

FIELD NOTES

OF THE SURVEY OF THE

Regulatory Subdivision of T. 12 N. R. 1 E.

(BOOK "C" - GROUP No. 20, OF CORRECTIVE SURVEY OF PART OF THE SUBDIVISION LINES OF T. 12 N. R. 1 E., HERETO ATTACHED)

Of the Gila Salt River Meridian,

In the State of

Arizona

EXECUTED BY

Fred W. Rodolf

In the capacity of U. S. Surveyor, under instructions dated May 19, 1911, issued by the United States Surveyor General to govern surveys included in Group No. 11, which were approved by the Commissioner of the General Land Office, June, 1911, pursuant to authority contained in the Act of Congress dated March 4, 1911.

Survey commenced June 23, 1911

Survey completed July 4, 1911

1A
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BOOK 2356

INDEX DIAGRAM.

Township 12 N, Range 1 E

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			19		13		9			2
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NOTE: Red figures on above Index Diagram index pages of corrective survey in Book "C" Group 20, hereto attached.

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INDEX DIAGRAM.

Township 12 North, Range 1 East

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18	17	17	14	15			14	4	13
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19	20		31	12	22	9	23	3	24
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see opposite page

Meanders Page

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BOOK 2356

PRELIMINARY OATHS OF ASSISTANTS.

WE, Theodore Secor and H. N. Bradstreet
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 subdivision of Tp. 12 N., R. 1 E.

Theodore Secor, Chairman.
H. N. Bradstreet, Chairman.

Subscribed and sworn to before me this 22nd
day of June, 19 11



Fred W. Rodolf
U. S. Surveyor

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 subdivision of T. 12 N., R. 1 E.

Oliver Nofzinger, Moundman.
_____, Moundman.

Subscribed and sworn to before me this 22nd
day of June, 19 11



Fred W. Rodolf
U. S. Surveyor

WE, Harry B. Marshall 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 subdivision of T. 12 N., R. 1 E.

H. B. Marshall, Axman.
_____, Axman.

Subscribed and sworn to before me this 22nd
day of June, 19 11



Fred W. Rodolf
U. S. Surveyor

I, L. E. Flanagan, 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 subdivision of T. 12 N., R. 1 E.

L. E. Flanagan, Flagman.

Subscribed and sworn to before me this 22nd
day of June, 19 11



Fred W. Rodolf
U. S. Surveyor

Chains.

Survey commenced on the 23rd day of June, 1911, and executed with a Young and Sons' light mountain transit No. 6492, 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.

On the 19th of June, I made tests of the transit and the solar attachment, and found that they were in good adjustment; and described positions for a meridian which coincided with the meridian determined by Polaris observations. From my work since then, I know the instrument is still in good adjustment, and therefore, do not deem it necessary to repeat the tests.

June 23: At 7 a.m., l.m.t., I set off $34^{\circ}22\frac{1}{2}'N.$ on the lat.arc; $23^{\circ}28'N.$ on the decl.arc, and determine a meridian at the cor. of secs. 23, 24, 35 and 36, recently set by me on the S. boundary of Tp. as described in Book "F" Group II

Thence I run,

$N.0^{\circ}01'W.$ bet. secs. 35 and 36.

Descend over loose rocks, through dense underbrush.

4.35 Wash, 30 lks.wide, course SE. Ascend.

22.22 Road, brs. NE.and SW.

26.42 Top of ridge, brs.NW.and SE. Descend steep rocky slope.

From here NE.cor. of loading station at end of tramway from Blue Bell mine brs. $N.24^{\circ}12'W.$

Chimney of R.R.house brs. $N.11^{\circ}55'W.$

Shed brs. $N.5^{\circ}30'W.$

30.72 Road, brs. NW.and SE.

32.84 P.and E.Railway track, brs. NW.and SE.

34.93 Road, Prescott to Phoenix brs. NW.and SE. Slope becomes gradual.

40.00 The point for $\frac{1}{4}$ sec.cor. falls in drain, course NW.

41.20 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec.cor., marked $WC \frac{1}{4} S 35$ on W. and S 36 on E.half, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft. high, W.of cor.

44.00 Telephone line, brs. NW.and SE. Ascend little steep rocky hill.

46.91 Top of rocky hill. From here,

NE.cor.of loading station brs. $S.51^{\circ}16'W.$

Chimney on R.R. house brs. $S.16^{\circ}30'W.$

Shed, brs. $S.18^{\circ}15'W.$

Descend steep rocky slope.

66.00 Drain, course E.

70.64 Road, brs. NE.and SW.

77.75 Wash, 40 lks.wide, course E. Across flat.

80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for cor.of secs. 25, 26, 35 and 36, marked

T 12 N R 1 E on N.,

S 25 on NE.,

S 36 on SE.,

S 35 on SW., and

S 26 on NW. quad.; dig pits, 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W.of cor.

Land, mountainous and rolling.

No timber. Underbrush, dense scrub oak.

Soil, to 66.00 chs. rocky, 3rd rate; to 80.00 chs., light loam, with some loose rocks, 2nd rate.

Thence I run,

East, on random line bet. secs. 25 and 36.

2. Subdivision of Township 12 North, Range 1 East.

Chains.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.10 Intersect the E.bdy.of Tp. 7 lks.N.of the true point for cor. of secs. 30,31,25 and 26, marked and witnessed as described by the Surveyor General.
 Thence I run,
 N.89° 57'W. on a true line bet. secs. 25 and 36.
 Descending over loose rocks, through dense underbrush.
- 7.00 Old road, brs.N.and S.
 10.00 Wash,100 lks.wide, course S. Ascend over loose rocks.
 15.50 Top of ridge, brs. N.and S. Descend over loose rocks.
 25.00 Wash, 20 lks.wide, course S. Ascend over loose rocks.
 33.00 Top of ridge, brs. N.and S. Descend over loose rocks.
 From here,
 Quachela's house brs. S.24°10'E.
 Quachela's barn brs. S.30° 35'E.
- 40.05 Set a 1 in,iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 25 on N. and S 36 on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
 Quachela's house brs. S.40°00'E.
 Quachela's barn brs. S.44°00'E.
 House brs. S.20°00'W., Flecher,owner.
- 44.60 Drain, course S. Along broken S. slope.
 52.27 Wire fence brs. N.and S.
 60.61 House brs. S. 61°45'E. Descend steep SE. slope,over loose rocks.
- 60.91 Cor.No.3 of Combine Lode claim brs. S.22°W., 10.41 chs.
 67.75 Irrigating ditch, brs. SE.
 68.40 Enter Big Bug Wash, course SE.
 70.72 Cor.No. 2, Combine Lode claim, brs.S.22°W., 6.74 chs.
 75.60 Leave Big Bug Wash, course SE.
 80.10 The cor.of secs.25,26,35 and 36.
 Land, mountainous.
 No timber. Underbrush, scrub oak.
 Soil, rocky, 3rd rate.
 Sun was obscured by cloud at noon; could get no observation to determine latitude.
- Thence I run,
 N.0°01'W., bet.secs.25 and 26.
 Across flat, through dense underbrush.
- 0.94 Road, brs. NW.and SE.
 8.61 Fence brs.NW.and SE. Ascend low rocky ridge.
 13.00 Top of ridge, brs. NW.and SE. Descend rocky slope.
 14.75 Across flat.
 15.43 Barn on line.
 16.90 Gaddis' house brs. west 40 ft.
 19.25 Fence brs.NW.and SE. Enter Big Bug Creek,course SE.
 22.00 Leave creek,brs.SE. Small stream of water.Ascend steep rocky S.slope.
 29.00 Top of ridge, brs.E.and W. Descend steep rocky slope.
 37.00 Drain, course west. Ascend steep slope.
 38.00 Cor.No.3 of Homestead Entery, No.41 brs.S.83°45'W., a distance of 3.54 chs.
 40.00 Set a 1 in.iron post,3 ft.long,26 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ S 26 on W.and S 25 on E.half;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor.
 41.85 Murphy's house brs.S.43°00'W.
 Murphy's barn brs.S.19°00'W.
 43.00 Descend steep rocky NW.slope.
 47.00 Drain, course SW. Ascend steep rocky slope.
 70.10 Top of high ridge,brs.E.and W. From here,
 Murphy's house brs.S.16°00'W.
 Murphy's barn brs.S.19°00'W.
 Descend steep rocky slope.
- 80.00 Set a 2 in.iron post, 3 ft.long,24 ins.in the ground,for cor.of secs .23,24,25 and 26, marked

Chains.

T 12 N R 1 E on N. half,
S 24 on NE.,
S 25 on SE.,
S 26 on SW., and
S 23 on NW. quad., and raise a mound of stone 2 ft.
base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous and level.

No timber. Underbrush, dense scrub oak.

Soil to 19.00 chs. light loam, except where crossing
low ridge, 1st class; to 80.00 chs. rocky and worthless.

June 23, 1911.

June 24: At 7 a.m., l.m.t., I set off $34^{\circ}24'$ N. on the
lat. arc; $23^{\circ}27\frac{1}{2}'$ N. on the decl. arc, and determine
a meridian with the solar at the cor. of secs. 23, 24, 25
and 26,

Thence I run,

S. $89^{\circ}57'$ E., on random line, bet. secs. 24 and 25.

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

80.06 Intersect the E. bdy. of Tp. 16 lks. N of the cor. of secs.
19, 24, 25 and 30, a granite stone $8 \times 8 \times 6$ ins. above ground marked and
The witness is as described by the Surveyor General. Thence I run,

N. $89^{\circ}50'$ W. on true line, bet. secs. 24 and 25.

Over rough broken land, through dense underbrush.

1.90 Road, brs. NW. and SE.

3.90 Drain, course SE.

4.50 Drain, course N.

10.20 Old road, brs. N. and S.

36.00 Leave broken land. Ascend steep rocky E. slope.

40.03 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 24 on N. and S 25 on S.
half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.
high N. of cor.

46.00 Top of ridge, brs. N. and S. Descend steep rocky slope.

52.00 Across flat.

54.67 Road, brs. N. and S.

56.90 Wash, 20 lks. wide, course S.

64.00 Leave flat. Ascend steep rocky slope.

76.90 Top of ridge, brs. N. and S. Descend steep rocky slope.

80.06 The cor. of secs. 23, 24, 25 and 26.

Land, level and mountainous.

No timber. Underbrush, dense scrub oak.

Soil to 52.00 chs., rocky, 4th rate; to 64.00 chs. light
loam of 2nd class; to 80.06 chs., rocky and worthless.

Thence I run,

N. $0^{\circ}01'$ W., bet. secs. 23 and 24.

Descend steep slope, over loose rocks, through dense under-
brush.

3.37 Wash, 15 lks. wide, course E.

4.56 Road, brs. E. and W. Ascend steep rocky slope.

22.00 Top of ridge, brs. SE. and NW. Descend along E., rocky
slope.

28.00 Along top of E. slope of ridge.

35.00 Descend steep rocky slope.

38.00 Wash, 20 lks. wide, course E. Over rough, broken land.

40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 23 on W., S 24 on E. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
of cor.

74.32 Road, brs. E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for cor. of secs. 13, 14, 23 and 24, marked,

4. Subdivision of Township 12 North, Range 1 East.
Chains.

T 12 N, R 1 E on N.half;
S 13 in NE.,
S 24 on SE.,
S 23 on SW., and
S 14 on NW.quad., and raise a mound of stone, 2 ft.
base, 1½ ft. high, W.of cor.
Land, mountainous.
No timber.
Underbrush, dense scrub oak.
Soil, rocky and worthless.
At this cor.I set off 23°26½'N. on the decl.arc, and
observe the sun on the meridian at noon; the result-
ing lat.is 34°25' N.

Thence I run,
S.89°50'E. on random line, bet. secs.13 and 24.
40.00 Set temp. ¼ sec.cor.
80.26 Intersect the E.bdy.of Tp. 22 lks.S.of the cor.ofsecs.
13,18,19 and 24, a quartz stone 6x6x5 ins.above ground, marked
Theandwitnessed as described by the Surveyor General, Thence I run,
West, on true line, bet. secs.13 and 24.
Descend steep rocky slope, through dense underbrush.
6.00 Wash, 15 lks.wide, course N. Ascend steep rocky slope.
10.00 Top of ridge, brs.N.and S, Descend steep rocky slope.
18.00 Road, brs. N.and S. in wash, 20 lks.wide, course N.
Ascend steep rocky slope.
30.00 Top of ridge, brs.N.and S. Descend steep rocky slope.
33.50 Drain, course NNW. Ascend steep rocky slope.
34.50 Top of ridge, brs, N. and S. Descend steep rocky slope.
40.13 Set a 1 in. iron post, 3 ft. long, 26 ins. in the
ground for ¼ sec.cor., marked ¼ S 13 on N., S 24 on
S.half, and raise a mound of stone 2 ft. base, 1½
ft.high, N.of cor.
44.40 Drain, course N.
47.70 Wash, 20 lks.wide, course N. Ascend steep rocky slope.
60.00 Top of high ridge, brs.N.and S. Descend steep rocky
slope.
63.40 Road, brs.N.and S. in wash, 25 lks.wide, course N. Ascend
steep rocky slope.
70.00 Top of ridge, brs.N.and S. Descend steep rocky slope.
74.19 Wash, 15 lks.wide, course S. Ascend steep rocky slope.
80.26 The.cor.of secs.13,14,23 and 24.
Land, mountainous.
Timber, none. Underbrush, scrub oak, very dense.
Soil, rocky and worthless.

