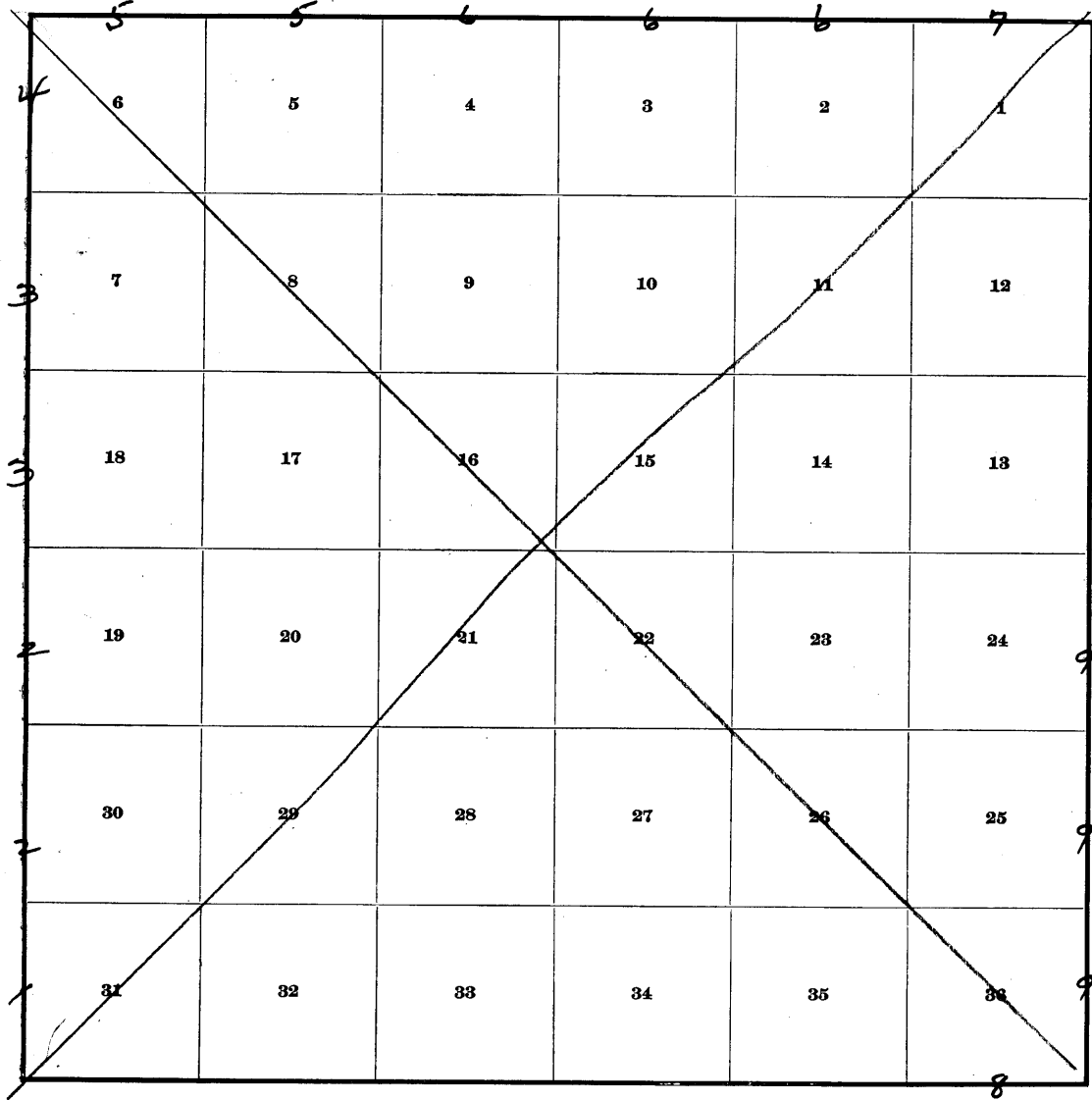
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INDEX DIAGRAM.

Township Five No. rth, Range Fourteen West



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, H.N. Bradstreet, Paul Dial and J.G. Lindley and L.E. Flanagan
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 N. & W. bdy. and retracement of part of S & E bdys. of T. 5 N., R. 14 W.

