

FIELD NOTES

BOOK 3458

OF ~~THE SURVEY OF~~ THE

SURVEY OF

Subdivision Lines of

TOWNSHIP 2 SOUTH RANGE 1 EAST

Within the Gila River Indian Reservation

Of the Gila & Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Robert A. Farmer, Topographer

In the capacity of U. S. Surveyor, under instructions dated Oct. 11, 1910,
Commissioner of the General Land Office to A.F. Dunnington,
issued by the United States Surveyor General to govern surveys included in
Topographer in Charge of Indian Surveys
Group No. _____, which were approved by the Commissioner of the General Land
Office, _____, 191____, pursuant to authority contained in the Act of
Congress dated _____, 191____

Survey commenced January 9, 1912

Survey completed February 8, 1912

1A

BLD. 3458

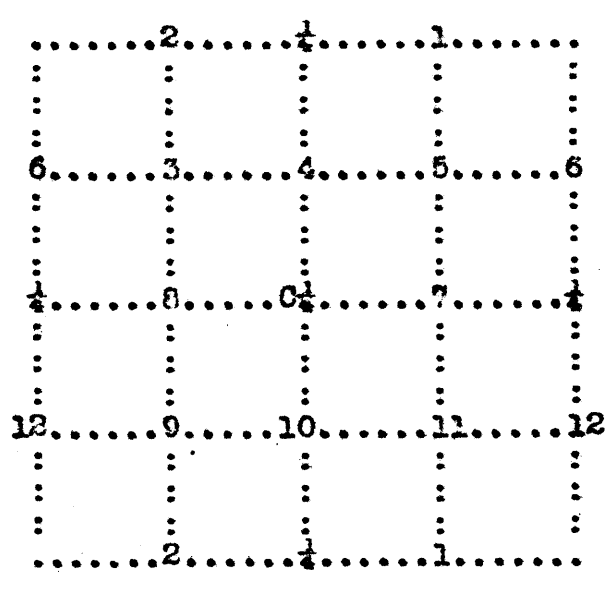
INDEX DIAGRAM.

Township 2 South, Range 1 East

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Meanders of Left Bank of Gila River, Pages 30 and 31.

Diagram showing the position of the 1/16 section corners within a section.



Subdivision of T. 2 S., R. 1 E.

Chains

Survey commenced January 9, 1912, by R. A. Farmer, Topographer, and executed with a Young & Sons light mountain transit No. 8506, with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The iron posts used in this survey are 3 feet long, 1 inch in diameter, and are set 26 ins. in the ground. The posts are filled with cement and fitted with brass caps.

The instrument was examined and tested on a meridian established by Polaris observations, at camp in sec. 14, T. 3 S., R. 2 E., (description of which will be found in field notes of the subdivision of T. 3 S., R. 2 E.) and found correct.

The NE. cor. of this township is in Lat. 33° 17' N.; Long. 112° 12' W.

Jan. 9, 1912. At 8 a.m., l.m.t., I set off 33° 15' on the lat. arc, 22° 11' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 13, 14, 23 and 24, on S. bdy. of Gila River Indian Reservation, previously described.

Thence I run

N. 0° 01' W. bet. secs. 13 and 14.

Over rough, rocky land.

35.00 Dry drain, course N. 70° E.
Thence gradual ascent of S. slope of ridge, brs. N. 70° W. and S. 70° E.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 13 and 14, with cap stamped

$\frac{1}{4}$ S 14 in W. half
S 13 in E. half
1912 in S.

Build a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

41.00 Top of ridge, brs. E. and W. Begin gradual descent.

48.00 Foot of descent, brs. E. and W.
Begin steep ascent of ridge, brs. E. and W.

64.30 Top of ridge, brs. E. and W.
Begin rocky descent.

80.00 Set an iron post for the cor. of secs. 11, 12, 13 and 14, with cap stamped

T 2 S S 12 in NE. quadrant
R 1 E S 13 in SE. "
S 14 in SW. "
S 11 in NW. "
1912 in S., 4 notches on S. and 1 notch

Subdivision of T. 2 S., R. 1 E.

Chains

on E. edge

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

Land, mountainous. (Barren).
Soil, rocky, 4th rate.
No timber.

Jan. 9, 1912. At this cor., I set off 22° 11' S. on the decl. arc, and at 12h 6m 50s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is within one minute of the proper lat.

East on a true line bet. secs. 12 and 13.

Ascending ridge, bearing N. 60° E. and S. 60° W.

5.35 Top of ascent, brs. NE. and SW. Begin descent.

9.85 Foot of steep, rocky descent of E. slope of ridge; enter greasewood and scattered palo verde and ironwood, brs. N. and S.

40.00 Set an iron post for the ¼ sec. cor. bet. secs. 12 and 13, with cap stamped

¼ S 12 in N. half
S 13 1912 in S. half

Build a mound of stone 2 ft. base, 1½ ft. high, N. of cor.

51.35 Enter dry wash, course NE.

55.55 Leave dry wash, course NE.

60.35 Dry drain, course NE.

68.75 Dry drain, course NE.

82.35 Dry drain, course NE.

85.25 Intersect the W. bdy. of T. 2 S., R. 2 E., at a point from which the cor. of secs. 7 and 18, brs. N. 8.06 chs. dist.

Set an iron post for C.C. of secs. 12 and 13, with cap stamped

C C in W.
T 2 S S 13 in SW.
R 1 E S 12 in NW.
1912 in S.
4 notches on S. and 2 notches on N. edge

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

Land, mountainous. (Grazing).
Soil, rocky, 4th rate.
Timber and brush, greasewood, palo verde and ironwood, 45.25 chs.

Jan. 9, 1912.

Subdivision of T. 2 S., R. 1 E.

Chains

Jan. 10, 1912. At 8 a.m., l.m.t., I set off $33^{\circ} 16'$ on the lat. arc, $22^{\circ} 02' S.$ on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 11, 12, 13 and 14.