Thence I run,
N.0°01'W. bet. secs. 13 and 14.
Ascend along steep rocky E. slope of ridge, through dense
underbrush.
15.00 Ascend steeply to high point of ridge.
25.00 Top of high point on ridge, brs.NE.and SW. Descend
steep rocky slope.
39,00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the
ground, for witness cor.to ¼ sec.cor., marked W C ¼
S 14 on W., and S 13 on E.half; and raise a mound of
stone 2 ft.base, 1½ ft. high, W.of cor.
40.00 The point for ¼ sec.cor.falls in wash, 20 lks.wide,
course east. Ascend slowly in bottom of drain.
52.00 Leave drain, ascend rocky slope.
59.00 Ascend steep rocky W. slope of butte.
71.00 Descend steep rocky NW.slope.

Chains.

77.00 Wash, 20 lks. wide, course E. Ascend steep rocky slope.
 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground,
 for cor. of secs. 11, 12, 13 and 14, marked
 T 12 N R 1 E on N. half;
 S 12 on NE.,
 S 13 on SE.,
 S 14 on SW., and
 S 11 on NW. quad., and raise a mound of stone 2 ft.
 base, 1½ ft. high, W. of cor.
 Land, mountainous.
 No timber. Underbrush, very dense scrub oak.
 Soil, rocky and worthless.

June 24, 1911.

 June 25: At 7 a.m., 1.m.t., I set off 34° 26' N. on the
 lat. arc; 23° 26' N. on the decl. arc, and determine a mer-
 idian with the solar at the cor. of secs. 11, 12, 13 and
 14.

Thence I run,
 East, on random line, bet. secs. 12 and 13.

40.00 Set temp. ¼ sec. cor.
 80.16 Intersect the east boundary of Tp. 15 lks. S. of the cor. of
 secs. 7, 12, 13 and 18, a malpais stone 10x6x6 ins. above ground,
 marked and witnessed as described by the Surveyor General, Thence I run,
 S. 89° 54' W. on true line, bet. secs. 12 and 13.
 Ascending steep rocky slope, through dense underbrush.
 8.00 Top of high ridge, brs. N. and S. Descend steep rocky
 slope.
 25.00 Over rough, broken land.
 27.50 Road, brs. N. and S.
 40.08 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground,
 for ¼ sec. cor., marked ¼ S 12 on N. half and S 13 on
 S. half; and raise a mound of stone 2 ft. base, 1½ ft.
 high, N. of cor.
 47.80 Drain, course S. Ascend.
 49.90 Top of ridge, brs. N. and S. Descend.
 51.80 Drain, course S. Ascend.
 59.50 Top of ridge, brs. N. and S. Descend.
 69.60 Drain, course S. Ascend.
 75.00 Top of ridge, brs. N. and S. Descend.
 78.20 Drain, course S. Ascend.
 80.16 The cor. of secs. 11, 12, 13 and 14.
 Land, mountainous.
 No timber.
 Underbrush, very dense scrub oak.
 Soil, rocky and worthless.
 At this cor. I set off 23° 25' N. on the decl. arc; and ob-
 serve the sun on the meridian at noon; the resulting
 latitude is 34° 26' N.

 Thence I run,
 N. 0° 01' W., bet. secs. 11 and 12.

Ascending over loose rocks, through dense underbrush.
 5.00 Top of ridge, brs. E. and W. Descend steep, rocky slope.
 10.00 Wash, 20 lks. wide, course E. Ascend steep rocky slope.
 14.00 Top of ridge, brs. E. and W. Descend steep rocky slope.
 17.00 Wash, 15 lks. wide, course E. Ascend steep rocky slope.
 20.50 Top of ridge, brs. E. and W. Descend steep rocky slope.
 24.00 Wash, 15 lks. wide, course E. Ascend steep rocky slope.
 31.03 Top of ridge, brs. E. and W. Telephone line brs. E. and W.
 Descend steep rocky slope.
 35.93 Fossil Creek Power Co. Transmission line, brs. E. and W.
 36.50 Wash, 15 lks. wide, course E. Ascend steep rocky slope.

6. Subdivision of Township 12 North, Range 1 East.

Chains.
40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 11 on W. and S 12 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
42.00 Top of ridge, brs.E.and W. Descend steep rocky slope.
44.00 Drain, course E. Ascend steep rocky slope.
54.00 Top of ridge, brs E.and W. Descend steep rocky slope.
57.50 Drain, course E. Ascend steep rocky slope.
59.50 Drain, course SE.; continue ascent.
66.00 Top of small butte; descend steep rocky slope.
80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for cor.of secs.1,2,11 and 12, marked
T 12 N R 1 E on N.half,
S 1 on NE.,
S 12 on SE.,
S 11 on SW., and
S 2 on NW. quad., and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
Land, mountainous.
No timber. Underbrush, very dense scrub oak.
Soil, rocky and worthless.

June 25th, 1911.

June 26: At 7 a.m., l.m.t., I set off $34^{\circ} 26\frac{1}{2}' N.$ on the lat.arc; $23^{\circ} 25' N.$ on the decl.arc, and determine a meridian with the solar at the cor.of secs.1,2,11 and 12.

Thence I run,
N. $89^{\circ} 54' E.$ on random line, bet. secs.1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec.cor.
80.12 Intersect the E. bdy.of Tp. 3 lks.N.of the cor.of secs. 1, 6, 7 and 12, a quartz stone $6 \times 6 \times 5$ ins. above ground, marked and witnessed as described by the Surveyor General. Thence I run,
S. $89^{\circ} 55' W.$ on true line, bet. secs.1 and 12.

Ascend steep rocky E. slope, through dense underbrush.
8.00 Top of ridge, brs.N.and S. Descend steep rocky slope.
18.00 Wash, 25 lks.wide, course N. Ascend along steep rocky N.slope of ridge.

40.06 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 1 on N. and S 12 on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,N.of cor.

48.00 Top of ridge, brs.NW.and SE. Descend steep rocky slope.
59.00 Wash, 15 lks.wide, course S. Ascend steep rocky slope.
64.00 Top of ridge, brs.N.and S. Descend steep rocky slope.
72 40 Canyon, course N. Ascend steep rocky slope.
76.72 Top of ridge, brs.N.and S. Descend steep rocky slope.
80.12 The cor.of secs.1,2,11 and 12.

Land, mountainous.
No timber, Underbrush, dense scrub oak.
Soil, rocky and worthless.

Thence I run,
N. $0^{\circ} 01' W.$, bet. secs.1 and 2.
Descending steep rocky slope, through dense underbrush.

2.00 Drain, course NE. Ascend steep rocky slope to point on high hill.

10.50 Point on E. slope of high hill. Descend steep rocky slope.

22.20 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for witness cor.to closing cor.on Homestead Entry No.60, marked

WC, CC T 12 N R 1 E on S.half,
H E S No.60 on N.half,

Chains.

- S 1 on SE., and
S 2 on SW. quad., and raise a mound of stone 2 ft. base, 1½ ft. high, S. of cor.
- 24.65 Intersect the S.bdy. of Homestead Entry No. 60, from which cor. No. 8 on entry brs. N. 63° 48' W., 7.27 chs. dist., falls in wash, 40 lks. wide, course NE. Ascend steep point.
- 28.50 Top of point brs. SW. and NE. Descend over cliff into Agua Fria River. From here,
Alphonse Lessard's house brs. N. 35° 02' W.
Alphonse Lessard's shed brs. N. 13° 14' W.
- 29.25 Enter Agua Fria River, course E.; small stream of water.
- 34.15 Leave river, across flat.
- 38.32 Fence brs. E. and W., through yard.
- 39.77 Fence, brs. E. and W.
- 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for ¼ sec. cor., marked ¼ S 2 on W., and 1 on E. half, from which,
A cottonwood, 18 ins. diam., brs. S. 67° 52' E., 137 lks. dist., marked ¼ S 1 B T.
A cottonwood, 12 ins. diam., brs. S. 25° 41' W., 20 lks. dist., marked ¼ S 2 B T.
- 41.00 Road, brs. E. and W.
- 43.00 Barn on line.
- 45.88 Intersect the N. bdy. of Homestead Entry survey No. 60, S. 66° 37' W. of cor. No. 3, a distance of 3.75 chs. Set a 1 in. iron post 3 ft. long, 26 ins. in the ground, for closing cor., marked
C C T 12 N R 1 E on N.,
H E S No. 60 on S. half;
S 1 on NE., and
S 2 on NW. quad., and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
Ascending over broken land.
From this closing cor.,
Lessard's house brs. S. 6° 22' W.
Lessard's shed brs. S. 25° 30' W.
- 56.59 Slaughter house on line.
- 67.00 Wash, 30 lks. wide, course SE. Ascend steep rocky high ridge.
- 78.88 Intersect the 3rd. Standard Parallel North, ¹⁵⁸~~160~~ lks. E. of the cor. of secs. 35 and 36, which is a post marked and witnessed as described by the Surveyor General.
Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for closing cor. bet. secs. 1 and 2, marked,
T 12 N R 1 E, C C on S. half;
T 13 N R 1 E S 35, S 36 on N. half, and
S 1 on SE., and
S 2 on SW. quad., and raise a mound of stone 2 ft. base, 1½ ft. high, S. of cor.
Land, mountainous.
No timber. Underbrush, scrub oak.
Soil, to 34.15 chs., rocky and worthless; to 43.00 chs., light sandy loam of 1st class; to 78.88 chs., rocky and worthless.

see Book A Group 20

~~At the cor. of secs. 1, 2, 11 and 12, I set off 23° 23½' N. on the decl. arc, and observe the sun on the meridian at noon; the resulting lat. is 34° 26½' N.
 Thence I run,
 West, bet. secs. 2 and 11.
 Ascending along steep rough rocky N. slope, through dense underbrush.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for ¼ sec. cor., marked ¼ S 2 on N. and S 11 on S.~~

See Note on next page ↑

8. Subdivision of Township 12 North, Range 1 East.

Chains. half, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 80.00 Falls high up on N. slope of high ridge. Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked
 T 12 N R 1 E on N.,
 S 2 on NE.,
 S 11 on SE.,
 S 10 on SW., and
 S 3 on NW. quad., and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Land, mountainous.
 No timber. Underbrush, scrub oak.
 Soil, rocky and worthless.

Thence I run,
 N. 0° 01' W., bet. secs. 2 and 3.
 Descending along rough, rocky E. slope of high ridge, through dense underbrush.
 26.00 Drain, course E.
 32.10 Drain, course E.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground for 1/4 sec. cor., marked 1/4 S 3 on W., and S 2 on E. half, and raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.
 49.75 Drain, course E.
 69.85 Drain, course E. Ascend steep rocky slope.
 78.75 Intersect the 3rd. Standard Parallel North, 1.65 chs. E. of the cor. of secs. 34 and 35, which is a stone marked and witnessed as described by the Surveyor General. Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for closing cor. bet. secs. 2 and 3, marked
 T 13 N R 1 E, S 34, S 35 on N.,
 C C T 12 N R 1 E on S. half,
 S 2 on SE., and
 S 3 on SW. quad., and raise a mound of stone 2 ft. base, 1 1/2 ft. high, S. of cor.
 Land, mountainous.
 No timber.
 Underbrush, dense scrub oak.
 Soil, rocky and worthless.

June 26, 1911.

June 27: At 7 a.m., l.m.t., I set off 34° 22' N. on the lat. arc; 23° 23' N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 24, 25, 34 and 35 on the S. bdy. of Tp., recently estab. by me as described in Book "F" Group II

Thence I run,
 N. 0° 01' W., bet. secs. 34 and 35.
 Descending over loose rocks, through scattering underbrush.
 2.47 Drain, course SE.
 18.00 Top of ridge, brs. NW. and SE. Descend steep slope, through dense underbrush.
 38.00 Wash, 20 lks. wide, course E.
 40.00 Drain, course E. Ascend steep rocky slope.
 41.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for witness cor. to 1/4 sec. cor., marked W C 1/4 S 34 on W. and S 35 on E. half, and raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.
 57.00 Top of ridge, brs. E. and W. Descend steep rocky slope.
 67.00 Wash, 15 lks. wide, course E. Ascend steep rocky slope.
 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the

NOTE: For corrective notes of survey of this mile see page 3, Book "C", Group 20, hereto attached.