H.N. Bradstreet ^{Paul Dial} Chainman.
L.E. Flanagan Chainman.
J.G. Lindley
Bred W. Rodolf
U.S. Surveyor

Subscribed and sworn to before me this 24th
day of August, 1911



✓ WE, Oliver Nofzinger 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 W & N bdys. & retracement of part of S & E bdys. of T. 5 N., R. 14 W.

O. Nofzinger Moundman.
Moundman.

Subscribed and sworn to before me this 24th
day of August, 1911



Bred W. Rodolf
U. S. Surveyor

✓ WE, J. Gary Lindley 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 W & N bdys. & retracement of part of S & E bdys. of T. 5 N., R. 14 W.

J. Gary Lindley Axman.
Axman.

Subscribed and sworn to before me this 24th
day of August, 1911



Bred W. Rodolf
U. S. Surveyor

I, Harry B. Marshall, 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 W & N Bdys. & retracement of S & E bdys. of T. 5 N., R. 14 W.

H.B. Marshall Flagman.

Subscribed and sworn to before me this 24th
day of August, 1911



Bred W. Rodolf
U. S. Surveyor

West Boundary of T. 5 N., R. 14 W.

1. C

Chains

Survey commenced on the 24th day of August and executed with a Young and Sons-light mountain transit No. 8480, with solar attachment. The horizontal limb is provided with two double verniers placed 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, found correct, and approved by the Surveyor General for Arizona.

I examine the adjustments of the transit and find them correct, then to test the solar apparatus, by comparing its indications, resulting from observations made during a. m. and p. m. hours with a meridian established by polaris observations, I proceed as follows:

At 4 p. m., l. m. t., I set off $11^{\circ} 16'$ N., on the decl. arc; $33^{\circ} 43\frac{1}{2}'$ N., on the lat. arc and, at the cor. of T. 5 N., Rs. 14 and 15 W., determine a meridian and mark a point thereof by a cross on a stone firmly set 5 chs. N. of my station.

At 9 h. 24 m. p. m., l. m. t., I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark the line thus determined on a peg driven firmly in the ground, 5 chs. N. of my station.

August 24, 1911.

August 25: At 7 a. m., l. m. t., I lay off the azimuth of polaris, $1^{\circ} 24'$ to the west, and mark the meridian thus determined by a notch on the stone set Aug. 24; this meridian coincides with the meridian determined by the solar apparatus.

At 8 a. m., l. m. t., I set off $33^{\circ} 43\frac{1}{2}'$ N., on the lat. arc; $11^{\circ} 02'$ N., on the decl. arc; and mark a point in the line thus determined by a groove in the stone set N. of my station; this line coincides with the meridian established by observations on polaris.

The solar apparatus by a. m., and p. m., observations defines positions for a meridian which coincide with the meridian established by polaris observations, therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 h. 30 m., A. m., l. m. t., is N. $13^{\circ} 34'$ W.; this gives the magnetic declination as $13^{\circ} 34'$ E.

From the standard cor. of Ts. 5 N., Rs. 14 and 15 W., which is a stone, marked and witnessed as described by the Surveyor-General,

I run,
North bet. secs. 31 and 36.
Over level land, thru dense underbrush.

- 3. 31 Drain, course SW.
- 26. 00 Drain, course SW.
- 26. 62 Drain, course SW.
- 40. 00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins., in the ground for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 36 in West, and
S 31 in East halves, dig pits, 18 X 18 X 12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 40. 65 Wash, 25 lks. wide, course W.
- 45. 57 Road, brs. NE. and SW.
- 46. 61 Wash, 20 lks. wide, course SW.
- 53. 21 Phone line, brs. NE. and SW.
- 75. 16 Wash, 25 lks. wide, course SW.
- 80. 00 Set a post, 3 ft. long, 3 ins. in dia., 24 ins. in the

Chains ground, for cor. of secs. 25, 30, 31 and 36, marked
 T 5 N in North,
 R 14 W in East, and
 R 15 W in West halves,
 S 30 in NE,
 S 31 in SE,
 S 36 in SW, and
 S 25 in NW quadrants; dig pits 18 X 18
 X 12 ins., in each sec. 5½ ft. dist., and raise a mound
 of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Timber, iron wood and palo verde.
 Underbrush, sagebrush, mesquite and palo verde.
 Land, rocky, 3rd rate.