Thence I run

N. $0^{\circ} 01' W.$ bet. secs. 11 and 12.

Descending N. slope of rocky ridge.

5.00 Foot of descent, brs. E. and W.
Thence over rolling land, through scattered greasewood, palo verde and ironwood, brs. E. and W.

36.00 Dry drain, course NE.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 11 and 12, with cap stamped

$\frac{1}{4}$ S 11 in W. half
S 12 in E. half
1912 in S.

Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

60.00 Dry drain, course NE.

80.00 Set an iron post for the cor. of secs. 1, 2, 11 and 12, with cap stamped

T 2 S S 1 in NE. quadrant
R 1 E S 12 in SE. "
S 11 in SW. "
S 2 in NW. "
1912 in S.

5 notches on S. and 1 notch on E. edge

Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous, 5.00 chs., rough and rolling, 75.00 chs.
Soil, rocky, 4th rate.
Timber and brush, scattered greasewood, and palo verde, 75.00 chs.
(Grazing land, 80.00 chs.)

Jan. 10, 1912. At this cor., I set off $22^{\circ} 03' S.$ on the decl. arc, and at 12h 07m 15s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ} 16'$, which is within one minute of the proper lat.

N. $89^{\circ} 56' E.$ bet. secs. 1 and 12.

Over rough, rolling land, through greasewood, scattered palo verde and ironwood.

15.50 Dry drain, course NE.

20.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 2, bet. secs. 1 and 12 ($W\frac{1}{2}$), with cap stamped

No 2 $\frac{1}{16}$ S 1 in N. half
S 12 1912 in S. half

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Subdivision of T. 2 S., R. 1 E.

Chains

- 32.60 Road, brs. NW. and SE.
Dry drain, course NE.
Indian grave-yard, brs. N., 3.00 chs. dist.
Enter agricultural land.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 1 and 12,
with cap stamped

 $\frac{1}{4}$ S 1 in N. half
S 12 1912 in S. half

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.;
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
- 51.50 Santa Cruz Wash, 2.00 chs. wide, running water 2 ft. deep,
course N. 70° W.
- 53.80 Junction of roads, bearing N. 70° W., N. 70° E. and
S. 70° W.
- 54.80 Fence, brs. N. 70° W. and S. 70° E.
Leave brush, enter fields.
- 58.50 Fence, brs. N. 20° E. and S. 20° W.
- 60.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 1, bet. secs. 1
and 12 ($\frac{1}{2}$), with cap stamped

No 1 $\frac{1}{16}$ S 1 in N. half
S 12 1912 in S. half

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.;
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
- 67.70 Fence, brs. N. 20° E. and S. 20° W.
- 72.30 Fence, brs. N. 70° W. and S. 70° E.
- 74.20 Fence, brs. N. 20° E. and S. 20° W.
- 78.10 Fence, brs. N. 20° E. and S. 20° W.
- 82.80 Irrigation ditch, 10 lks. wide, course NW.
- 83.10 Cor. of fences, bearing N. 70° W. and S. 70° E., and
N. 20° E. and S. 20° W.
- 85.26 Intersect the W. bdy. of T. 2 S., R. 2 E., at a point from
which the cor. of secs. 6 and 7 brs. N., 8.20 chs. dist.

Set an iron post for C.C. of secs. 1 and 12, with cap
stamped

C C in W.
T 2 S S 12 in SW.
R 1 E S 1 in NW.
1912 in S.
5 notches on S. and 1 notch on N. edge,
from which

A mesquite 8 ins. dia. brs. S. $59\frac{1}{2}$ ° W., 140 lks. dist.
Mkd. T 2 S R 1 E S 12 C C B T.
A mesquite 8 ins. dia. brs. N. $62\frac{1}{2}$ ° W., 167 lks. dist.
Mkd. T 2 S R 1 E S 1 C C B T.

Land, rolling. (Agricultural, 52.66 chs.; grazing, 32.60
chs.).
Soil, gravelly, 2nd rate.
Timber and brush, greasewood, palo verde and ironwood,
54.80 chs.

5
5

Subdivision of T. 2 S., R. 1 E.

Chains

Jan. 11, 1912. At 8 a.m., l.m.t., I set off $33^{\circ} 15'$ on the lat. arc, $21^{\circ} 54'$ S. on the decl. arc, and determine a meridian with the solat, at the $\frac{1}{4}$ sec. cor. bet. secs. 12 and 13.

Thence I run

North on a random line through the middle of sec. 12.

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

79.86 Falls 14 lks. W. of the $\frac{1}{4}$ sec. cor. bet. secs. 1 and 12.

Move temp. center $\frac{1}{4}$ sec. cor. 7 lks. E.

Cloudy at Noon today; no observation for lat. Jan. 11, 1912.

From the $\frac{1}{4}$ sec. cor. bet. secs. 11 and 12, I run

East on a random line through the middle of sec. 12.

40.10 Falls 9 lks. S. of the temp. center $\frac{1}{4}$ sec. cor.

85.27 Intersect the closing $\frac{1}{4}$ sec. cor. off E. bdy. of sec. 12, previously described.

(Point for center $\frac{1}{4}$ sec. cor. is therefore 9 lks. S. $0^{\circ} 06'$ E. of temp. cor.)

Thence I run

West on a true line through the middle of sec. 12.

Over rolling land, through brush.

3.27 Road, brs. NW. and SE.

7.27 Indian house, brs. N., 1.00 ch. dist.

36.27 Dry drain, course NE.

45.17 Set an iron post for center $\frac{1}{4}$ sec. cor. of sec. 12, with cap stamped

C $\frac{1}{4}$ S 12 in center
1912 in S.

Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

66.27 Middle of dry wash, 4.00 chs. wide, course NE.

73.77 Enter dry wash, course N. 70° E.

82.87 Leave dry wash, course East from S. 70° W.

85.27 (40.10) The $\frac{1}{4}$ sec. cor. bet. secs. 11 and 12.

Land, rolling. (Agricultural).

Soil, gravelly, 3rd rate.

No timber.