NOTE: For corrective notes of survey of this mile see page 3, Book "C", Group 20, hereto attached.

Subdivision of Township 12 North, Range 1 East.

Chains.

ground, for cor. of secs. 26, 27, 34 and 35, marked
 T 12 N R 1 E on N.,
 S 26 on NE.,
 S 35 on SE.,
 S 34 on SW. and
 S 27 on NW. quad., and raise a mound of stone, 2
 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 No timber. Underbrush, scrub oak.
 Soil, rocky and worthless.

Thence I run,
 East, on random line, bet. secs. 26 and 35.
 40:00 Set temp. ¼ sec. cor.
 80:06 Intersect the N. and S. line 23 lks. S. of the cor. of secs.
 25, 26, 35 and 36.
 Thence I run,
 S. 89° 50' W., on true line, bet. secs. 26 and 35. —
 Slowly ascending through dense underbrush.
 6:10 Road, brs. N. and S. Prescott to Phoenix.
 16:00 Phone line, brs. N. and S.
 18:34 Railroad, brs. N. and S. Over rough broken, rocky land.
 40:03 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground,
 for ¼ sec. cor., marked ¼ S 26 on N. and S 35 on S. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N.
 of cor.
 71:10 Drain, course SE. Ascend steep rocky, slope.
 76:00 Descend steep rocky SW. slope.
 80:06 The cor. of secs. 26, 27, 34 and 35.
 Land, mountainous.
 No timber. Underbrush, scrub oak.
 Soil to 18.00 chs., light loam, with some loose rocks, 2nd
 rate; to 80.06 chs., rocky and worthless.
 At this cor. I set off 23° 21½' N. on the decl. arc, and
 observe the sun on the meridian at noon; the resulting
 lat. is 34° 23½' N.

Thence I run,
 N. 0° 01' W., bet. secs. 26 and 27.
 Ascending steep rocky slope, through dense underbrush.
 3:00 Top of ridge, brs. E. and W. Descend steep, rocky slope.
 12:00 Drain, course E. Over broken land.
 28:15 Drain, course E.
 38:00 Wash, 20 lks. wide, course SE. Ascend steep rocky slope.
 Slaughter house brs. N. 75° W.
 40:00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground,
 for ¼ sec. cor., marked ¼ S 27 on W. and S 26 on E. half;
 raise a mound of stone, 2 ft. base, 1½ ft. high, W. of
 cor.
 57:80 Top of ridge, brs. E. and W. Descend steep slope.
 Tank bears west.
 Slaughter house brs. S. 33° W.
 60:00 1st house bears N. 68° 20' W.
 2nd house brs. N. 68° 00' W.
 3rd house bears N. 61° 30' W.
 4th house bears N. 51° 30' W.
 5th house bears N. 51° 00' W.
 6th house bears N. 50° 10' W.
 7th house bears N. 48° 35' W.
 8th house bears N. 53° 00' W.
 9th house bears N. 50° 00' W.
 10th house bears N. 48° 00' W.
 11th house bears N. 42° 30' W.
 Yavapai Supply Co. store bears N. 41° 30' W.

10. Subdivision of Township 12 North, Range 1 East.
Chains.

- Chinese restaurant, bears N.42°10'W.
 Brick Building contains Red Walker's and Ish Davis' saloons bears N.36°45' W.
 Lumber yards, bears N.27°45' W.
 12th house bears N.20°15' W.
 13th house bears N.15°00'W.
 Ish Davis' house bears N.7°00'W.
 Brick building, Archer's store, brs. N.2°45'W.
 Shed, bears N. 2°00'W.
 14th house bears N.3°30'E.
 Liver stable bears N.8°45' E.
 15th house bears N.9°10'E.
 White house hotel brs. N.18°10'E.
 16th house bears N.20°15'E.
 17th house bears N.23° 20'E.
 Blacksmith shop bears N.16°30'E.
 House for section hands brs. N.24°15'E.
 18th house bears N.27°30'E.
 19th house bears N.32°30'E.
 20th house bears N.52°15'E.
 Hospital bears N.57°10'E.
 21st house bears N.60°20'E.
 Barn bears N.61°30'E.
 22nd house bears N.62°15'E.
 23rd house bears N.63°05'E.
 24th house bears N.64°05'E.
 Smelter bears N.67° 45' E.
 Tank bears S.82° 30'W.
 68.13 Road, brs. NW.and SE.
 68.77 Phone line bears NW. and SE.
 69.91 Road bears NW. and SE.
 71.02 Railroad bears NW.and SE.
 71.31 Road bears SW. and NE.
 72.55 Intersect the S.bdy.of Walter Moe Placer claim, Survey No.1798, Cor.No.4, brs.N.58°08'W., 191 lks.dist. Over nearly level land.
 73.60 House on line.
 75.20 Phone line, brs.E.and W.
 75.66 Road, brs.NW.and SE.
 76.00 House brs.west 180 lks.
 76.50 House bears west, 375 lks.
 77.00 House bears west 450 lks.
 77.26 Fence brs. NW.and SE.
 78.45 Porch of house.
 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground for cor.of secs.22,23,26 and 27, marked
 T 12 N R 1 E on N.,
 S 23 on NE.,
 S 26 on SE.,
 S 27 on SW., and
 S 22 on NW.quad., from which,
 An ash 6 ins.diam., bears N.80°30'E., 223 lks.dist., marked T 12 N R 1 E S 23 B T.
 An ash, 5 ins. diam., brs. S.8°30'E., 37 lks.dist., marked T 12 N R 1 E S 26 B T.
 A willow, 4 ins.diam., brs. S.81°04'W., 93 lks.dist. marked T 12 N R 1 E S 27 B T.
 An ash 6 ins.diam., brs. N.69°50'W., 293 lks.dist., marked T 12 N R 1 E S 22 B T.
 U. S. M.M.No.4 brs. S.14°29'E., 26.34 chs.
 Land, mountainous.
 No timber. Underbrush, dense scrub oak.
 Soil, rocky, 2nd and 3rd rate.

June 27, 1911.

Chains.

- June 28: At 7 a.m., l.m.t., I set off $34^{\circ}24'$ N. on the lat. arc; $23^{\circ}20\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27.
- Thence I run,
N. $89^{\circ}50'$ E. on random line, bet. secs. 23 and 26.
- 40.00 Set a temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect the N. and S. line, 10 lks. N. of the cor. of secs. 23, 24, 25 and 26.
- Thence I run,
S. $89^{\circ}54'$ W. on true line, bet. secs. 23 and 26.
- Descend steep rocky slope, through dense underbrush.
- 1.00 Drain, course N. Ascend steep rocky slope.
- 5.00 Top of ridge, brs. N. and S. Descend steep rocky slope.
- 12.00 Wash, 15 lks. wide, course S. Ascend steep rocky slope.
- 19.00 Top of ridge, brs. N. and S. Descend steep rocky slope.
- 30.00 Big Bug Creek, 125 lks. wide, course SE. (dry). Ascend steep rocky slope.
- 33.50 Top of ridge, brs. NE. and SW. Descend steep precipitous slope.
- 37.00 Along wash, 30 lks. wide, course E.
- 39.97 Point for $\frac{1}{4}$ sec. cor. falls in wash.
- 42.07 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground; for witness cor. to $\frac{1}{4}$ sec. cor., marked W C $\frac{1}{4}$ S 23 on N. and S 26 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- Over nearly level land.
- 42.12 Fence brs. NW. and SE.
- 43.00 Barn on line.
- 55.50 Intersect the E. bdy. of Placer claim No. 2, Survey No. 1798; Cor. No. 2 brs. S. $9^{\circ}17'$ W., 149 lks. dist.
- 57.85 Fence, N. and S.
- 78.00 Fence, brs. N. and S.
- 79.94 The cor. of secs. 22, 23, 26 and 27.
Land, level and mountainous.
No timber. Underbrush, dense scrub oak.
Soil, rocky and worthless to 42.00 chs.; sandy loam, 2nd class to 79.94 chs.
-
- Thence I run,
N. $0^{\circ}01'$ W., bet. secs. 22 and 23.
- Over mountainous land, through dense underbrush.
- 0.50 Barn on line.
- 1.27 Fence, brs. E. and W.
- 3.50 Big Bug Creek (dry) 125 lks. wide, course SE.
- 4.91 Road, brs. E. and W. Ascend steep slope.
- 7.25 Intersect the N. bdy. of Polygon No. 2 Placer claim, Survey No. 1263, cor. No. 4 brs. N. $89^{\circ}10'$ E., 123 lks. dist.
- 11.50 1st house brs. S. $41^{\circ}35'$ W.
2nd house brs. S. $46^{\circ}35'$ W.
3rd house brs. S. $48^{\circ}45'$ W.
4th house brs. S. $54^{\circ}04'$ W.
5th house brs. S. $52^{\circ}45'$ W.
6th house brs. S. $46^{\circ}40'$ W.
7th house brs. S. $41^{\circ}35'$ W.
8th house brs. S. $24^{\circ}30'$ W.
9th house brs. S. $18^{\circ}00'$ W.
10th house brs. S. $26^{\circ}00'$ W.
11th house brs. S. $28^{\circ}30'$ W.
Yavapai Supply Co. brs. S. $26^{\circ}00'$ W.
Restaurant, brs. S. $20^{\circ}15'$ W.
Brick building brs. S. $16^{\circ}00'$ W.
Lumber yard, brs. S. $26^{\circ}10'$ W.
12th house brs. S. $5^{\circ}30'$ W.

12. Subdivision of Township 12 North, Range 1 East.

Chains.

- 13th house brs. S.33°45'W.
 Ish Davis' house brs. S.4°45'W.
 Brick Building brs. S. 2°00'W.
 Shed brs. S.1°00'W.
 14th house brs. S.5°00'E.
 Livery stable brs. S.10°00'E.
 15th house brs. S.6°35'E.
 White House Hotel brs. S.12°30'E.
 16th house brs. S.19°00'E.
 17th house brs. S.2°15'E.
 Blacksmith's shop brs. S.9°50'E.
 House for section hands brs. S.10°45'E.
 18th house brs. S.47°00'E.
 19th house brs. S.8°00'E.
 20th house brs. S.12°00'E.
 Hospital brs. S.19°00'E.
 21st house brs. S.83° 00'E.
 Barn brs. S.84°40'E.
 22nd house brs. S.83°30'E.
 23rd house brs. S.50°30'E.
 24th house brs. S.49°10'E.
 Smelter brs. S.67° 50'E.
- 29.94 Intersect the S. bdy. of North Onyx claim, cor. No. 2, brs. N.89°10'E., 267 lks. dist.
- 37.00 Top of ridge, brs. E. and W. Descend steep rocky slope.
- 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S. 22 on W. and S 23 on E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 43.50 Wash, 20 lks. wide, course SE. Ascend steep rocky slope.
- 52.33 Intersect the N. bdy. of North Onyx Survey No. 1245, Cor. No. 4, brs. S.89°10'W. 602 lks. dist.
- 53.00 Top of ridge, brs. NE. and SW. Descend steep rocky slope.
- 62.00 Wash, 20 lks. wide, course SE. Along steep rocky W. slope.
- 76.00 Same wash, course SSW. Along steep rocky E. slope.
- 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked
 T 12 N R 1 E on N.,
 S 14 on NE.,
 S 23 on SE.,
 S 22 on SW., and
 S 15 on NW. quad., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous.
 Soil, cottonwood and ash timber along Big Bug Wash.
 Underbrush, scrub oak and cacti.
 Soil, rocky, 3rd rate.
 At this cor. I set off 23°19 $\frac{1}{2}$ 'N. on the decl. arc, and observe the sun on the meridian at noon; the resulting lat. is 34° 25'N.

From the cor. of secs. 21, 22, 33 and 34 on the S. bdy. of Tp recently established by me as described in Book "F", I run,
 N.0°02'W., bet. secs. 33 and 34.
 Descending through dense underbrush.

- 8.25 Drain, course E.; ascend.
- 18.00 Top of ridge, brs. SW. and NE.
- 36.85 Wash, 20 lks. wide, course E. Across flat. Leave dense underbrush.
- 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 33 on W. and S 34 on E. half; dig pits, 18x18x12 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.

Subdivision of Township 12 North, Range 1 East.

Chains.