 Thence, I run
 North bet. secs. 25 and 30.
 Slowly ascending over loose rocks, thru dense under-
 brush, and scattering timber.

- 1.62 Drain, course SW.
- 8.88 Drain, course SW.
- 12.40 Drain, course SW.
- 14.31 Drain, course SW.
- 17.90 Wash, 20 lks. wide, course SW.
- 19.95 Wash, 60 lks. wide, course SW.
- 25.30 Drain, course SW.
- 30.87 Wash, 60 lks. wide, course SW
- 36.37 Wash, 15 lks. wide, course SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins., in
 the ground for ¼ sec. cor., marked

¼ S 25 in West and
 ¼ S 30 in East halves, from which
 A palo verde, 5 ins. in dia., brs. N. 77° 25' E., 250
 lks. dist., marked ¼ S 30 BT.

An iron wood, 8 ins. in dia., brs. N. 85° 30' W., 110
 lks. dist., marked ¼ S 25 BT.

At this cor. I set off 10° 58' N., on the decl. arc
 and observe the sun on the meridian at noon; the result-
 ing lat. is 33° 45' N.

- 43.95 Wash, 50 lks. wide, course SW.
- 46.65 Drain, course SW.
- 47.95 Road, brs. NE. and SW.
- 48.47 Road, brs. NE. and SW
- 49.91 Wash, 50 lks. wide, course SW.
- 54.00 Wash, 50 lks. wide, course SW.
- 55.75 Telephone line, brs. NW. and SE.
- 56.57 Arizona and California Ry. track, brs. NW. and SE.
- 65.08 Placer ditch, 35 lks. wide, course NW.
- 68.47 Road, brs. NW. and SE.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins., in
 the ground for cor. of secs. 19, 24, 25 and 30, marked

T 5 N in North,
 R 14 W in East, and
 R 15 W in West halves,
 S 19 in NE,
 S 30 in SE,
 S 25 in SW, and
 S 24 in NW quadrants, from which

An iron wood, 5 ins. in dia., brs. S. 89° 15' E., 115
 lks. dist., marked T 5 N R 14 W S 30 BT.

and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.

Land, rolling.
 Timber, scattering mesquite, palo verde and iron wood
 Underbrush, mesquite and sage brush.
 Soil, rocky, 3rd rate.

Chains

Thence, I run
North, bet. secs. 19 and 24.
Slowly, ascending rocky S. slope, thru scattering
timber and dense underbrush.

4.51 Drain, course SW.
10.52 Drain, course SW.
17.56 Wash, 30 lks. wide, course SW.
30.95 Drain, course SW.
38.48 Drain, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins.
in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 24 in West, and
 $\frac{1}{4}$ S 19 in East halves, from which
An ironwood, 6 ins. in dia., brs. N. 82° 20' E., 188 lks.
dist., marked $\frac{1}{4}$ S 19 BT.
A palo verde, 6 ins. in dia., brs. S. 53° W., 111 lks.
dist., marked $\frac{1}{4}$ S 24 BT.

40.92 Wash, 60 lks. wide, course SW
45.89 Drain, course SW.
68.50 Drain, course SW.
76.00 Top of ridge, brs. E. and W. Descend.
80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24. ins.
in the ground, for cor. of secs. 13, 18, 19 and 24,
marked

T 5 N in North,
R 14 W in East, and
R 15 W in West halves,
S 18 in NE,
S 19 in SE,
S 24 in SW, and
S 13 in NW quadrants; and raise a mound
of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land, rolling.
Timber, scattering palo verde and iron wood.
Underbrush, mesquite and sage brush.
Soil, rocky 3rd rate.

August 25, 1911.

August 27:

At 7 a.m., l.m.t., I set off 33° 46' N., on the lat.
arc; 10° 22' N., on the decl. arc and determine a meri-
dian with the solar at the cor. of secs. 13, 18, 19 and
24.

Thence, I run
North, bet. secs. 13 and 18.
Over mountainous land, covered with red rocks,
thru dense underbrush.