Brush, scattered greasewood.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 12 and 13, thence I run

Subdivision of T. 2 S., R. 1 E.

Chains

N. 0° 06' E. on a true line through the middle of sec. 12.
Over rolling land, through scattered brush.

35.66 Dry drain, course NE.

39.91 The center $\frac{1}{4}$ sec. cor. of sec. 12.

57.36 Middle of dry wash, 3.00 chs. wide, course NE.

73.96 Road, brs. N. 60° W. and S. 60° E.

79.86 (39.95) The $\frac{1}{4}$ sec. cor. bet. secs. 1 and 12.

Land, rolling. (Grazing).
Soil, gravelly, 3rd and 4th rate.
Brush, scattered mesquite and greasewood.

Jan. 11, 1912.

Jan. 12, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 21° 44' S. 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. 0° 01' W. on a random line bet. secs. 1 and 2, setting temp. cors. at intervals of 20.00 chs.

81.25 Falls 12 lks. E. of the cor. of secs. 1, 2, 35 and 36, on N. bdy. of Tp., previously described.

Thence I run

S. 0° 06' E. on a true line bet. secs. 1 and 2.

Over rolling land, through scattered greasewood, palo verde and ironwood brush.

13.45 Dry drain, course NE.

21.25 Set an iron post for $\frac{1}{16}$ sec. cor. No. 6, bet. secs. 1 and 2 ($N\frac{1}{2}$), with cap stamped

$\frac{1}{16}$ S 2 in W. half
S 1 in E. half
No 6 in N.
1912 in S.

Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

(No B.T.s available).

22.65 Road, brs. N. 70° W. and S. 70° E.

41.25 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 1 and 2, with cap stamped

$\frac{1}{4}$ S 2 in W. half
S 1 in E. half
1912 in S., from which

A mesquite 5 ins. dia. brs. S. 39 $\frac{1}{2}$ ° E., 100 lks. dist.

Mkd. $\frac{1}{4}$ S 1 B T.

A mesquite 6 ins. dia. brs. N. 30 $\frac{1}{2}$ ° W., 87 lks. dist.

Mkd. $\frac{1}{4}$ S 2 B T.

Subdivision of T. 2 S., R. 1 E.

Chains

44.35 Road, brs. N. 30° E. and S. 30° W.

49.95 Road, brs. NW. and SE.

61.25 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 1 and 2 (S $\frac{1}{2}$), with cap stamped

1/16 S 2 in W. half
S 1 in E. half
No 12 in N.
1912 in S.

(No B.T.s available).

Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

81.25 The cor. of secs. 1, 2, 11 and 12.

Land, rolling. (Grazing.).

Soil, stony, 4th rate.

Brush, scattered greasewood, ironwood and palo verde.

Jan. 12, 1912. At this cor., I set off 21° 45' S. on the decl. arc, and at 12h 08m 04s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is within one minute of the proper lat.

Jan. 13, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 21° 35' S. on the decl. arc, and determine a meridian with the solar, at the 1/16 sec. cor. No. 12, bet. secs. 1 and 2 (S $\frac{1}{2}$).

Thence I run

N. 89° 56' E. on a random line through the middle of the S. half of sec. 1, setting temp.cors. at intervals of 20.00 chs.

85.30 Falls 2 lks. N. of the temp. 1/16 sec. cor. No. 12, on E. bdy. of sec. 1, (S $\frac{1}{2}$), previously described.

Thence I run

S. 89° 55' W. on a true line through the middle of the S. half of sec. 1.

Over level land, through brush.

1.10 Left bank of Gila River; 4 ft. high.

Set an iron post for 1/16 M.C. of sec. 1, with cap stamped

M C in E.
1/16 S 1 in W.
1912 in S.

Dig a pit 36x36x12 ins. 8 ft. W. of post; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

2.00 Fence, brs. NW. and SE. Enter fields.

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Subdivision of T. 2 S., R. 1 E.

Chains

- 4.30 Fence, brs. N. 30° E. and S. 30° W.
- 12.10 Fence, brs. N. 70° E. and S. 70° W.
- 12.30 Ditch, course N. 70° W.
- 15.30 Fence, brs. N. 30° E. and S. 30° W.
- 21.80 Fence, brs. N. 70° W. and S. 70° E.
- 24.50 Fence, brs. N. 30° E. and S. 30° W.
- 25.30 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$ of sec. 1, with cap stamped
- No 11 in N.
1/16 S 1 in center
1912 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 30.00 Road, brs. NE. and SW.
- 31.00 Fence, brs. N. 30° E. and S. 30° W.
- 39.80 Fence, brs. N. 30° E. and S. 30° W.
- 45.30 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 1, with cap stamped
- No 10 in N.
1/16 S 1 in center
1912 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 49.95 Fence, brs. N. 70° W. and S. 70° E.
Leave fields, enter brush.
- 50.80 Road, brs. N. 70° W. and S. 70° E.
- 55.50 Santa Cruz Wash, 2.00 chs. wide, 2 ft. deep, course NW.
- 65.30 Set an iron post for 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 1, with cap stamped
- No 9 in N.
1/16 S 1 in center
1912 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 74.50 Road, brs. NW. and SE.
- 85.30 The 1/16 sec. cor. No. 12, bet. secs. 1 and 2 (S. $\frac{1}{2}$).
- Land, level. (Agricultural).
Soil, 2nd rate.
No timber.
Brush, scattered greasewood and palo verde, 36.35 chs.
-

Subdivision of T. 2 S., R. 1 E.