Graveyard brs.N. 17°30'E., 29.72 chs.
 49.67 Partly constructed house brs.N.22°30'W.
 57.43 Road, brs.E.and W.
 61.88 Road, brs.NW.and SE. Ascend slowly.
 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground,
 for cor.of secs.27,28,33 and 34, marked
 T 12 N R 1 E on N.,
 S 27 on NE.,
 S 34 on SE.,
 S 33 on SW., and
 S 28 on NW. quad.; and raise a mound of stone 2 ft.
 base, 1½ ft. high,W.of cor.
 Partly built house brs.S.7°56'W.
 Land,level and mountainous.
 No timber.
 Underbrush, scrub oak.
 Soil to 36.85 chs., 3rd rate; to 61.88 chs., light sandy
 loam,2nd rate; to 80.00 chs., heavy loam, with some
 loose rocks, 2nd rate.

 Thence I run,
 East, on random line, bet. secs.27 and 34.
 40.00 Set temp. ¼ sec.cor.
 80.04 Intersect the N.and S. line, 6 lks.S.of the cor.of secs.
 34,35, 26 and 27.
 Thence I run,
 S.89°57'W. on true line, bet. secs.27 and 34.
 Ascending over broken land, through dense underbrush.
 40.02 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground,
 for ¼ sec.cor., marked ¼ S 27 on N. and S 34 on S.
 half, and raise amount of stone 2 ft. base, 1½ ft.
 high, N.of cor.
 51.00 Road, NE.and SW., across flat.
 58.50 Road, brs.NNE. and SSW.
 68.00 Ascend E.slope.
 74.00 Top of ridge, brs.N.and S. Descend.
 80.04 The cor.of secs.27,28,33 and 34.
 Land, mountainous and level.
 No timber. Underbrush, scrub oak.
 Soil, to 51.00 chs. rocky, 3rd rate; to 68.00 chs.light
 loam, 2nd rate; to 80.04 chs., rocky, 3rd rate.
 June 28, 1911.

 June 29: At 7 a.m., l.m.t., I set off 34°25'N.on the
 lat.arc; 23°18'N.on the decl.arc, and determine a mer-
 idian at the cor of secs. 27,28,33 and 34.
 Thence I run,
 N.0°02' W., bet. secs. 27 and 28.
 Ascending through dense underbrush.
 4.00 Top of ridge, brs.NE.and SW. Descend over loose rocks.
 17.00 Wash, 20 lks.wide, course NE. Ascend over loose rocks.
 24.00 Top of ridge, brs.E.and W. Descend steep rocky slope.
 33.00 Wash, 15 lks.wide, course E. Ascend steep rocky slope.
 36.50 Top of ridge, brs.E.and W. Descend steep rocky slope.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground
 for ¼ sec.cor., marked ¼ S 28 on W. and S 27 on E.
 half; and raise a mound of stone, 2 ft. base, 1½ ft.
 high,W.of cor.
 47.72 Drain, course E. Ascend steep rocky slope.
 60.00 Top of highridge, brs.E.and W. Descend steep rocky
 slope.
 76.00 Wash, 20 lks.wide, course E. Ascend steep rocky slope.
 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the

14. Subdivision of Township 12 North, Range 1 East.
Chains.

ground for cor. of secs. 21, 22, 27 and 28, marked
 T 12 N R 1 E on N.,
 S 22 on NE.,
 S 27 on SE.,
 S 28 on SW., and
 S 21 on NW. quad., and raise a mound of stone, 2
 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 No timber. Underbrush, scrub oak.
 Soil, rocky and worthless.

-
- Thence I run,
 N. 89° 57' E. on random line, bet. secs. 22 and 27.
- 40.00 Set temp. ¼ sec. cor.
 80.00 Intersect the N. and S. line 20 lks. N. of the cor. of secs.
 22, 23, 26 and 27.
- Thence I run,
 N. 89° 54' W. on true line, bet. secs. 22 and 27.
 Across flat or creek bottom in Town of Mayer, through
 dense underbrush.
- 2.72 Wire fence, brs. E. and W.
 10.55 Intersect line 1-2 Pollygon No. 2 Lode, Sur. No. 1263, at a
 point S. 54° 07' E., 2.57 chs. from Cor. No. 2.
 10.88 Road, brs. N. and S. Leave dense underbrush.
 11.86 Telephone line, brs. NW. and SE.
 12.00 House on line.
 14.47 Intersect line 1-2 Mamie No. 2 Lode, Sur. No. 1263 at a
 point S. 50° 45' W., 2.38 chs. from Cor. 2 of Pollygon
 No. 2 lode.
- 15.73 Road, brs. NW. and SE.
 15.80 House on line.
 17.02 Main street of Mayer brs. N. and S.
 Mayer & Mayer's store, brs. N. 3.50 chs. in brick build-
 ing.
 George & Kellog's butcher shop brs. N. 1.00 ch.
- 19.85 Road, brs. NE. and SW.
 20.93 Telephone line brs. NW. and SE.
 21.90 Railroad track brs. NW. and SE.
 23.35 Phone line brs. NW. and SE.
 24.94 Road, brs. NW. and SE.
 31.17 Fence brs. NW. and SE. across yard.
 32.43 Fence brs. NE. and SW. Mining Co. house brs. S. 1.25 chs.
 34.32 Road, brs. NE. and SW.
 34.79 Intersect the W. bdy. of Fair Mist Placer claim, Cor. No. 3
 bears N. 45° 20' E., 47 lks. dist.
- 36.27 Fence brs. NE. and SW.
 37.30 Heffleman's house brs. south 50 lks.
 37.76 Fence brs. NE. and SW.
 38.65 Shed on line.
 39.00 Barn on line.
 39.54 Fence brs. N. and S.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the
 ground, for ¼ sec. cor., marked ¼ S 22 on N. and S
 27 on S. half, and raise a mound of stone 2 ft. base,
 1½ ft. high, N. of cor.
 Tank brs. S. 3° 50' W., 12.00 chs. through dense under-
 brush.
- 42.25 Shack brs. S. 25 lks. Descend steep rocky NW. slope; dense
 undergrowth.
 57.00 Wash, 20 lks. wide, course NE. Ascend along steep rocky
 S. slope.
 80.00 The cor. of secs. 21, 22, 27 and 28.

Subdivision of Township 12 North, Range 1 East. 15.

Chains.

Land, mountainous.

No timber. Underbrush, scrub oak.

Soil to 40.00 chs. rocky, light soil, 3rd rate; to 80.00 chs., rocky 4th rate.

The sun was not visible at noon.

July 29, 1911.

July 4th.

Thence I run,

West, on true line, bet. secs. 21 and 28.

Ascending along steep rocky south slope, through dense underbrush.

6.00 Top of ridge, brs. E. and W. Descend steep rocky N. slope.

26.50 Drain, course N.

40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 21 on N. and S 28 on S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

67.35 Wash, 25 lks. wide, course NE. Ascend steep rocky slope.

80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked

T 12 N R 1 E on N.,

S 21 on NE.,

S 28 on SE.,

S 29 on SW., and

S 20 on NW. quad., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Underbrush, scrub oak. No timber.

Soil, rocky and worthless.

Thence I run,

N. $0^{\circ}02'W.$, bet. secs. 20 and 21.

Ascending steep rocky slope, through dense underbrush.

11.00 Top of ridge, brs. NE. and SW. Descend steep rocky slope.

28.15 Wash, 20 lks. wide, course E. Ascend steep rocky slope.

40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 20 on W. and S 21 on E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

From here north, the land is extremely mountainous, and as no farming land would be included by running north on this line, I discontinue line at this point.

Land, mountainous.

Underbrush, scrub oak. No timber.

Soil, rocky and worthless.

July 4th, 1911.

July 29, 1911.

Thence I run,

N. $0^{\circ}02'W.$, bet. secs. 21 and 22.

Ascending steep rocky slope through dense underbrush.

2.00 Top of ridge, brs. E. and W. Descend steep rocky slope.

12.00 Wash, 15 lks. wide, course E. Ascend steep rocky slope.

20.17 Top of ridge, brs. E. and W. From here,

Ed. Pentland's house brs. N. $8^{\circ}30'W.$ Mettendorf's house brs. N. $12^{\circ}00'W.$ Barn, brs. N. $11^{\circ}45'W.$ Dean's house brs. N. $9^{\circ}00'W.$ Long's house brs. N. $14^{\circ}30'E.$ Barn, brs. N. $18^{\circ}45'E.$ Brick house, brs. N. $52^{\circ}40'E.$

Smelter brs. east,

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- Descend steep rocky slope.
- 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 21 on W. and S 22 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 51.00 Wash, 20 lks. wide, course SE. Ascend steep rocky slope.
- 54.78 Ed. Pentland's house brs. N.40°00'W.
Mettendorf's house brs. N.19° 45' W.
Barn, brs. N. 19°35'W.
Dean's house brs. N.17°00'E.
Long's house brs. S.78°30'E.
Barn, brs. S.78°30'E.
Brick house, brs. S.61° 45'E.
Smelter or reduction works, brs.S.30°00'E.
- 59.74 Railroad, brs. NW.and SE.
- 60.00 Cor.No.3 of Homestead Entry, Survey No.43, brs.S.52°47' E. 3.36 chs.dist.
- 62.48 Phone line, brs. NW.and SE.
- 67.18 Road, brs.NW.and SE.
- 72.00 Big Bug Creek (dry) course SE., 300 lks.wide.
- 73.75 Irrigating ditch, course SE.
- 76.08 Road, brs. NW, and SE.
- 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground for cor.of secs.15,16,21 and 22, marked
T 12 N R 1 E on N.half;
S 15 on NE.,
S 22 on SE.,
S 21 on SW., and
S 16 on NW.quad., and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, mountainous.
No timber. Underbrush, scrub oak.
Soil, rocky, 3rd rate.

June 29th, 1911.

June 30: At 7 a.m., 1.m.t., I set off 34° 25'N. on the lat.arc; 23°15'N. on the decl.arc, and determine a meridian with the solar at the cor.of secs.15,16,21 and 22.

- Thence I run,
S.89°54'E. on random line, bet. secs.15 and 22.
- 40.00 Set stemp. $\frac{1}{4}$ sec.cor.
- 79.96 The cor.of secs.14,15,22 and 23, brs.S. 3 lks.
Thence I run,
N.89°55'W.on true line, bet. secs.15 and 22.
Ascend steep rocky slope, through dense underbrush.
- 7.00 Top of ridge, brs.N.and S. Descend steep rocky slope.
- 26.50 Wash, 20 lks.wide, course SE. Ascend steep rocky slope.
- 37.30 Top of ridge, brs. NE. and SW. Descend steep rocky slope.
- 39.98 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 15 on N., and S 22 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 43.55 Intersect the E.bdy. of Big Bug No.4, Onyx Placer claim, Survey No.1788. Cor.No.3 brs.N.46°55'W., 4.90 chs.
- 62.85 Intersect the W.bdy.of Big Bug No.9 Onyx Placer claim, Cor.No.4 brs. S.8°32'W. 6.79 chs.dist.
- 75.05 Power line, brs.SE.and NW.
- 79.96 The cor.of secs.15,16,21 and 22.
Land, mountainous.
No timber. Underbrush, scrub oak.
Soil, rocky, 3rd rate.

Chains.

Thence I run,
 West, bet. secs. 16 and 21.
 Descending through dense underbrush.

1.89 Road, brs N. and S.
 2.22 Wire fence, brs N. and S. through field; no crop.
 7.18 Wire fence, brs N. and S.
 7.90 Big Bug Creek, 250 lks. wide, course SE. (dry) Ascend.
 8.20 Drain, course SE.
 10.50 Phone line, brs. NW. and SE.
 12.10 Railroad track, brs. NW. and SE. Ascend steep rocky slope.
 21.60 Drain, course SE. Continue ascent.
 26.85 Drain, course SE. Continue ascent.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 16 on N. and S 21 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

From here, the land is mountainous, and no agricultural land would be included by continuing this line west.
 Land, mountainous.
 No timber. Underbrush, scrub oak.
 Soil to 7.90 chs., light sandy loam, 2nd rate; to 40.00 chs. rocky, 3rd rate.

From cor. of secs. 15, 16, 21 and 22, I run,
 N. $0^{\circ}02'$ W., bet. secs. 15 and 16.
 Ascending over loose rocks, through dense underbrush.

5.92 Power line, brs. NW. and SE. Across rolling mesa, over loose rocks.
 9.50 Drain, course W.
 15.74 Drain, course W.
 21.45 Drain, course W.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 16 on W. and S 15 on E. half, and build a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Along E. edge of small flat.
 40.80 Old canal used for placer mining, brs. E. and W., course E.
 50.04 Leave east edge of flat, over broken land covered with loose rocks.
 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked
 T 12 N R 1 E on N. half,
 S 10 on NE.,
 S 15 on SE.,
 S 16 on SW., and
 S 9 on NW. quad., and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling and mountainous.
 No timber.
 Underbrush, scrub oak.
 Soil to 40.00 chs., rocky, 3rd rate; to the west of line from 40.00 to 50.00 chs. light loam, 2nd rate; to east of line, rocky, 3rd rate; to 80.00 chs., rocky, 3rd rate.