1.25 Drain, course W. ascend steeply.
5.90 Top of ridge, brs. E. and W. Descend steep rocky slope.
11.67 Drain, course SW. Ascend steep rocky slope.
15.00 Top of ridge, brs. NE. and SW. Descend steep rocky slope.
18.60 Drain, course NW.
19.72 Drain, course SW. Ascend steep rocky slope.
27.00 Top of ridge, brs. NE. and SW. Descend steep rocky slope.
33.35 Wash, 15 lks. wide, course W. Along W. slope.
34.84 Old road, brs. NE. and SW.
38.65 Wash, 15 lks. wide, course W.
40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 13 in West, and
 $\frac{1}{4}$ S 18 in East halves, and raise a mound
of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

40.10 Drain, course W. Along steep E. slope.
56.08 Drain, course NNW.
58.30 Wash, 60 lks. wide, course W.
60.00 Wash, 20 lks. wide, course W.
64.00 Top of ridge, brs. NE and SW. Descend steep rocky slope.
68.00 Drain, course N.

Survey of the West Boundary of T. 5 North, Range 14 West. A

Chains

68.77 Wash, 100 lks. wide, course SW. Ascend.
 74.00 Top of ridge, brs. NE. and SW. Descend.
 80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins., in
 the ground, for cor. of secs. 7, 12, 13 and 18, marked
 T 5 N in North,
 R 14 W in East, and
 R 15 W. in West halves,
 S 7 in NE,
 S 18 in SE,
 S 13 in SW, and
 S 12 in NW quadrants, from which
 A palo verde 5 ins. in dia., brs. S. 59° 10' E., 200
 lks. dist., marked T 5 N., R 14 W S 18 BT.
 An ironwood 7 ins. in dia., brs. S. 68° 45' W., 62 lks.
 dist., marked T 5 N R 15 W S 13 BT.
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 Land, mountainous.
 Timber, palo verde and iron wood.
 Underbrush, mesquite and sage brush, and cacti.
 Soil, medium loam, covered with red iron oxide
 rocks, 3rd rate.

 Thence, I run
 North, bet. secs. 7 and 12.
 Over broken land, covered with loose rocks, thru
 scattering underbrush.

2.20 Wash, 80 lks. wide, course SW.
 4.12 Drain, course SE.
 5.01 Wash, 20 lks. wide, course SE.
 10.15 Drain, course SE.
 16.25 Drain, course SE.
 20.55 Top of ridge, brs. NE. and SW. Road, brs. NE. and SW.
 24.40 Drain, course W.
 27.14 Drain, course W.
 34.14 Road, brs. NE. and SW.
 34.54 Road, brs. E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins., in the
 ground for ¼ sec. cor., marked
 ¼ S 12 in West, and
 S 7 in East halves, and raise a mound
 of stone, 2 ft. base, 1½ ft. high, W. of cor.
 42.78 Drain, course SW.
 50.00 Drain, course SW.
 50.61 Road, brs. NE. and SW.
 65.60 Wash, 15 lks. wide, course SW.
 74.30 Wash, 20 lks. wide, course SW.
 76.75 Wash, 25 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in
 the ground for the cor. of secs. 1, 6, 7, and 12, marked
 T 5 N in North,
 R 14 W in East, and
 R 15 W. in West halves,
 S 6 in NE,
 S 7 in SE,
 S 12 in SW, and
 S 1 in NW quadrants, and raise a mound
 of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Timber, scattering palo verde and mesquite
 Underbrush, scattering sage brush and mesquite.
 Soil, rocky and worthless.
 At this cor. I set off 10° 16½' N. on the decl.
 arc, and observe the sun on the meridian at noon; the
 resulting latitude is 33° 48' N.

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Chains

Thence, I run
 North bet. secs. 1 and 6.
 Over mountainous land, covered with loose rocks,
 thru scattering timber and underbrush.

6.00 Wash, 10 lks. wide, course SW.
 17.49 Wash, 15 lks. wide, course NW.
 20.30 Wash, 170 lks. wide, course NW.
 22.06 Wash, 25 lks. wide, course NW.
 28.63 Wash, 30 lks. wide, course W.
 38.20 Wash, 25 lks. wide, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 1 in West, and
 $\frac{1}{4}$ S 6 in East halves, and raise a mound
 of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

56.94 Top of ridge, brs. E. and W. Descend steep rocky slope.
 62.97 Drain, course SW. Ascend steep rocky slope.
 65.59 Top of ridge, brs. E. and W. Descend steep rocky slope.
 75.78 Drain, course W.
 80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in
 the ground, for cor. of Ts. 5 and 6 N., Rs. 14 and 15
 W., marked

T 6 N in North,
 T 5 N in South,
 R 14 W in East, and
 R 15 W in West halves,
 S 31 in NE,
 S 6 in SE,
 S 1 in SW, and
 S 36 in NW quadrants, and raise a
 mound of stone, 3 ft. base, 2 ft. high, S. of cor.
 Land, mountainous.
 Timber, mesquite and palo verde.
 Underbrush, mesquite and cacti.
 Soil, rocky and worthless.