Chains

- From the $\frac{1}{4}$ sec. cor. bet. secs. 1 and 2, I run
N. $89^{\circ} 56'$ E. on a random line through the middle of sec.
1, setting temp. cors. at intervals of 20.00 chs.
- 85.34 Falls 5 lks. N. of the xxxxxxx $\frac{1}{4}$ sec. cor. on E. bdy. of
sec. 1, previously described.
- Thence I run
S. $89^{\circ} 58'$ W. on a true line through the middle of sec. 1.
Over level land, through brush.
- 10.14 Fence, brs. N. 60° W. and S. 60° E.
Leave brush; enter fields.
- 10.74 Irrigation ditch, 10 lks. wide, course N. 70° W.
- 12.69 E. cor. of Indian house.
- 13.04 W. cor. of Indian house.
- 15.94 Fence, brs. N. 20° E. and S. 20° W.
- 16.14 Road, brs. N. 20° E. and S. 20° W.
- 16.64 Fence, brs. N. 20° E. and S. 20° W.
- 19.14 Fence, brs. N. 60° W. and S. 60° E.
Leave fields; enter brush.
- 25.34 Set an iron post for $1/16$ sec. cor. No. 7, bet. the NR.
and SE. quarters of sec. 1, with cap stamped
- No 7 in N.
 $1/16$ S 1 in center
1912 in S.
- Dig pits $18 \times 18 \times 12$ ins. E. and W. of post 3 ft. dist.;
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
- 31.64 Cor. of fences, bearing N. 20° E. - S. 20° W. and
N. 70° W. - S. 70° E.
- 45.34 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 1,
with cap stamped
- C $\frac{1}{4}$ S 1 in center
1912 in S.
- Dig pits $18 \times 18 \times 12$ ins. E., W. and S., 3 ft., and N. of
post 7 ft. dist.; and raise a mound of earth 4 ft. base,
2 ft. high, N. of cor.
- 46.94 Road, brs. N. 20° E. and S. 20° W.
- 59.04 Santa Cruz Wash, 2.00 chs. wide, course N. 20° E.; water
2 ft. deep.
- 64.84 Road, brs. N. 10° W. and S. 10° E.
- 65.34 Set an iron post for $1/16$ sec. cor. No. 8, bet. the NW.
and SW. quarters of sec. 1, with cap stamped
- No 8 in N.
 $1/16$ S 1 in center
1912 in S.
- Dig pits $18 \times 18 \times 12$ ins. E. and W. of post 3 ft. dist.;

Subdivision of T. 2 S., R. 1 E.

Chains	
	and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
74.24	Road, brs. N. and S.
81.89	Road, brs. NE. and SW.
85.34	The ¼ sec. cor. bet. secs. 1 and 2. Land, level. (Agricultural if irrigated.) Soil, 2nd rate. Brush, arrow weed and mesquite. Jan. 13, 1912. At this cor., I set off 21° 35' S. on the decl. arc, and at 12h 8m 27s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 17', which is within one minute of the correct lat. ----- From the 1/16 sec. cor. No. 6, bet. secs. 1 and 2 (N½), I run N. 89° 56' E. on a random line through the middle of the N. half of sec. 1, setting temp. cors. at intervals of 20.00 chs. 85.34 Falls 2 lks. N. of the xxxxxxxx 1/16 sec. cor. No. 6, on E. bdy., of sec. 1, and E. bdy. of Tp., previously described. Thence I run S. 89° 57' W. on a true line through the middle of the N. half of sec. 1. Over level land, through brush. 10.20 Road, brs. N. 20° E. and S. 20° W. 10.40 Fence, brs. N. 20° E. and S. 20° W. . Leave brush; enter fields. 15.00 Indian house, brs. S., 2.00 chs. dist. 18.00 Fence, brs. NE. and SW. 19.20 Ditch, course N. 60° W. (10 lks. wide). 25.34 Set an iron post for the 1/16 sec. cor. No. 5, in the center of the NE¼ of sec. 1, with cap stamped No 5 in N. 1/16 S 1 in center 1912 in S. Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor. 27.10 Fence, brs. N. 30° E. and S. 30° W. 28.50 Fence, brs. N. 70° W. and S. 70° E. 32.40 Fence, brs. N. 30° E. and S. 30° W. 33.60 Road, brs. N. 30° E. and S. 30° W. 36.40 Fence, brs. N. 30° E. and S. 30° W. Leave fields; enter brush.

Subdivision of T. 2 S., R. 1 E.

Chains

45.34 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 1, with cap stamped

No 4 in N.
1/16 S 1 in center
1912 in S.

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.

48.40 Santa Cruz Wash, 2.00 chs. wide, water 1 ft. deep, course N.

52.30 Bend of Santa Cruz Wash, from N. 30° E. to SE.

55.50 Road, brs. NE. and SW.

65.34 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW¼ of sec. 1, with cap stamped

No 3 in N.
1/16 S 1 in center
1912 in S., from which

A mesquite 5 ins. dia. brs. S. 20¼° E., 57 lks. dist.
Mkd. 1/16 S 1 B T.
A mesquite 6 ins. dia. brs. N. 69¾° W., 65 lks. dist.
Mkd. 1/16 S 1 BT.

(Scattered trees around cor.)

73.00 N. edge of Indian village (10 houses).

74.40 E. side of Indian house.

74.70 W. side of Indian house.

76.20 Road, brs. N. 20° E. and S. 20° W.

85.34 The 1/16 sec. cor. No. 6, bet. secs. 1 and 2, (N½).

Land, level. (Agricultural).
Soil, 2nd rate.
Brush, arrow weed and mesquite.

Jan. 13, 1912.

Jan. 15, 1912. At 8.00 a.m., l.m.t., I set off 33° 15' on the lat. arc. 21° 15' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 14, 15, 22 and 23, on S. bdy. of Gila River Indian Reservation, previously described.

Thence I run

N. 0° 01' W. bet. secs. 14 and 15.

Over mountainous land, descending.

6.00 Dry drain, course NE.; foot of descent; thence along E. slope.

20.00 Dry drain, course E.; begin ascent of ridge, brs. NE. and SW.

27.96 Top of ascent, brs. NE. and SW. Begin descent.

Subdivision of T. 2 S., R. 1 E.