At this cor. I set off $23^{\circ}13\frac{1}{2}'$ N. on the decl. arc, and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ}26'N$.

Thence I run,
 N. $0^{\circ}02'$ W. bet. secs. 9 and 10.
 Over broken, land, covered with loose rocks, through dense underbrush.

3.38 Drain, course SE. Ascend steep rocky slope.

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19.00 Top of ridge, brs. NW. and SE. Descend steep rocky slope.
31.44 Drain, course SE. Ascend steep rocky slope.
40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 9 on W., and S 10 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
55.00 Top of ridge, brs. NW. and SE. Descend steep rocky slope.
66.00 Over broken land.
71.58 Road, brs. E. and W.
71.70 Drain, course E.
75.37 Phone line, brs. E. and W.
77.25 Power line, brs. E. and W.
80.00 Set a 2 in. iron post 3 ft. long, 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10, marked
T 12 N R 1 E on N. half;
S 3 on NE.,
S 10 on SE.,
S 9 on SW., and
S 4 on NW. quad., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, mountainous.
No timber. Underbrush, dense scrub oak.
Soil, rocky, 3rd rate.

June 30, 1911.

July 2nd. At 7 a.m., l.m.t., I set off $23^{\circ}7\frac{1}{2}'N.$ on the decl. arc; $34^{\circ}26\frac{1}{2}'N.$ on the lat. arc, and determine a meridian with the solar at the cor. of secs. 3, 4, 9 and 10.

Thence I run, S. $89^{\circ}55'E.$ on random line, bet. secs. 3 and 10.

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

80.10 Intersect the N. and S. line, 10 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Thence I run, N. $89^{\circ}59'W.$ on true line, bet. secs. 3 and 10.

Descending steep rocky slope, through dense underbrush.

40.05 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 3 on N. and S 10 on S. half, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

44.00 Wash, 15 lks. wide, course S. Ascend steep rocky slope.

50.00 Top of ridge, brs. N. and S. Descend steep rocky slope.

62.00 Across S. end of flat.

71.00 Ascend steep rocky slope.

80.10 The cor. of secs. 3, 4, 9 and 10.

Land, mountainous.

No timber. Underbrush, scrub oak.

Soil, to 62.00 chs., rocky 3rd rate; to 71.00 chs. N. of line, sandy loam, 2nd rate; south of line, rocky, 3rd rate; to 80.10 chs., rocky, 3rd rate.

Thence I run, N. $0^{\circ}02'W.$, bet. secs. 3 and 4.

Along steep rocky E. slope.

14.76 Wash, 20 lks. wide, course SE. Ascend steep rocky slope.

20.77 Smokestack on shaft house, brs. N. $59^{\circ}18'W.$

38.10 Smoke stack on shaft brs. S. $75^{\circ}30'W.$

40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 4 on W., and S 3 on E. half, and raise a mound of stone, 2 ft. base,

NOTE: For corrective rates of this survey of this mile see page 1, Book C, Group 20, hereto attached.

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1 1/2 ft. high, W. of cor.
 43.10 Wash, 15 lks. wide, course W. Ascend steep rocky slope.
 70.00 Top of high hill. Descend steep precipitous slope.
 79.01 Intersect the 3rd. Standard Parallel North, 1.63 chs. east
 of the cor. of secs. 33 and 34, which is a post marked
 and witnessed as described by the Surveyor General.
 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground,
 for closing cor. bet. secs. 3 and 4, marked
 T 13 N R 1 E, S 33 S 34 on N.,
 T 12 N R 1 E, CC on S. half,
 S 3 on SE., and
 S 4 on SW. quad., and raise a mound of stone 2 ft.
 base, 1 1/2 ft. high, S. of cor.
 Land, mountainous.
 No timber. Underbrush, dense scrub oak.
 Soil, rocky, 3rd rate.
 At this cor. I set off 23°06' N. on the decl. arc, and ob-
 serve the sun on the meridian at noon; the resulting
 lat. is 34° 27 1/2' N.

NOTE: For corrective notes of the survey of this mine
 see page 2, Book C, Group 20, hereto attached.

From the cor. of secs. 20, 21, 32 and 33 on the S. bdy. of Tp.,
 recently established by me as described in Book "F", I run,
 N. 0°02' W., bet. secs. 32 and 33.
 Ascending steep rocky slope, through dense underbrush.
 6.00 Top of ridge, brs. NW. and SE. Descend along steep rocky
 NE. slope.
 15.00 Drain, course NE.
 19.00 Wash, 15 lks. wide, course SE. Ascend steep rocky slope.
 26.50 Top of ridge, brs. E. and W. Over broken land.
 35.60 Wash, 25 lks. wide, course E.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground,
 for 1/4 sec. cor., marked 1/4 S 32 on W., and S 33 on E.
 half, and raise a mound of stone, 2 ft. base, 1 1/2 ft.
 high, W. of cor.
 78.00 Wash, 35 lks. wide, course SE. Ascend steep rocky slope.
 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the
 ground, for cor. of secs. 28, 29, 32 and 33, marked
 T 12 N R 1 E on N.,
 S 28 on NE.,
 S 33 on SE.,
 S 32 on SW., and
 S 29 on NW. quad., and raise a mound of stone, 2 ft.
 base, 1 1/2 ft. high, W. of cor.
 Land, mountainous.
 No timber. Underbrush, scrub oak.
 Soil, rocky, 3rd rate.

Thence I run,
 East, on random line, bet. secs. 28 and 33.
 40.00 Set temp. 1/4 sec. cor.
 79.96 Intersect the N. and S. line, 5 lks. S. of the cor. of secs.
 27, 28, 33 and 34.
 Thence I run,
 S. 89°58' W. on true line, bet. secs. 28 and 33.
 Descend steep rocky slope, through dense underbrush.
 10.00 Over broken land.
 12.80 Wash, 15 lks. wide, course S.
 14.90 Road, brs. NE. and SW.
 24.00 Ascend steep rocky slope.
 36.00 Along steep rocky S. slope.
 39.98 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground
 for 1/4 sec. cor., marked 1/4 S 28 on N. and S 33 on S.
 half, and raise a mound of stone, 2 ft. base, 1 1/2 ft.
 high, N. of cor.
 54.00 Ridge, brs. N. and S. Along steep S. slope.

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- 66.00 Ridge, brs. N. and S. Descend steep rocky W. slope.
 67.95 Road, brs. NW. and SE.
 70.13 Enter same road, brs. NE. and W.
 70.75 Leave road, brs. NW. and E.
 75.75 Along same road, brs. NE. and W.
 78.46 Leave road, brs. E. and NW.
 79.96 The cor. of secs. 28, 29, 32 and 33.
 Land, mountainous.
 No timber.
 Underbrush, scrub oak.
 Soil, rocky, 3rd rate.

July 2nd, 1911.

July 3rd: At 7 a.m., l.m.t., I set off $23^{\circ}03'N.$ on the decl. arc; $34^{\circ}26'N.$ on the lat. arc, and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16.

Thence I run,
 West, bet. secs. 9 and 16.
 Over broken land, through underbrush.

- 6.00 Top of ridge, brs. N. and S. Descend.
 23.00 Wash, 20 lks. wide, course SW. Over rolling land.
 24.00 Power line, NW. and SE.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 9 on N. and S 16 on S. half, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Savoy's house brs. $N.47^{\circ}00'W.$
 Old house, brs. $N.39^{\circ}00'W.$
 Old house, brs. $S.25^{\circ}15'E.$
 W. H. McMichael's house brs. $S.71^{\circ}45'W.$
 Barn, brs. $S.82^{\circ}00'W.$
 Treadwell Mining Co's. warehouse brs. $S.14^{\circ}00'E.$
 Tank, brs. $S.68^{\circ}30'E.$
 Boggs' old smelter brs. south 40.00 chs. dist.
 40.48 Phone line, brs. N. and S.
 40.88 Road, brs. N. and S.
 44.41 Phone line, brs. N. and S.
 44.81 Railway track, brs. N. and S.
 46.61 Narrow guage mining railway track, brs. N. and S.
 47.04 Intersect the E. bdy. of Homestead Entry, Survey No. 42, Cor. No. 2 brs. $N.34^{\circ}45'W.$, 9.91 chs. dist. Set 1 in. iron post 3 ft. long, 26 ins. in ground, for closing cor., marked H E S No. 42 on W.,
 T 12 N R 1 E C C on E. half;
 S 9 on NE., and
 S 16 on SE. quad., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
 48.17 Narrow guage railway track, brs. N. and S.
 49.90 Road, brs. N. and S.
 51.32 Fence, brs. N. and S., across corral.
 51.72 Fence, brs. N. and S., across corral.
 52.67 Fence brs. N. and S., across corral.
 56.17 Wire fence, brs. N. and S. Descend into wash, through dense underbrush.
 57.50 Big Bug Creek, small stream of water, course S. Ascend.
 60.44 Intersect the W. bdy. of H.E. Sur. No. 42. Cor. No. 1 brs. $N.19^{\circ}30'W.$, 4.47 chs. dist. Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for closing cor. bet. secs. 9 and 16, marked
 T 12 N R 1 E C C on W.,
 H E S No. 42 on E. half,
 S 16 on SW., and
 S 9 on NW. quad., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Chains.

- From here, U. S. Mineral Monument No.3 brs.N.9°10'W., 9.41 chs.
- Note: I retrace line 1-2 of H.E.S No.42, and find it to be N.67°01'E., 10.01 chs.
- 73.90 Top of ridge, brs.N.and S. Descend steep rocky slope. Savoy's house, brs. N.26° 15'E.
Old house, brs. N.87°15'E.
Old house, brs. S.61°00'E.
McMicheal's house brs. S.79°15'E.
Barn, brs. S.84°30'E.
Warehouse, S.64°00'E.
Tank, S.85° 30'E.
- 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for cor.of secs.8, 9,16 and 17, marked
T 12 N R 1 E on N.,
S 9 on NE.,
S 16 on SE.,
S 17 on SW., and
S 8 on NW. quad., and raise a mound of stone, 2 ft. base, 1½ ft. high, W.of cor.
Land, mountainous and rolling.
No timber. Underbrush, dense scrub oak.
Soil to 23.00 chs., rocky, 3rd rate; to 80.00, medium light loam with some small stones, 2nd rate,
-
- Thence I run,
S.0°02' E., bet. secs.16 and 17.
Ascend over loose rocks, through exceptionally dense underbrush.
- 10.32 Old road, brs.NE.and SW.
- 22.00 Top of ridge, brs.NE.and SW. Descend along steep rocky E.slope.
- 26.00 Top of ridge, brs. NW.and SE. Descend steep rocky slope.
- 33.00 Wash, 20 lks.wide, course SE. Ascend steep rocky slope.
- 37.00 Pipe line, Bogg's smelter to spring in mountains, brs. E.and W.
- 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground for ¼ sec.cor., marked ¼ S 17 on W. and S 16 on E. half, and raise a mound of stone, 2 ft. base, 1½ ft. high, W.of cor.
From here, line passes over mountainous land, and no agricultural land would be included by continuing line south. Therefore, I stop line here.
Land, mountainous.
No timber. Underbrush, scrub oak.
Soil, rocky, 3rd rate.
-
- From cor. of secs.8, 9, 16 and 17, I run,
N.0°02'W., bet. secs.8 and 9.
Over broken and mountainous land, through exceptionally dense underbrush.
- 9.30 Drain, course E.
- 12.00 Grapevine Wash, course E., 100 lks.wide; small stream of water.
- 15.60 Old road, brs. NW.and SE.
- 28.75 Wash, 20 lks.wide, course SE.
- 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for ¼ sec.cor., marked ¼ S 8 on W. and S 9 on E.half, and raise a mound of stone 2 ft. base, 1½ ft. high, W.of cor.
- 53.00 Descend steep slope into Big Bug Creek, course SE. Along Creek bottom.
- 65.00 Leave creek bottom, 100 lks.wide, course S. Ascend.
- 78.14 Railroad track, brs. N.24°35'W. and S.24°35'E.
- 80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground,

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for cor. of secs. 4, 5, 8 and 9, marked
 T 12 N R 1 E on N.,
 S 4 on NE.,
 S 9 on SE.,
 S 8 on SW., and
 S 5 on NW. quad., and raise a mound of stone, 2 ft.
 base, $1\frac{1}{2}$ ft. high W. of cor.

Land, mountainous.

No timber. Underbrush, scrub oak.

Soil, rocky, 3rd rate.