August 27, 1911.

GENERAL DESCRIPTION.

T. 5 N., R. 14 W., is mostly rocky and mineral
 with some land in the southern part that might be culti-
 vated. The town of Vicksbrug lies in the SW. part.
 T. 5 N., R. 15 W., is mostly level, and of 1st class
 soil, could be cultivated profitably if furnished with
 water.
 There is no water along this line.
 There are no settlers along this line.

Chains	<p>From the cor. of Ts. 5 and 6 N., Rs. 13 and 14 W., which is a stone, marked and witnessed as described by the Surveyor General, I run west on random line, bet. Ts. 5 and 6 N., setting temporary $\frac{1}{4}$ sec. and sec. cors. at every 40.00 chs., At 478.20 chs. the cor. of Ts. 5 and 6 N., Rs. 14 and 15 W. brs. S. 208 lks. dist.</p> <p>Thence, I run N. 89° 45' E., on a true line bet. secs. 6 and 31. Ascend steep rocky slope, thru dense underbrush.</p>
17.25	Top of ridge, brs. NW. and SE. Descend steep rocky slope.
22.00	Drain, course SE. Ascend steep rocky slope.
29.07	Top of ridge, brs. N. and S. Descend steep rocky slope.
32.00	Drain, course SE.
38.20	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 31 in North, and $\frac{1}{4}$ S 6 in South half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
43.00	Drain, course SE. Ascend steep rocky slope.
45.00	Top of ridge, brs. N. and S. Descend steep rocky slope.
50.00	Wash, 60 lks. wide, course SW.
54.00	Top of ridge, brs. N. and S.
70.00	Top of ridge, brs. NW. and SE. Descend steep rocky slope.
74.00	Drain, course SE.
78.00	Top of ridge, brs. N. and S. Descend steep rocky slope.
78.20	Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for cor. of secs. 5, 6, 31 and 32, marked T 6 N R 14 W in North, and T 5 N in South halves, S 32 in NE, S 5 in SE, S 6 in SW, and S 31 in NW quadrants, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous. Timber, mesquite and palo verde. Underbrush, mesquite, palo verde and cacti. Soil, rocky and worthless.

	Thence, I run N. 89° 45' E., bet. secs. 5 and 32. Descend, steep rocky slope, thru dense underbrush.
10.00	Wash, 60 lks. wide, course S.
14.00	Same wash, course NW. Ascend steep rocky slope.
25.00	Top of ridge, brs. N. and S. Descend.
30.30	Enter wash, 25 lks. wide, course SW.
33.79	Leave wash.
38.00	Wash, 25 lks. wide, course SW.
39.80	Same wash, course NW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 32 in North, and $\frac{1}{4}$ S 5 in South halves, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Ascend along rough broken N. slope.
45.30	Drain, course NW.
59.00	Drain, course NW.
60.00	Drain, course NW.
62.15	Top of ridge, brs. NE. and SW. Descend along steep rocky south slope.
73.00	Drain, course S.
75.00	Drain, course S.
80.00	Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked T 6 N R 14 W in North, and T 5 N in South halves, S 33 in NE, S 4 in SE, S 5 in SW, and

Chains S 32 in NW quadrants; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, mountainous.
Timber, mesquite and palo verde.
Underbrush, mesquite, palo verde and cacti.
Soil, rocky and worthless.

August 28, 1911.

August 29:

At 7 a.m., 1.m.t., I set off 33° 48½' N., on the lat. arc; 9° 40' N., on the decl. arc and determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33.

Thence, I run

N. 89° 45' E. on a true line, bet. secs. 4 and 33.

Along steep rocky S. slope, thru dense underbrush.