Chains

- Point for $\frac{1}{4}$ sec. cor. will fall on unstable ground, therefore at
- 30.00 Set an iron post for W.C. to the $\frac{1}{4}$ sec. cor. bet. secs. 14 and 15, with cap stamped
- $\frac{1}{4}$ S 15 in W. half
S 14 in E. half
W C 1912 in S.
- Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 40.00 True point for $\frac{1}{4}$ sec. cor. bet. secs. 14 and 15, falls on boulders.
- Jan. 15, 1912. At this point, I set off $21^{\circ} 15'$ S. on the decl. arc, and at 12h 9m 12s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ} 15'$, which is within one minute of the proper lat.
- 49.00 Dry drain, course NE. Foot of descent; begin ascent.
- 80.00 Set an iron post for the cor. of secs. 10, 11, 14 and 15, with cap stamped
- T 2 S S 11 in NE. quadrant
R 1 E S 14 in SE. quadrant
S 15 in SW. quadrant
S 10 in NW. quadrant
1912 in S.
4 notches on S. and 2 notches on E. edge
- Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous. (Barren, 80.00 chs.)
Soil, rocky, 4th rate.
No timber.
- Jan. 15, 1912.
-
- Jan. 16, 1912. At 8.00 a.m., l.m.t., I set off $33^{\circ} 16'$ on the lat. arc, $21^{\circ} 3'$ S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 10, 11, 14 and 15.
- Thence I run
- East on a random line bet. secs. 11 and 14.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Falls 14 lks. N. of the cor. of secs. 11, 12, 13 and 14.
- Jan. 16, 1912. At this cor., I set off $21^{\circ} 3'$ S. on the decl. arc, and at 12h 09m 35s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ} 16'$, which is within one minute of the proper lat.
- Thence I run
- N. $89^{\circ} 54'$ W. on a true line bet. secs. 11 and 14.
- Over mountainous land, ascending.
- 5.00 Top of ascent, hrs. N. and S. Begin descent.

Subdivision of T. 2 S., R. 1 E.

Chains	
10.00	Foot of descent, brs. N. and S. Begin ascent.
18.00	Top of ascent, brs. N. and S. Begin descent.
24.00	Foot of descent, brs. N. and S. Thence gradual ascent.
40.00	Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 11 and 14, with cap stamped $\frac{1}{4}$ S 11 in N. half S 14 1912 in S. half Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
52.00	Begin steep ascent of E. slope.
80.00	The cor. of secs. 10, 11, 14 and 15. Land, mountainous. (barren, 80.00 chs.) Soil, rocky, 4th rate. No timber. <p style="text-align: right;">Jan. 16, 1912.</p> <hr style="border-top: 1px dashed black;"/>
	Jan. 17, 1912. At 6.00 a.m., l.m.t., I set off $33^{\circ} 16'$ on the lat. arc, $20^{\circ} 52'$ S. on the decl. arc, and deter- mine a meridian with the solar, at the cor. of secs. 10, 11, 14 and 15. Thence I run N. $0^{\circ} 01'$ W. bet. secs. 10 and 11. Over rough, mountainous land, ascending.
1.70	Top of ascent, brs. NE. and SW. Thence gradual descent along W. slope of ridge.
27.00	Top of same ridge, brs. N. 10° W. and S. 10° E. Begin ascent.
40.00	True point for $\frac{1}{4}$ sec. cor. bet. secs. 10 and 11, which falls on unstable ground, on large boulders; impracti- cable to set post; therefore at
51.70	Set an iron post for W.C. to the $\frac{1}{4}$ sec. cor., with cap stamped $\frac{1}{4}$ S 10 in W. half S 11 in E. half W C 1912 in S. Build a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Top of ascent; begin steep rocky descent. Jan. 17, 1912. At this W.C., I set off $20^{\circ} 52'$ S. on the decl. arc, and at 12h 09m 55s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ} 16'$, which is within one minute of the proper lat.
74.00	Foot of steep descent, brs. E. and W. Thence gradual descent over rough, rocky land. Enter brush, brs. E. and W.

Subdivision of T. 2 S., R. 1 E.

Chains

80.00 Set an iron post for the cor. of secs. 2, 3, 10 and 11, with cap stamped

T 2 S S 2 in NE. quadrant
R 1 E S 11 in SE. "
S 10 in SW. "
S 3 in NW. "

1912 in S.

5 notches on S. and 2 notches on E. edges

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

Land, mountainous (Barren, 74.00 chs.; brushy, 6.00 chs.)

Soil, rocky, 4th rate.

No timber.

Brush, scattered greasewood, palo verde and ironwood.

Jan. 17, 1912.

Jan. 18, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 20° 40' S. of the decl. arc, and determine a meridian with the solar, at the cor. of secs. 2, 3, 10 and 11.

Thence I run

S. 89° 54' E. on a random line bet. secs. 2 and 11.

40.00 Set temp. ¼ sec. cor.

80.10 Falls 2 lks. S. of the cor. of secs. 1, 2, 11 and 12.

Thence I run

N. 89° 55' W. on a true line bet. secs. 2 and 11.

Over rolling foot hills, through greasewood, palo verde and ironwood brush.

40.05 Set an iron post for ¼ sec. cor. bet. secs. 2 and 11, with cap stamped

¼ S 2 in N. half
S 11 1912 in S. half

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.

46.00 Leave rolling land and brush, brs. N. and S. Begin steep rocky ascent of ridge, brs. NE. and SW.

68.00 Top of ascent, brs. NW. and SE. Begin descent.

76.00 Foot of descent; thence over rough, rolling land, through brush, brs. NE. and SW.

80.10 The cor. of secs. 2, 3, 10 and 11.

Land, rolling. (brushy-grazing, 56.00 chs.; barren, 24.10 chs.)

Soil, rocky, 3rd and 4th rate.

No timber.

Brush, greasewood, palo verde, and ironwood.

Jan. 18, 1912. At this cor., I set off 20° 40' S. on the decl. arc, and at 12h 10m 16s p.m., l.m.t., observe the

Subdivision of T. 2 S., R. 1 E.

Chains

sun on the meridian; the resulting lat. is 33° 16', which is the proper lat.