At this cor. I set off $23^{\circ} 01\frac{1}{2}' N.$ on the decl. arc, and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 26\frac{1}{2}' N.$

-
- Thence I run,
 East, on random line, bet. secs. 4 and 9.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect the N. and S. line 5 lks. S. of the cor. of secs.
 3, 4, 9 and 10.
- Thence I run,
 $S. 89^{\circ} 58' W.$ on true line, bet. secs. 4 and 9.
 Ascending along steep rocky slope, through dense under-
 brush.
- 3.00 Along steep rocky S. slope,
- 6.10 Power line, brs. NW. and SE.
- 10.54 Phone line, brs. NW. and SE.
- 12.00 Wash, 20 lks. wide, course SE. Ascend steep rocky slope.
- 13.36 Intersect the E. bdy. of Daily lode claim. Cor. No. 3
 brs. $S. 15^{\circ} 25' W.$, 2.90 chs. Survey No. 1633.
- 14.49 House, brs. $N. 4^{\circ} 30' W.$
 House, brs. $N. 12^{\circ} 30' W.$
 Engine house brs. $N. 60^{\circ} 00' W.$
 Blacksmith's shop brs. $N. 67^{\circ} 00' W.$
 Bunk house brs. $N. 65^{\circ} 30' W.$
 House brs. $N. 71^{\circ} 30' W.$
 House brs. $N. 73^{\circ} 00' W.$
 House brs. $N. 75^{\circ} 00' W.$
 House brs. $N. 77^{\circ} 45' W.$
 Along rocky N. slope.
- 37.96 House brs. $N. 58^{\circ} 00' E.$
 House brs. $N. 66^{\circ} 30' E.$
 Engine house brs. $N. 25^{\circ} 00' E.$
 Blacksmith shop brs. $N. 10^{\circ} 00' E.$
 Bunk house brs. $N. 47^{\circ} 00' W.$
 House brs. $N. 43^{\circ} 30' W.$
 House brs. $N. 55^{\circ} 00' W.$
 House brs. $N. 55^{\circ} 00' W.$
 House brs. $N. 55^{\circ} 00' W.$
 Mine is not working; everything in poor condition.
- 40.02 Set a 1 in. iron post, 3 ft. long, 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 4 on N., and S 9
 on S. half, and raise a mound of stone 2 ft base, $1\frac{1}{2}$
 ft high, N. of cor.
- Across flat. Leave underbrush, brs. N. and S.
- 41.63 Intersect the west bdy. of Demond lode claim. Cor. No.
 4 brs. $N. 19^{\circ} 44' E.$, 177 lks. dist., Survey No. 1633.
- 52.00 Wash, 20 lks. wide, course SE.
- 54.21 Power line, brs. NW. and SE. Ascend over loose rocks.
- 55.05 Narrow gauge railway track, brs. NE. and SW.
- 56.36 Phone line brs. NW. and SE.
- 56.95 Road, brs. NW. and SE.
- 67.00 Top of ridge, brs. NW. and SE. Descend steep rocky
 slope.
- 80.04 The cor. of secs. 4, 5, 8 and 9.
 Land, mountainous and level.
 No timber. Underbrush, scrub oak.

Chains.

Soil, to 40.00 chs., rocky, 3rd rate; to 54.00 chs., sandy loam, 2nd rate; to 80.04 chs., 3rd rate, rocky.

- Thence I run,
N.0°02'W., bet. secs.4 and 5.
Ascending along W.slope, through dense underbrush,
- 16.00 Across rolling flat.
38.85 Phone line, brs. NW. and SE.
38.90 Phone line, brs. NW. and SE.
39.51 Road, brs. NW. and SE.
40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 5 on W. and S 4 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 43.26 Power line, brs. NW. and SE.
Leave dense underbrush, brs. E. and W., across open.
43.60 Road, brs. NW. and SE.
46.72 Drain, course SE.
59.37 Power line brs. WNW. and ESE. Sub-station brs. NW., 9.00 chs.
- 60.25 Power line brs. WNW. and ESE.
67.43 Ascend through dense underbrush, brs. E. and W.
79.00 Intersect the 3rd Standard Parallel North, 1.93 chs. E. of the cor. of secs. 32 and 33, which is a post marked and witnessed as described by the Surveyor General.
Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for closing cor. bet. secs. 4 and 5, marked
T 13 N. R 1 E, S 32, S 33 on N.,
T 12 N, R 1 E on S. half,
S 4 on SE., and
S 5 on SW. quad., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
- Land, mountainous and rolling.
No timber. Underbrush, scrub oak.
Soil, to 16.00 chs., rocky, 3rd rate; to 67.43 chs., sandy and gravelly loam, 2nd rate; to 79.00 chs., rocky, 3rd rate.

July 3rd, 1911.

- July 4th. At 7 a.m., 1.m.t., I set off $34^{\circ} 26\frac{1}{2}'$ N. on the lat. arc; $22^{\circ} 58\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 4, 5, 8 and 9.
- Thence I run,
West, bet. secs. 5 and 8.
Over mountainous land, through dense underbrush.
- 0.79 Railroad track, brs. N. $23^{\circ} 37'$ W., and SE.
5.00 Arroyo, course SW.
10.00 Big Bug Creek, course S. 150 lks. wide, dry. Ascend steep rocky SE. slope.
34.00 Drain, course SE.
40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 5 on N. and S 8 on S. half, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 42.00 Along steep rocky S. slope.
56.00 Drain, course S.
61.07 Intersect the E. bdy. of Butternut Lode claim; Cor. No. 2, brs. N. $34^{\circ} 30'$ E., 5.05 chs., Survey No. 1434.
65.00 Drain, course S.
71.98 Shaft brs. S. $58^{\circ} 30'$ E., 3.00 chs.
Mess house brs. S. $36^{\circ} 00'$ E., 3.25 chs.
72.10 Intersect the W. bdy. of Butternut Lode claim, Cor. No. 1 brs. N. $34^{\circ} 30'$ E., 11.30 chs.
80.00 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked

NOTE: For corrective notes of survey of this mile see page 4, Book "C" Group 20, hereto attached.

24. Subdivision of Township 12 North, Range 1 East.

Chains.

T 12 N R 1 E on N.,
S 5 on NE.,
S 8 on SE.,
S 7 on SW., and
S 6 on NW., and raise a mound of stone, 2 ft. base,
1 1/2 ft. high, W. of cor.

Land, mountainous.
No timber. Underbrush, scrub oak.
Soil, rocky, 3rd rate.

Thence I run,
N. 0° 03' W., bet. secs. 5 and 6.
Along steep rocky W. slope, through dense underbrush.
22.00 Wash, 15 lks. wide, course NE. Along steep rocky E. slope.

24.50 Drain, course NE.

38.85 Hill's house brs. N. 11° 30' W.

Hill's barn brs. N. 14° 30' W.

Whittaker's barn, brs. N. 2° 25' W.

Whittaker's barn, brs. N. 1° 15' E.

Whittaker's house brs. N. 4° 30' E.

Descend steep rocky slope.

40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground,
for 1/4 sec. cor., marked 1/4 S 6 on W. and S 5 on E. half,
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.

58.40 Wire fence, brs. E. and W.

62.00 Big Bug Creek (dry) 100 lks. wide, course SE.

62.76 Intersect the S. bdy. of Homestead Entry, Survey No. 62.

Cor. No. 6 bears N. 41° 02' W., 5.07 chs. dist. Set a 1 in.
iron post, 3 ft. long, 26 ins. in the ground, for
closing cor. bet. secs. 5 and 6, marked

H E S No. 62 on N.,
T 12 N R 1 E CC on S. half;

S 5 on SE., and

S 6 on SW. quad., from which,

A walnut, 5 ins. dia., brs. S. 10° E., 155 lks. dist.,
marked C C T 12 N R 1 E S 5 B T.

A walnut 5 ins. diam., brs. S. 75° 30' W., 173 lks. dist.,
marked C C T 12 N R 1 E S 6 B T.

63.21 Wire fence brs. E. and W.

68.80 Wire fence brs. E. and W.

69.10 Road, brs. E. and W.

71.69 Intersect the N. bdy. of Homestead Entry Survey No. 62.

Cor. No. 1 brs. N. 78° 42' W., 680 lks. dist. Set a 1 in. iron
post, 3 ft. long, 26 ins. in the ground, for closing
cor. bet. secs. 5 and 6, marked

C C T 12 N R 1 E on N.,

H E S No. 62 on S. half,

S 5 on NE., and

S 6 on NW. quad., and raise a mound of stone 2 ft.
base, 1 1/2 ft. high, N. of cor.

Note: I re-chain the dist. from Cor. 1 to 7 of H. E. S.
No. 62. I find it to be 6.32 chs.

From here,

Hill's house brs. S. 40° 00' W.

Hill's barn brs. S. 48° 00' W.

Whittaker's barn brs. S. 52° 00' W.

Whittaker's barn brs. S. 40° 00' E.

Whittaker's house brs. S. 64° 30' E.

73.03 Irrigating ditch, course E.

75.54 Poland branch of the P. and E. Ry. track, brs. NW. and SE.

76.04 Phone line, brs. NW. and SE.

76.54 Phone line, brs. NW. and SE.

78.78 Intersect the 3rd. Standard Parallel North, 2.21 chs.
E. of the Stand. cor. of secs. 31 and 32, which is a
post marked and witnessed as described by the
Surveyor General.

Note: For corrective notes of survey of this mile see page 4, Book C, Group 20, hereto attached.

Subdivision of Township 12 North, Range 1 East. 25.

Chains.

Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for closing cor. bet. secs. 5 and 6, marked
 T 13 N R 1 E, S 31 S 32 on N.,
 T 12 N R 1 E CC on S. half,
 S 5 on SE., and
 S 6 on SW. quad., and raise a mound of stone, 2 ft. base, 1½ high, S. of cor.
 Land, mountainous and rolling.
 Timber, ash and walnut along Big Bug Creek.
 Underbrush, scrub oak,
 Soil to 58.40 chs., rocky, 3rd rate, to 78.78 chs. medium sandy and gravelly loam, 2nd rate.
 At this cor. I set off 22° 56½' N. on the decl. arc, and observe the sun on the meridian at noon; the resulting lat. is 34° 27½' N.

Thence I run,
 West, bet. secs. 6 and 7.
 Descending over loose rocks, through dense underbrush.
 6.00 Along rocky S. slope.
 20.00 Ascend steep rocky slope of high ridge.
 40.00 Set a 1 in. iron post, 3 ft. long, 26 ins. in the ground, for ¼ sec. cor., marked ¼ S 6 on N., and S 7 on S. half, and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
 43.75 Top of high ridge, brs. NE. and SW. Descend steep rocky slope.
 49.00 Canyon, course N. Ascend steep rocky slope.
 70.75 Top of high ridge, brs. N. and S. Descend steep rocky slope.
 80.03 Intersect the Principal Meridian 11.27 chs. S. of the ¼ sec. cor. on E. bdy. of secs. 24 of T. 12½ N., R. 1 W. which is a stone, marked and witnessed as described by the Surveyor General.
 Set a 2 in. iron post, 3 ft. long, 24 ins. in the ground, for closing cor. bet. secs. 6 and 7, marked
 T 12 N R 1 E, C C on E.,
 S 24 S 25 R 1 W on W. half,
 S 6 on NE., and
 S 7 on SE. quad., and raised a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
 Land, mountainous.
 No timber. Underbrush, scrub oak.
 Soil, rocky and worthless.

July 4th, 1911.

GENERAL DESCRIPTION.

Township 12ⁿ N., R. 1 E. is mostly mountainous, with some agricultural land along the Big Bug Creek, Agua Fria River, and some of the dry washes. There is not enough water in the Big Bug Creek to do much irrigating, but an underground supply could probably be found close to the surface. The Town of Mayer gets its water from a spring back in the mountains.
 There is a great deal of mining property in this township, but not much work being done, except a little placering along the Big Bug, and in some of the other washes. The township is covered with an exceptionally dense growth of scrub oak underbrush.

Bred W. Rodolf
 U. S. Surveyor.

See note on opposite page.

NOTE: For corrective notes of this mile see page 5, Book C, Group 20, hereto attached.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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LIST OF NAMES.

BOOK 2356

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

....., 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 subdivision of T.12 N., R.1 E.

showing the respective capacities in which they acted:

- Theodore Secor , *Chainman.*
- H. N. Bradstreet , *Chainman.*
- Oliver Nefzinger , *Moundman.*
- , *Moundman.*
- Harry B. Marshall , *Axman.*
- , *Axman.*
- L. E. Flanagan , *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Fred W. Rodolf

....., United States ~~Deputy~~ Surveyor, in surveying all those parts or portions of the subdivision of Tt. 12 N., R.1 E.