- 13.00 Wash, 20 lks. wide, course SW.
- 18.00 Glory Hole shaft and tunnel brs. S. 3 chs.
- 27.85 Top of ridge, brs. N. and S. Descend steep rocky slope.
- 33.85 Wash, 20 lks. wide, course S. Ascend steep rocky slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., marked
¼ S 33 in North, and
S 4 in South halves, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
- 64.00 Top of high ridge, 800 ft. above wash, course N. and S. Descend, along steep rocky precipitous slope.
- 72.00 Ridge, brs. SE. and NW. Descend steep rocky N. slope.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked
T 6 N R 14 W in North half, and
T 5 N in South half,
S 34 in NE,
S 3 in SE,
S 4 in SW, and
S 33 in NW quadrants; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, mountainous.
Timber, a few mesquite.
Underbrush, mesquite and cacti.
Soil, rocky and worthless.
At this cor. I set off 9° 34½' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 48½' N.

Thence, I run

N. 89° 45' E., on a true line bet. secs. 3 and 34.

Descend along steep rocky NE. slope thru dense underbrush.

- 2.00 Wash, 30 lks. wide, course SE. Ascend steep rocky slope.
- 8.75 Top of ridge, brs. NW. and SE. Descend steep rocky slope.
- 10.50 Wash, 20 lks. wide, course S. Ascend steep rocky slope.
- 14.60 Top of ridge, brs. N. and S. Descend steep rocky slope.
- 27.00 Along N. slope of low ridge.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., marked
¼ S 34 in North, and
S 3 in in South halves, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
- 41.00 Wash, 20 lks. wide, course SE. Ascend along rocky S. slope.
- 54.00 Canyon, 200 lks. wide, course S. Over rough broken land.
- 55.00 Wash, 15 lks. wide, course S.
- 70.00 Top of ridge, brs. N. and S. Descend along rocky slope.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked
T 6 N R 14 W in North, and
T 5 N in South halves,

Chains S 35 in NE,
S 2 in SE,
S 3 in SW, and
S 34 in NW quadrants, and raise a mound
of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, mountainous.
No timber. Underbrush, mesquite and cacti.
Soil, rocky and worthless.

August 29, 1911.

August 30:

At 7 a.m., l.m.t., I set off 33° 48½' N., on the
lat. arc; 9° 18½' N., on the decl. arc and determine a
meridian with the solar at the cor. of secs. 2, 3, 34
and 35.

Thence, I run
N. 89° 45' E., on a true line, bet. secs. 2 and 35.
Over broken, rough, rocky, S. slope of high ridge,
thru dense timber and underbrush.

- 4.00 Drain, course S.
- 7.24 Drain, course S.
- 16.75 Saddle, in ridge, brs. N. and S. Along steep rocky N.
slope.
- 28.85 Drain, course S. Ascend steep rocky slope.
- 38.00 Top of ridge, brs. N. and S. Descend steep rocky slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
the ground, for ¼ sec. cor., marked
¼ S 35 in North, and
¼ S 2 in South halves, and raise a mound of
stone, 2 ft. base, 1½ ft. high, N. of cor.
- 51.00 Foot of hill, across rolling desert, rocky.
- 70.78 Wash, 30 lks. wide, course SE.
- 77.00 Wash, 20 lks. wide, course SW.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in
the ground for cor. of secs. 1, 2, 35 and 36, marked
T 6 N R 14 W in North, and
T 5 N in South halves,
S 36 in NE,
S 1 in SE,
S 2 in SW, and
S 35 in NW quadrants; from which
A palo verde 5 ins. in dia., brs. N. 51° 25' W., 90 lks.
dist., marked T 6 N R 14 W S 35 BT., No other tree
available. And raise a mound of stone, 2 ft. base,
1½ ft. high, W. of cor.
Land, mountainous and rolling.
Timber, mesquite and palo verde.
Underbrush, greasewood, cacti and mesquite.
Soil, rocky and worthless.

Thence, I run
N. 89° 45' E., on a true line, bet. secs. 1 and 36.
Over rolling desert land, thru dense underbrush.

- 6.30 Drain, course SE.
- 9.05 Wash, 50 lks. wide, course SW.
- 10.75 Drain, course W.
- 21.50 Drain, course SW.
- 25.70 Drain, course SW.
- 26.55 Drain, course SW.
- 30.35 Drain, course SE.
- 37.00 Wash, 30 lks. wide, course SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
the ground for ¼ sec. cor., marked
¼ S 36 in North, and
¼ S 1 in South halves, from which
A palo verde 6 ins. in dia., brs. S. 47° 50' E., 190 lks.
dist., marked ¼ S 1 BT.