N. 0° 01' W. on a random line bet. secs. 2 and 3.

40.00 Set temp. ¼ sec. cor.

80.92 Falls 12 lks. E. of the cor. of secs. 2, 3, 34 and 35, on N. bdy. of Tp., previously described.

Thence I run

S. 0° 06' E. on a true line bet. secs. 2 and 3.

Over rolling land, through greasewood, palo verde, and ironwood, gradually ascending.

14.42 Dry drain, course N. 60° E.

28.52 Dry drain, course NE.

40.92 Set an iron post for the ¼ sec. cor. bet. secs. 2 and 3, with cap stamped

¼ S 3 in W. half
S 2 in E. half
1912 in S.

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

47.92 Enter dry drain, course NE.

59.92 Leave dry drain, course NE.

72.82 Dry drain, course N. 75° E.

80.92 The cor. of secs. 2, 3, 10 and 11.

Land, gently rolling. (Grazing).
Soil, stony, 4th rate.
No timber.

Brush, greasewood, palo verde and ironwood.

Jan. 18, 1912.

Jan. 19, 1912. At 8 a.m., l.m.t., I set off 33° 16' on the lat. arc, 20° 29' S. on the decl. arc, and determine a meridian with the solar, at the ¼ sec. cor. bet. secs. 2 and 11.

Thence I run

N. 0° 01' W. on a random line through the middle of sec. 2.

40.00 Set temp. center ¼ sec. cor.

81.14 Falls 12 lks. E. of the ¼ sec. cor. bet. secs. 2 and 35, on N. bdy. of Tp., previously described.

Move temp. center ¼ sec. cor. 6 lks. W.

Subdivision of T. 2 S., R. 1 E.

Chains

From the 1/4 sec. cor. bet. secs. 2 and 3, I run S. 89° 55' E. on a random line through the middle of sec. 2.

39.94 Falls 4 lks. S. of temp. center 1/4 sec. cor.

79.99 Falls 10 lks. S. of the 1/4 sec. cor. bet. secs. 1 and 2.

(Point for center 1/4 sec. cor. is therefore 1 lks N.0°06'W. of temp. cor.)

Jan. 19, 1912. At this cor., I set off 20° 28' S. on the decl. arc, and at 12h 10m 35s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 17', which is within one minute of the proper lat.

Thence I run

N. 89° 59' W. on a true line through the middle of sec. 2.

Over rolling land, through scattered ironwood, pale verde and greasewood brush.

4.49 Road, brs. N. 20° W. and S. 20° E.

11.49 Dry drain, course N.

27.99 Dry drain, course NE.

40.05 Set an iron post for the center 1/4 sec. cor. of sec. 2, with cap stamped

C 1/4 S 2 in center
1912 in S.

Build a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor.

44.79 Middle of dry drain, 3.00 chs. wide, course NE.

79.99 (39.94) The 1/4 sec. cor. bet. secs. 2 and 3.

Land, rolling. (Grazing).
Soil, stony, 4th rate.
No timber.

Brush, greasewood, pale verde, and ironwood, 79.99 chs.

Returning to the 1/4 sec. cor. bet. secs. 2 and 11, thence I run

N. 0° 06' W. on a true line through the middle of sec. 2.

Over rolling land, through brush.

40.01 The center 1/4 sec. cor. of sec. 2.

43.14 Enter dry wash, course NE.

48.14 Leave dry wash, course NE.

65.14 Dry drain, course N. 60° E.

81.14 The 1/4 sec. cor. bet. secs. 2 and 35, on N. bdy. of Tp., previously described.

Land, rolling. (Grazing, 81.14 chs.)

17
17

Subdivision of T. 2 S., R. 1 E.

Chains

Soil, stony, 4th rate.
No timber.
Brush, scattered greasewood, palo verde and ironwood.

Jan. 19, 1912.

Jan. 20, 1912. At 8.00 a.m., l.m.t., I set off $33^{\circ} 15'$ on the lat. arc, $20^{\circ} 16'$ S. on the decl. arc, and determine a meridian with the solar, at the true point for the cor. of secs. 15, 16, 21 and 22, on S. bdy. of Gila River Indian Reservation, previously described.

Thence I run

N. $0^{\circ} 02'$ W. bet. secs. 15 and 16.

Descending steep rocky slope.

18.00 Dry drain, course SW. Foot of descent; begin ascent.

38.00 Ridge, brs. N. 10° W. and S. 10° E.
Top of ascent; thence gradual descent.

40.00 Set an iron post for ~~marker~~ $\frac{1}{4}$ sec. cor. bet. secs. 15 and 16, with cap stamped

$\frac{1}{4}$ S 16 in W. half
S 15 in E. half
1912 in S.

Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

61.90 Begin steep descent.

80.00 Set an iron post for the cor. of secs. 9, 10, 15 and 16, with cap stamped

T 2 S S 10 in NE. quadrant
R 1 E S 15 in SE. "
S 16 in SW. "
S 9 in NW. "
1912 in S.

4 notches on S. and 3 notches on E. edge

Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous, (barren 80.00 chs.)
Soil, rocky, 4th rate.
No timber,

Jan. 20, 1912.

Jan. 22, 1912. At 8.00 a.m., l.m.t., I set off $33^{\circ} 16'$ on the lat. arc, $19^{\circ} 50'$ S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 9, 10, 15 and 16.

Thence I run

East on a random line bet. secs. 10 and 15.

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

Subdivision of T. 2 S., R. 1 E.

Chains

80.12 Falls 14 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Jan. 22, 1912. At this cor., I set off 19° 49' S. on the decl. arc, and at 12h 11m 29s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is the proper lat.

Thence I run

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

Over mountainous land, ascending.

3.36 Top of ascent, brs. N. 30° E. and S. 30° W. Begin descent.

29.00 Dry drain, course N. Foot of descent; begin ascent.

40.06 Set an iron post for the ¼ sec. cor. bet. secs. 10 and 15, with cap stamped

¼ S 10 in N. half
S 15 1912 in S. half

Build a mound of stone 2 ft. base, 1½ ft. high, N. of cor.