..... of the Gila and Salt River Base & 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

- Theodore Secor* , *Chainman.*
- H. N. Bradstreet* , *Chainman.*
- O. Nefzinger* , *Moundman.*
- , *Moundman.*
- H. B. Marshall* , *Axman.*
- , *Axman.*
- L. E. Flanagan* , *Flagman.*

Subscribed and sworn to before me this 5th day of July, 19 11

Fred W. Rodolf
.....
U. S. Surveyor



12327

BOOK 2356

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Fred W. Rodolf, United States Deputy Surveyor, do solemnly swear that, under instructions received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 19th day of May, 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 Subdivision of T. 12 N., R. 1 E.

of the Gila and Salt River Base & 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 31 day of May, 1912

[Signature]
District Engineer



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. June 12, 1912

The foregoing field notes of the survey of the Inauguratory Subdivision of T. 12 N., R. 1 E. of the Gila and Salt River Meridian, Arizona

executed by Fred W. Rodolf under his contract No. 11, dated May 19, 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 [blank], has been correctly copied from the original notes on file in this office.

United States Surveyor General.

Book C.

BOOK 2356

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FIELD NOTES

Corrective
OF THE SURVEY OF ~~THE~~
PART OF THE

Subdivision Lines of T12 N. R1 E.
originally surveyed by J. W. Redelf under Sp. 11

Of the Grand Salt River Base and Meridian,
In the State of Arizona

EXECUTED BY

Sidney E. Stout

In the capacity of U. S. Surveyor, under instructions dated Oct. 9, 1912,
issued by the United States Surveyor General to govern surveys included in
Group No. 70, which were approved by the Commissioner of the General Land
Office, Oct. 17, 1912, pursuant to authority contained in the Act of
Congress dated August 23, 1912

Survey commenced March 5, 1913

Survey completed June 21, 1913

BOOK 2356

INDEX DIAGRAM.

Township 12 N, Range 18 E

6	4	5	4	4	2	3	3	2	1
5					1		3		
7	8	9	10	11	12				
18	17	16	15	14	13				
19	20	21	22	23	24				
30	29	28	27	26	25				
31	32	33	34	35	36				

Chains. Survey commenced March 5, 1913., and executed with a Young and Sons light mountain transit No. 10, with a Smith solar attachment. The horizontal limb, being provided with 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. I examine the adjustments of the transit and find them correct, and from recent tests of the solar apparatus, by comparing the results of observations on the sun, made during a.m., and p.m. hours, with a meridian determined by observations on Polaris. I know that the instrument is in satisfactory adjustment.

I begin at the cor. of secs. 3, 4, 9, and 10., which is an iron post 2 ins. in diam., set in a mound of stone, marked on brass cap T12N., R1E. in N. half., S4 in NW., S3 in NE., S10 in SE., and S9 in SW. quadrant, with a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.; latitude 34° 26' 44" N., longitude 112° 15' 12" W.

Note: All measurements were made with a 5.00 chain steel tape, with clinometer for determining slope angles.

At 8^h 12^m a.m., l.m.t., I set off 34° 26 1/2' N. on the lat. arc, 6° 05' S. on the decl. arc and determine a meridian with the solar at the above described cor.

Thence I run,

40.20 East, on a random line, bet. secs. 3 and 10, intersect the 1/4 sec. cor., which is an iron post 1 in. in diam. 16 ins. above ground, loosely set, marked on brass cap 1/4 S 3 in N. half and S 10 in S. half., with a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. I continue my ^{random} line, east,

80.00 I make a diligent search for the cor. of secs. 2, 3, 10, and 11. which I fail to find., therefore I set temp. point for cor. of secs. 2, 3, 10, and 11.

From temp. point for cor. of secs. 2, 3, 10, and 11,

I run,

40.00 East, on a random line, bet. secs. 2 and 11.

I make a diligent search for the 1/4 sec. cor., which I am unable to find., therefore I continue my line East and at

80.28 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 1, 2, 11, and 12., which is an iron post 2 ins. in diam.; 12 ins. above ground, firmly set, marked on brass cap, T12N., R1E. in N. half S2 in NW., S1 in NE., S12 in SE., and S11 in SW. quadrant., with a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

True Course ^{and dist.} of line back to the cor. of secs. 3, 4, 9, and 10, is therefore N 89° 57' W, 160.28 chs.

I return to the temp. point set by me for cor. of secs. 2, 3, 10, and 11. and again make a very careful search for the cor. of secs. 2, 3, 10, and 11. and, being unable to find any evidence of a corner, at a point 14 lks. E. and 7 lks. S. of temp. point for cor. of secs. 2, 3, 10, and 11., Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for ^{rest} cor. of secs. 2, 3, 10, and 11., marked on brass cap ¹⁹¹³ T12N., R1E. in N. half. S3 in NW., S2 in NE., S11 in SE. and S10 in SW. quadrant.

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

Thence I run,

N. 89° 57' W, on a true line, bet. secs. 3 and 10,

Ascend NE. slope over stony mountainous land, through dense oak brush 3 ft. high.

1.50 Top of spur bears NW. and SE. desc. steep SW. slope.

16.40 Foot of abrupt descent in dry sand wash 15 lks. wide course SW., Leave mountainous land bears NW. and SE., enter hilly land.

39.94 Fall ~~83~~ 1/2 lks. S. of the 1/4 sec. cor., ~~precisely~~ ^{as} described., I destroy all evidence of this cor.

40.07 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the

NOTE: For notes of original survey of this mile, see page 18, Book G, Group 11, hereto attached.

NOTE: For notes of orig. survey this mile see page 7, book G, Grp. 11, hereto attached.

NOTE: For notes of original survey of this mile see page 18, Book G, Group 11, hereto attached.

Corrective Survey of partial Subdivision of T. 12 N., R. 1 E.

NOTE: For notes of original survey of this mile see page 18, Book "G", Group II, hereto attached

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Chains. ground, for ^{REESTAB.} ~~1/2~~ sec. cor., marked on brass cap ⁽¹⁹¹³⁾ 1/4 S 3 in N. half and S 10 in S. half.

- Raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
- Pits impracticable.
- 44.80 Dry ravine 10 lks. wide course south ascend.
- 51.35 Top of ridge bears N. and S. desc.
- 63.60 Dry ravine 10 lks. wide course S 30° E. asc.
- 70.15 Dry ravine 15 lks. wide 4 ft. deep course south ascend gradually.

80.14 The cor. of secs. 3, 4, 9, and 10, described in Book "G" Group II, hereto attached. E. 16 chs. high mountainous land; soil stony, worthless for agricultural purposes. W. 64 chs. hilly; soil gravelly loam on clay and shale subsoil. dense growth oak and greasewood brush. No timber.
 Note: Clouds obscure the sun, at noon today, rendering an observation for latitude impossible.

At 1:30^m p.m. I set off 34° 26' N. on the lat. arc, 69° 00' 1/2' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 3, 4, 9, and 10, described in Book "G" Group II, hereto attached. Thence I run, on true line, N. 0° 02' W., bet. secs. 3 and 4, Over rolling stony land, through oak and greasewood brush undergrowth 3 to 5 ft. high.

- 14.70 Dry sand wash 25 lks. wide course SE. ascend over SW. slope of ridge.
- 37.50 Top of ridge, bears NE. and SW. descend NW. slope.
- 39.98 Intersect the 1/4 sec. cor., which is an iron post 1 in. in diam 18 ins. above ground, loosely set, marked on brass cap 1/4 S 4 in W. half and S 3 in E. half, with a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor., I destroy this cor. and at
- 40.00 Set the same post, 26 ins. in the ground, for ^{REESTAB.} ~~1/2~~ sec. cor., marked on brass cap ⁽¹⁹¹³⁾ 1/4 S 4 in W. half and S 3 in E. half and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
- 42.28 Dry ravine 15 lks. wide course SW. Leave rolling land bears E. and W., Enter mountainous land, ascend steep S. slope of mountain.
- 70.50 Summit of mountain ridge bears E. and W.; Set temp. point.

Note: The resurvey of the 3 rd. Standard Parallel North, through R. 1 E. not being finished at the present time I discontinue the survey of this line at the temp. point on this day.
 March 5, 1913.

March 8¹⁹¹³: At 10^h 12^m a.m., I set off 34° 27' N. on the lat. arc, 4° 54' S. on the decl. arc, and determine a meridian with the solar at the temp. point, 70.50 chs. N. 0° 02' W. of the ^{REESTAB.} cor. of secs. 3, 4, 9, and 10, which I set Mar. 5¹⁹¹³. Thence I continue my ^{TRUE} line N. 0° 02' W., bet. secs. 3 and 4, Descend steep N. slope of mountain.

- 78.50 Intersect the 3 rd. Standard Parallel North, 127 lks. East of the Standard cor. of secs. 33 and 34. T13N., R1E., which I ^{REESTAB.} established this day, as described in Book "A", Group 20, Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for ^{REESTAB.} closing cor. of secs. 3 and 4, marked on brass cap ⁽¹⁹¹³⁾ CC. S. of center. T13N., R1E., S33, S34 in N. half. S3 in SE. and S4 in SW. quadrant. Raise a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor. Pits impracticable.
- S. 420⁰ chs. rolling land, S. slope; gravelly loam 2 to 8 ins. deep on clay and gravel subsoil, considerable growth oak and greasewood brush 4 ft. high. N. 36.50 chs. mountainous; soil stony and practically worthless. No timber.

March 8, 1913.

Corrective Survey of partial Subdivision of T 12 N., R 1 E.

Chains March 6¹⁹¹³ At 8^h 41^m a.m., l.m.t. I set off 34°26' N. on the lat. arc, 5941¹/₂' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 11, and 12, described in Book G, Group 11, hereto attached, thence I run N 89°57' W. on a true line, bet. secs. 2 and 11. Descend W. slope of spur over stony mountainous land, through dense oak brush 6 ft. high.

.95 Dry ravine 10 lks. wide course north, ascend abruptly.
 13.25 Top of abrupt ascent, thence over steep N. slope of mountain.
 24.80 Spur bears NE. and SW. desc. abruptly.
 28.00 Dry ravine 15 lks. wide course north ascend.
 30.40 Point of spur bears N. and S. desc.
 32.10 Dry ravine 10 lks. wide course NE. ascend abruptly.
 38.20 Top of spur bears NE. and SW. desc.
 40.00 I again make a diligent search for the 1/4 sec. cor., which I fail to find.
 40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ^{REESTAB.} 1/4 sec. cor., marked on brass cap ¹⁹¹³ 1/4 S 2 in N. half and S 11 in S. half. Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
 44.30 Dry ravine 10 lks. wide course NE. ascend abruptly.
 49.55 Top of spur bears N. and S. desc.
 55.00 Dry ravine 15 lks. wide course NE. asc.
 63.20 Top of spur bears NE. and SW. descend abruptly.
 70.40 Dry ravine 10 lks. wide course NE. ascend abruptly.
 80.14 The cor. of secs. 2, 3, 10, and 11, reestablished by me Mar 5¹⁹¹³ as ^{hereinbefore described.} Land mountainous; spurs with light poor stony clay soil slopes abrupt, covered with dense oak brush, very little bunch grass. No timber.
 Note: At this cor. I set off 5°39' S. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of 34°26' N. on the lat. arc.

March 6¹⁹¹³ At 2^h 11^m p.m., l.m.t., I set off 34°26' N. on the lat. arc, 5937' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 2, 3, 10, and 11, above mentioned. Thence I run, on true line, N. 0°01' W. bet. secs. 2 and 3. Descend abrupt rocky NE. slope of mountain over spurs and ravines., through oak brush undergrowth 4 ft. high.

34.75 Foot of descent in dry ravine 20 lks. wide course N 70° E. asc.
 40.00 The 1/4 sec. cor. which is described as an iron post, with a mound of stone can not be found after diligent search. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ^{REESTAB.} 1/4 sec. cor., marked on brass cap ¹⁹¹³ 1/4 S 3 in W. half and S 2 in E. half. Raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
 46.20 Top of spur bears NW. and SE. desc.
 48.10 Dry ravine 10 lks. wide course E. asc.
 51.90 Top of spur bears E. and W. desc.
 54.20 Dry ravine 15 lks. wide course S 70° E. asc.
 59.85 Top of spur bears E. and W. desc.
 63.00 Dry ravine 15 lks. wide course east ascend abruptly.
 68.10 Top of spur bears E. and W. desc.
 73.30 Dry ravine 15 lks. wide course east.
 75.00 Set temp. point.
 The 3 rd. standard Parallel North not having been resurveyed through R1E. at the present time I discontinue the survey of this line at the above point.

March 6, 1913.

March 7¹⁹¹³ At 4^h 11^m p.m., l.m.t. I set off 34°26' N. on the lat. arc, 5911' S. on the decl. arc, and determine a meridian with the solar at the temp. point set by me Mar 6¹⁹¹³ 75.00 chs. N. 0°01' W. of the ^{REESTAB.} cor. of secs. 2, 3, 10, and 11., Thence I continue my ^{TRUE} line N. 0°01' W. bet. secs. 2 and 3.
 78.66 Intersect the 3 rd. Standard Parallel North, 146 lks. East

NOTE: For notes of original survey of this mile see page 7 of Book G, Group 11, hereto attached.