9. Survey of the North Boundary of T. 5 North, Range 14 West. 9.

Chains An iron wood, 5 ins. in dia., brs. N. 9° 45' W., 167 lks. dist., marked $\frac{1}{4}$ S 36 BT.
 48.00 Wash, 50 lks. wide, course SE.
 50.50 Wash, 40 lks. wide, course SW.
 58.00 Wash, 30 lks. wide, course S.
 66.21 Road, brs. N. and S.
 79.90 Road, brs. NW. and SE.
 80.00 The cor. of Ts. 5 and 6 N., Rs. 13 and 14 W.
 Land, rolling.
 Timber, palo verde and mesquite.
 Underbrush, greasewood, palo verde and mesquite.
 Soil, rocky 3rd rate.
 At this cor. I set off 9° 13' N. on the decl. arc and observe the sun on the meridian at noon; the resulting lat. is 33° 48 $\frac{1}{2}$ ' N.

GENERAL DESCRIPTION.

T. 5 N., R. 14 W., is mostly rocky and mineral with some land in the southern and eastern part that might be cultivated. The town of Vicksburg lies in the SW. part.
 T. 6 N., R. 14 W., is mostly mountainous and mineral with some land in the SE. part that might be farmed.
 There is no water along this line.
 There are no settlers along this line.

Latitudes, departures, and closing errors.

Line designated	True bearing	Dis- tance	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	West	476.41				476.41
West Boundary	North	480.00	480.00			
North Boundary	N. 89° 45' E.	478.20	2.10		478.20	
East Boundary	South	240.00		240.00		
" "	S. 0° 6' W.	40.10		40.10		.07
" "	S. 0° 43' W.	40.30		40.30		.50
" "	S. 0° 7' E.	39.85		39.85	.08	
" "	S. 0° 17' E.	39.50		39.50	.20	
" "	S. 0° 13' E.	40.16		40.16	.15	
" "	S. 0° 15' E.	40.98		40.98	.17	
Convergency					.49	
Totals			482.10	480.89	479.29	476.98
Error in latitude			480.89	Error	476.98	
			1.21	indep.	2.31	

Retracement of part of 1st Stand. Par. N., thru R. 14 West.

Chains Sept. 1:

At 7 a.m., l.m.t., I set off 33° 43½' N. on the lat. arc; 8° 35½' N. on the decl. arc, and determine a meridian with the solar at the standard corner of secs. 35 and 36, which is a stone marked and witnessed as described by the Surveyor General.

Thence, I run East, along south boundary of Sec. 36. Over level land, thru dense underbrush.

- 18.00 Over rough mountains.
- 40.03 The old ¼ sec. cor., which is a stone, marked and witnessed as described by the Surveyor General.
- 41.00 Top of ridge, brs. N. and S. Descend steep rocky slope.
- 50.00 Wash, 25 lks. wide, course N. Ascend steep rocky slope.
- 71.75 Top of ridge, brs. N. and S. Descend steep rocky slope. Difference bet. measurements of 76.41 chs. by two sets of chainmen is 10 lks., position of middle point By 1st set, 76.36 chs., By 2nd set, 76.46 chs., the mean of which is
- 76.41 the old, standard cor. of T. 5 N., Rs 13 and 14 W., a stone marked and witnessed as described by the Surveyor General Land, mountainous and level. Timber, mesquite and palo verde. Underbrush, greasewood, mesquite and cacti. Soil, rocky and worthless.



Chains Thence, I run
 North bet. Rs. 13 and 14, from standard cor. of
 T. 5 N., Rs. 13 and 14 W.
 Over mountainous land.

40.98 Old $\frac{1}{4}$ sec. cor. brs. west 17 lks. dist. which is a stone
 marked and witnessed as described by the Surveyor
 General. The true course of this half-mile is N. 0°
 15' W.

81.14 The old cor. of secs. 25, 30, 31 and 36, brw. west 32 lks.
 dist. which is a stone, marked and witnessed as describ-
 ed by the Surveyor General. True course, $\frac{1}{2}$ mile N. 0° 13' W.
 Land, mountainous.
 Timber, mesquite and palo verde.
 Underbrush, mesquite and cacti.
 Soil, rocky and worthless.