63.00 Top of ascent, brs. N. 15° W. and S. 15° E. Begin descent.

75.50 Dry drain, course N. 10° W. Foot of descent; begin ascent.

80.12 The cor. of secs. 9, 10, 15 and 16.

Land, mountainous. (Barren, 80.12 chs.)
Soil, rocky, 4th rate.
No timber.

Jan. 22, 1912.

Jan. 23, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 19° 36' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 9, 10, 15 and 16.

Thence I run

N. 0° 02' W. on a true line bet. secs. 9 and 10.

Over steep NE. slope of mountain, descending.

24.00 Dry drain, course NW.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 9 and 10, stamped in cap

¼ S 9 in W. half
S 10 in E. half
1912 in S.

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

50.00 Dry drain, course N. 20° E. Begin gradual descent.

Subdivision of T. 2 S., R. 1 E.

Chains

- 70.00 Enter brush, brs. E. and W.
- 71.90 Dry wash, 2.00 chs. wide, course NE.
- 80.00 Set an iron post for the cor. of secs. 3, 4, 9 and 10, with cap stamped

T 2 S S 3 in NE. quadrant
 R 1 E S 10 in SE. "
 S 9 in SW. "
 S 4 in NW. "

1912 in S.
 2 notches on S. and 3 notches on E. edge

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

Land, mountainous. (Barren, 70.00 chs.; brushy, 10.00 chs.)
 Soil, rocky, 4th rate.
 No timber.

Jan. 23, 1912.

 Jan. 24, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 19° 23' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 3, 4, 9 and 10.

Thence I run

S. 89° 54' E. on a random line bet. secs. 3 and 10.

- 40.00 Set temp. ¼ sec. cor.

- 80.30 Falls 7 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Jan. 24, 1912. At this cor., I set off 19° 22' S. on the decl. arc, and at 12h 12m 2s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is the proper lat.

Thence I run

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

Gradually ascending over mountainous, rolling land, through brush.

- 14.00 Begin rocky ascent of ridge, brs. N. and S. Leave brush, brs. NW. and SE.

- 21.00 Top of ridge, brs. NW. and SE. Begin descent.

- 28.50 Foot of descent, brs. N. and S. Thence over rough, broken land, ascending. Enter brush, brs. NE. and SW.

- 35.00 Dry wash, 1.00 ch. wide, course NE.

- 40.15 Set an iron post for ¼ sec. cor. bet. secs. 3 and 10, with cap stamped

¼ S 3 in N. half
 S 10 1912 in S. half

Build a mound of stone 2 ft. base, 1½ ft. high, N. of cor.

Subdivision of T. 2 S., R. 1 E.

Chains

65.00 Dry wash, 2.00 chs. wide, course N.

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

Land, heavily rolling. (Barren, 65.80 chs.; brushy, 14.50 chs.)

Soil, rocky, 4th rate.

No timber.

Brush, greasewood, palo verde and ironwood.

Jan. 24, 1912.

Jan. 25, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 19° 08' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 3, 4, 9 and 10.

Thence I run

N. 0° 02' W. on a random line bet. secs. 3 and 4.

40.00 Set temp. 1/4 sec. cor.

80.70 Walls 5 lks. E. of the cor. of secs. 3, 4, 33 and 34, on N. bdy. of Tp., previously described.

Jan. 25, 1912. At this cor., I set off 19° 07' S. on the decl. arc, and 12h 12m 16s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 17', which is within one minute of the proper lat.

Thence I run

S. 0° 04' E. on a true line bet. secs. 3 and 4.

Ascending NE. slope of mountain.

26.56 Top of ascent, brs. N. 75° W. and S. 75° E. Begin descent.

32.70 Begin gradual descent; enter brush, brs. E. and W.

40.70 Set an iron post for 1/4 sec. cor. bet. secs. 3 and 4, with cap stamped

1/4 S 4 in W. half
S 3 in E. half
1912 in S.

Build a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

59.70 Dry drain, course E.

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

Land, mountainous, 32.70 chs.; rolling, 48.00 chs. (Grazing land, 80.70 chs.)

Soil, rocky, 4th rate.

No timber.

Brush, greasewood, palo verde and ironwood, 48.00 chs.

Jan. 25, 1912.

Subdivision of T. 2 S., R. 1 E.

Chains

Jan. 26, 1912. At 8.00 a.m., l.m.t., I set off 33° 15' on the lat. arc, 18° 53' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 16, 17, 20 and 21, on S. bdy. of Gila River Indian Reservation, previously described.

Thence I run

N. 0° 02' W. bet. secs. 16 and 17.

Over rough, mountainous land, ascending.

32.00 Dry drain, course S. 20° E.

40.00 True point for 1/4 sec. cor. bet. secs. 16 and 17, falls on unstable ground; therefore at

46.20 Set an iron post for W.C. to the 1/4 sec. cor. bet. secs. 16 and 17, with cap stamped

1/4 S 17 in W. half
S 16 in E. half
1912 in S.

Build a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

51.60 Top of Estrella Range, brs. NE. and SW.
Top of ascent; begin descent.

57.00 Head of drain, course NE.
Foot of descent; begin ascent.

69.50 Top of ascent, brs. E. and W. Thence descend.

78.00 Dry drain, course N. 70° E.
Foot of descent; begin ascent.

80.00 Set an iron post for the cor. of secs. 8, 9, 16 and 17, with cap stamped

T 2 S S 9 in NE. quadrant
R 1 E S 16 in SE. "
S 17 in SW. "
S 8 in NW. "
1912 in S.

4 notches on S. and 4 notches on E. edge

Build a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous, (barren, 80.00 chs.)
Soil, rocky, 4th rate.
No timber,

Jan. 26, 1912.

Jan. 27, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 18° 36' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 8, 9, 16 and 17.

Thence I run

East on a random line bet. secs. 9 and 16.

40.00 Set temp. 1/4 sec. cor.

Subdivision of T. 2 S., R. 1 E.