NOTE: For original notes of survey of this mile see page 8 of Book G, Group 11, hereto attached.

Corrective Survey of partial Subdivision of T 12 N., R 1 E.

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Chains. of the standard cor. of secs. 34 and 35. T13N., R1E., REESTAB. BY ME THIS DAY AS DESCRIBED IN BOOK 'A' GROUP 20
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 2 and 3., marked on brass cap CC.S. of center. T13N., R1E., S34., S35 in N. half. S2 in SE., and S3 in SW. quadrant.
 Raise a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.
 Pits impracticable.
 Land mountainous.; spurs with abrupt slopes covered with heavy growth oak brush. soil light poor stony loam 4 to 8 ins. deep. No timber.

March 7, 1913.

March 8, 1913; At 11^h 11^m p.m., l.m.t. I set off 34°26' N. on the lat. arc, 4947 1/2' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 4, 5, 8, and 9., which is an iron post 2 ins. in diam. 14 ins. above ground, firmly set, marked on brass cap T12N., R1E. in N. half S5 in NW., S4 in NE., S9 in SE., and S8 in SW. quadrant., with a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Thence I run, on true line, N. 0°02' W., bet. secs. 4 and 5, Ascend SW. slope, over hilly land through oak brush 3 ft. high
 14.00 Top of ridge, bears NW. and SE., thence over rolling land, slopes to the NE.

38.85 Telephone line, bears N. 40°W. and S. 40°E. Another telephone line, bears N30°W. and S. 30°E., lines cross at this point.

39.70 Road from Mayer to Humboldt, Arizona, bears N. 20°W. and S. 20°E.

40.00 Fall 1/2 lks. W. of the 1/4 sec. cor., which is an iron post 1 in. in diam. 14 ins. above ground, firmly set, marked on brass cap 1/4 S 5 in W. half and S 4 in E. half, with a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. I destroy this cor. and set the same post on line, 26 ins. in the ground for REESTAB. 1/4 sec. cor., marked on brass 1/4 S 5 in W. half and S 4 in E. half.; Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.

43.21 Fossil Creek electric power line bears N 40°W. and S 40°E

46.70 Dry ravine 8 lks. wide 3 ft. deep course SE. ascend gradually over SE. slope.

59.43 Electric power transmission line bears N 60°E. and S 60°W.

60.33 Electric power transmission line bears N 60°W. and S 60°E.

78.68 Intersect the 3 rd. Standard Parallel North, 112 lks. East of the standard cor. of secs. 32 and 33. T13N., R1E., which I established this day, as described in Book 'A' Group 20

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 4 and 5., marked on brass cap CC.S. of center. T13N., R1E., S32., S33 in N. half. S4 in SE. and S5 in SW. quadrant.

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

Land high, rolling mountains.; soil dark sandy and adobe clay loam 6 to 10 ins. deep on clay subsoil., light growth of bunch grass. No timber.

March 8, 1913.

March 9, 1913; At 2^h 11^m p.m., l.m.t. I set off 34°26' N. on the lat. arc, 4950' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 5, 6, 7, and 8., which is an iron post 2 ins. in diam. 12 ins. above ground, firmly set, marked on brass cap T12N., R1E. in N. half. S6 in NW., S5 in NE., S8 in SE., and S7 in SW. quadrant., with a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Thence I run, on true line, N. 0°03' W., bet. secs. 5 and 6,

Ascend along W. slope of ridge, over hilly land, through dense oak brush undergrowth 4 ft. high.

17.00 Top of ridge bears NW. and SE. desc NW. slope.

22.20 Dry ravine 15 lks. wide course NE. asc. spur.

NOTE: For original notes of survey of this mile see page 23, Book "G," Group 11, hereto attached

Chains.

- 35.00 Top of spur bears NE. and SW. desc.
- 39.98 Fall ~~12~~ lks. W. of the $\frac{1}{4}$ sec. cor., which is an iron post 1 in. in diam. 16 ins. above ground, loosely set, marked on brass cap $\frac{1}{4}$ S 6 in W. half and S 5 in E. half. No cor. accessories I destroy this cor. and at
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ~~the~~ ^{REESTAB.} sec. cor., marked on brass cap ¹⁹³¹ $\frac{1}{4}$ S 6 in W. half and S 5 in E. half.
- 40.00 Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- 41.44 Dry ravine, 5 lks wide 6 ft. deep course NE.
- 58.45 Wire fence bears E. and W. Enter oak and walnut timber.
- 62.25 Foot of descent in Big Bug Creek 75 lks. wide, water clear 4 ins. deep on gravelly bottom. course S 45° E.
- 62.87 Intersect the closing cor. of secs. 5 and 6 on S. bdry. of Homestead Entry No. 62, which is an iron post 1 in. in diam. 24 ins. above ground, set in a mound of stone, marked on brass cap CC. S. of center. P.C. H.E.S. 62 in N. half. T12N., R1E. in S. half. S5 in SE. and S 6 in SW. quadrant., from which
 - A walnut 5 ins. in diam. bears S. 10° E. 156 lks. dist., marked CC. T12N., R1E. S5 BT. and
 - A walnut 5 ins. in diam. bears S 75° W. 173 lks. dist., marked CC. T12N., R1E. S6 BT.
- Note: From closing cor. cor. No. 6 of Homestead Entry No. 62 bears N 40° 47' W. 5.09 chs. dist.
- 63.39 Wire fence bears N 66° W. and S 66° E.
- 68.88 Wire fence bears N 70° W. and S 70° E. Leave timber bears E&W.
- 69.20 Road from Poland to Mayer Arizona bears N 70° W. and S 70° E.
- 71.78 Intersect the closing cor. of secs. 5 and 6. on N. bdry. of Homestead Entry, Survey No. 62, which is an iron post 1 in. in diam. 12 ins. above ground, firmly set, marked on brass cap CC. N. of center, T12N., R1E. in N. half., H.E.S. No. 62 in S. half S6 in NW. and S5 in NE. quadrant., with mound of stone 2 ft. base N. of cor.
- Note: From closing cor. Cor. No. 1 of H.E.S. No. 62 bears N 78° 42' W., 6.80 chs. dist.
- 73.15 Irrigating ditch 5 lks. wide course NE.
- 75.56 Center of Poland branch of the P&E. RR. bears NW. and SE.
- 76.06 Western Union Telegraph line from Poland to Prescott Ariz. bears NW. and SE.
- 76.62 Telephone line from Poland Arizona to Huron Arizona bears NW. and SE.
- 78.71 Intersect the 3 rd. Standard Parallel North, 128 lks. East of the standard cor. of secs. 31 and 32. T13N., R1E., which I ^{re} established this day, as described in Book "A" Group 20, Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for ~~the~~ ^{REESTAB.} closing cor. of secs. 5 and 6., marked on brass cap ¹⁹¹³ CC. S. of center. T 13 N., R1E. S. 31., S32 in N. half. S5 in SE. and S6 in SW. quadrant. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor. Pits impracticable. Land rolling and hilly; ridges with light poor stony clay loam, washed on slopes stony; bottom land along Big Bug creek rich dark sandy loam on gravel sub soil, dense growth oak and greasewood brush on the hilly portion of the line. Timber scattering oak and walnut along the Big Bug creek.

March 8, 1913.

June 21. 1913. At 7^h 01^m a.m., l.m.t. I set off 34° 26 $\frac{1}{2}$ ' N. on the lat. arc, 23° 28' N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 5, 6, 7, and 8. previously described, in Book "G", Group 11, hereto attached. Thence I run, on true line, West, bet. secs. 6 and 7, Descend SW. slope, over stony hilly land, through dense oak brush undergrowth, 4 ft. high.

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--- NOTE: For original notes of the survey of this mile see page 24, Book "G", Group 11, hereto attached ---

- 35 Chains.
- 7.00 Dry ravine, 15 lks. wide, 10 ft. deep, course SE.
- 28.00 Dry ravine, 10 lks. wide, course SE., leave hilly land, ascend abrupt rocky SE. slope, over mountainous land.
- 39.63 Fall 52 lks. N. of the $\frac{1}{4}$ sec. cor., which is an iron post 1 in. in diam. 18 ins. above ground, loosely set, marked on brass cap $\frac{1}{4}$ S. 6 in N. half and S. 7 in S. half., with a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.
- I destroy all evidence of this cor. and at
- 40.00 Set the same iron post, 26 ins. in the ground for ^{REESTAB.} ~~1/4~~ sec. cor. marked on brass cap ¹⁹³¹ $\frac{1}{4}$ S 6 in N. half and S. 7 in S. half. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
- 44.20 Top of spur, bears NE. and SW. desc. NW. slope.
- 53.20 Dry ravine, 10 lks. wide, course NE., asc.
- 73.50 Summit of mountain ridge, bears SE. and NW. descend along S. slope.
- 78.25 Begin abrupt descent into dry ravine.
- 81.35 Fall 50 lks. N. of the closing cor. of secs. 6 and 7. set by U.S. Surveyor F.W. Rodolf., which is an iron post 2 ins. in diam. set loosely in a mound of stone, marked on brass cap CC.W. of center T12 $\frac{1}{2}$ N. R1W. S24. S25 in W. half. T12N. S6 in NE. and R1E. S7 in SE. quadrant, with mound of stone 2 ft. base $1\frac{1}{2}$ ft. high E. of cor.
- I destroy all evidence of this cor.
- 88.70 Foot of descent in head of dry ravine course SW. asc. abrupt E. slope.
- 93.55 Top of ridge bears N. and S., desc. abrupt W. slope.
- 94.90 Intersect the Gila and Salt River Meridian 13.771 chs. N. of the $\frac{1}{4}$ sec. cor. on E. bdy. sec. 25 T12 $\frac{1}{2}$ N. R1W. ^{REESTAB. BY ME YESTERDAY} ~~1/4~~ sec. cor. on E. bdy. sec. 25 T12 $\frac{1}{2}$ N. R1W. ^{AS DESCRIBED IN BOOK 'B' GROUP 20} Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 6 and 7., marked on brass cap ¹⁹³¹ CC.E. of center. T12 $\frac{1}{2}$ N. R1W., S24., S25. in W. half T12N. S6 in NE. and R1E. S7 in SE. quadrant.
- Raise a mound of stone 2 ft. base. $1\frac{1}{2}$ ft. high E. of cor. Pits impracticable.
- Land hilly and mountainous; ridges and spurs with light poor stony soil on underlying ledges of porphyry and granite. light growth bunch grass. No timber.

June 21, 1913.

General Description.

This township is mountainous in the western, northern, and and eastern portions, hilly in the interior and rolling in the southern part, and the soil ranges from a rich sandy loam in the narrow bottom lands along the Big Bug creek which crosses the township in a southeasterly direction, to barren rock cliffs.

The township is poorly watered and poorly timbered., The south central portion of the township is a prairie country producing a good growth of bunch grass.

There are several gold and copper mines in the township though only one or two are being operated at the present time to a profit.

The town of Mayer contains a store, schoolhouse, one church and about 40 dwelling houses. Its population is about 150.

Sidney E. Blount
U.S. Surveyor.

NOTE: For original notes of the survey of this mile see page 25, Book "G", Group 11, hereto attached.

For CERTIFICATE OF ASSISTANTS.
See Book "O" Group 20

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, _____, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of _____ of the _____ Meridian, in the State of _____ which are represented in the foregoing field notes as having been executed 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 executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	

Subscribed and certified to before me on the dates of the final service as shown above.

U. S. Surveyor.

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BOOK 2356
36,

See Book " 6 " Group 20

....., U. S. Surveyor, do solemnly swear that, in pursuance
of special instructions received from the U. S. Surveyor General for
bearing date of the day of, 191, I have well, faithfully, and truly,
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying
Instructions, and the laws of the United States, surveyed all those parts or portions of
.....
..... of the
..... Meridian, in the State of, which are represented in
the foregoing field notes as having been executed 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 accord-
ance with the Manual of Surveying Instructions, and the special written instructions of the U. S. 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.

.....
U. S. Surveyor.

Subscribed by said and sworn to before me }
this day of, 191



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, July 27, 191 4

The foregoing field notes of the ~~survey of~~ corrective survey of Part of the
Subdivision lines of
Township No. 12 North, Range No. 1 East
of the Gila and Salt River Base and Meridian, Arizona
(original survey of same executed by Fred W. Rodolf under Group 11)

executed by Sidney E. Blout, U.S. Surveyor
under his special instructions dated October 9, 191 2, 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. Sigall
U. S. Surveyor General.
of Arizona

~~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.~~

.....
U. S. Surveyor General.