Thence, I run
 North, bet. secs. 25 and 30.
 Over mountainous land.

39.50 Old $\frac{1}{4}$ sec. cor. brs. west 20 lks., which is a stone, mark-
 ed and witnessed as described by the Surveyor General.
 True course of this half-mile is N. 0° 17' W.

79.35 The old cor. of secs. 19, 24, 25 and 30, which is a stone,
 marked and witnessed as described by the Surveyor General,
 brs. West 28 lks. True course of this half mile is
 N. 0° 7' W.
 Land, mountainous.
 Timber, palo verde and mesquite.
 Underbrush, greasewood, mesquite and cacti.
 Soil, rocky and worthless.

Sept. 1, 1911.

Sept. 2, 1911:
 From the cor. of secs. 19, 24, 25 and 30, I run
 North, bet. secs. 19 and 24.
 Over rolling broken land.

16.62 Road, Vicksburg to Salome, brs. SW. and NE.

18.25 Wash, 35 lks. wide, course SW.

20.91 Railroad, brs. SW. and NE.

21.55 Telegraph line, brs. NE. and SW.

40.30 The old $\frac{1}{4}$ sec. cor. brs. east 50 lks. Cor. is a stone
 marked and witnessed as described by the Surveyor
 General. True course of this half-mile is N. 0° 43' E.

55.00 Wash, 25 lks. wide, course SE.

80.40 The old sec. cor. of secs., 13, 18, 19 and 24, which is a
 stone marked and witnessed as described by the Surveyor
 General brs. East 57 lks. True course of this half-mile
 is N. 0° 6' E.
 Land, rolling and mountainous.
 Timber, palo verde and mesquite.
 Underbrush, mesquite, cacti and greasewood.
 Soil, rocky, 3rd rate.

Fred W. Rodolf

 U. S. Surveyor.

FINAL OATHS OF ~~DEPUTY~~ SURVEYOR AND HIS ASSISTANTS.

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BOOK 2344

LIST OF NAMES.

A list of the names of the individuals employed by Fred W. Redelf

....., 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 W & N Bdys & retracement of part of S & E bdys. of T.5 N., R.14 W.

showing the respective capacities in which they acted:

~~Paul Dial~~

Paul Dial, H. N. Bradstreet....., *Chainman.*

J. Gary Lindley & L.E. Flanagan....., *Chainman.*

Oliver Nofzinger....., *Moundman.*

....., *Moundman.*

J. Gary Lindley....., *Axman.*

....., *Axman.*

Harry B. Marshall....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Fred W. Redelf

....., United States ~~Deputy~~ Surveyor, in surveying all those parts or portions of the W & N Bdys. and retracement of part of S. & E. Bdys. of Tp. 5 N., R. 14 W.

..... of the

Principal..... meridian, State..... 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

Paul Dial....., *Chainman.*

L. E. Flanagan....., *Chainman.*

Oliver J. Nofzinger....., *Moundman.*

....., *Moundman.*

J. Gary Lindley....., *Axman.*

....., *Axman.*

H. B. Marshall....., *Flagman.*

Subscribed and sworn to before me this 8th

day of September, 1911



Fred W. Redelf

U. S. Surveyor

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BOOK 2344

FINAL OATH OF UNITED STATES ~~DEPUTY~~ SURVEYOR.

I, Fred W. Rodolf, United States ~~Deputy~~ Surveyor, do solemnly swear that, in pursuance of ~~contract~~ special instructions received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 8th day of July, 1911, 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 West & North bdys. and retracement of part of S. & E. bdys. of T. 5 N., R. 14 W.

of the _____ of the _____
Principal _____ meridian, in the State _____ 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.

Fred W. Rodolf

United States ~~Deputy~~ Surveyor.

Subscribed by said Fred W. Rodolf, and sworn to before me }
this 12 day of Aug, 1912



[Signature]
By [Signature]
Deputy

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, August 17, 1912.

The foregoing field notes of the survey of West & North Bdys. and retracement of part of S. & E. bdys. of T. 5 N., R. 14 W.

executed by Fred W. Rodolf
under ~~contract~~ Group No. 12, dated July 18, 1911, 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.