Chains

80.30 Falls 14 lks. S. of the cor. of secs. 9, 10, 15 and 16.

Jan. 27, 1912. At this cor., I set off 18° 38' on the decl. arc, and at 12h 12m 44s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is the correct lat.

Thence I run

S. 89° 54' W. on a true line bet. secs. 9 and 16.

Over steep N. slope, ascending.

10.90 Top of ascent, hrs. NW. and SE. Begin descent.

30.00 Dry drain, course N. 20° W. Foot of descent; begin gradual ascent over rough, broken N. slopes of ridge.

40.15 Set an iron post for 1/4 sec. cor. bet. secs. 9 and 16, with cap stamped

1/4 S 9 in N. half
S 16 1912 in S. half

Build a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor.

73.00 Dry drain, course N. 30° E. Begin steep ascent.

80.30 The cor. of secs. 8, 9, 16 and 17.

Land, mountainous, (barren, 80.30 chs.)
Soil, rocky, 4th rate.
No timber.

Jan. 27, 1912.

Jan. 29, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 18° 07' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 8, 9, 16 and 17.

Thence I run

N. 0° 02' W. bet. secs. 8 and 9.

Along rocky E. slope of ridge.

31.00 Head of dry drain, course SE.

True point for 1/4 sec. cor. bet. secs. 8 and 9 will fall on unstable ground, in large boulders, on ledge; therefore at

38.00 Set an iron post for W.C. to the 1/4 sec. cor. bet. secs. 8 and 9, with cap stamped

1/4 S 8 in W. half
S 9 in E. half
W C 1912 in S.

Build a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

40.00 True point for 1/4 sec. cor. bet. secs. 8 and 9.

Chains

Jan. 29, 1912. At this cor., I set off 18° 06' S. on the decl. arc, and at 12h 13m 08s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is within one minute of the proper lat.

46.00 Dry drain, course S. 60° E.
Thence ascend SE. slope of ridge.

72.00 Top of ascent, brs. E. and W.
Begin abrupt descent.

80.00 Set an iron post for the cor. of secs. 4, 5, 8 and 9,
with cap stamped

T 2 S S 4 in NE. quadrant
R 1 E S 9 in SE. "
S 8 in SW. "
S 5 in NW. "

1912 in S.
2 notches on S. and 4 notches on E. edge

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

Land, mountainous. (Barren, 80.00 chs.)
Soil, rocky, 4th rate.
No timber.

Jan. 29, 1912.

Jan. 30, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 17° 51' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 4, 5, 8 and 9.

Thence I run

N. 89° 54' E. on a random line bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. cor.

80.24 Falls 16 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Jan. 30, 1912. At this cor., I set off 17° 50' S on the decl. arc, and at 12h 13m 19s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is the proper lat.

Thence I run

N. 89° 56' W. on a true line bet. secs. 4 and 9.

Over rough, rocky land, through brush, gradually ascending.

15.24 Leave brush, brs. N. and S. Begin steep ascent.

40.12 True point for ¼ sec. cor. bet. secs. 4 and 9, falls on rocky ledge; impracticable to set post; therefore at

51.04 Set an iron post for W.C. to the ¼ sec. cor. bet. secs. 4 and 9, with cap stamped

¼ S 4 in N. half
S 9 1912 in S. half

Build a mound of stone 2 ft. base, 1½ ft. high, N. of cor.

Subdivision of T. 2 S., R. 1 E.

Chains

63.74 Top of small ridge, brs. NE. and SW.

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

Land, mountainous. (Barren, 80.00 chs.)
Soil, rocky, 4th rate.
No timber.
Brush, scattered greasewood, palo verde and ironwood,
15.24 chs.

Jan. 30, 1912.

Jan. 31, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 17° 35' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 4, 5, 8 and 9.

Thence I run

N. 0° 02' W. on a random line bet. secs. 4 and 5.

40.00 Set temp. ¼ sec. cor.

80.42 Falls 5 lks. W. of the cor. of secs. 4, 5, 32 and 33, on N. bdy. of Tp., previously described.

Jan. 31, 1912. At this cor., I set off 17° 34' S. on the decl. arc, and at 12h 13m 29s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 17', which is within one minute of the proper lat.

Thence I run

South on a true line bet. secs. 4 and 5.

Ascending N. slope of rocky ridge, from head of dry drain, course NE.

9.35 Top of ridge; thence ascend W. slope of ridge.

40.42 Set an iron post for ¼ sec. cor. bet. secs. 4 and 5, with cap stamped

¼ S 5 in W. half
S 4 in E. half
1912 in S.

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

63.20 Top of ascent, brs. NE. and SW. Begin steep descent.

78.00 Head of dry drain, course N. 60° E.

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

Land, mountainous. (Barren, 80.42 chs.)
Soil, rocky, 4th rate.
No timber.

Jan. 31, 1912.

Subdivision of T. 2 S., R. 1 E.

Chains

Feb. 1, 1912. At 8.00 a.m., l.m.t., I set off 33° 15' on the lat. arc, 17° 19' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 17, 18, 19 and 20, on S. bdy. of Gila River Indian Reservation, previously described.

Thence I run

N. 0° 03' W. bet. secs. 17 and 18.

Over rough, mountainous land, descending.

1.50 Dry drain, course S. 75° W.
Foot of descent; begin ascent.

28.90 Top of ascent, brs. NW. and SE.
Begin descent along N. slope of ridge.

Feb. 1, 1912. Cloudy at Noon today; no observation for lat.

31.60 Begin abrupt descent.

40.00 True point for $\frac{1}{4}$ sec. cor. bet. secs. 17 and 18, falls on rocky bluff; impracticable to set post; therefore at

50.00 Set an iron post for W.C. to the $\frac{1}{4}$ sec. cor., with cap stamped

$\frac{1}{4}$ S 18 in W. half
S 17 in E. half
W C 1912 in S.

Build a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

51.00 Dry drain, course N. 70° W.
Foot of descent; thence over rough, rocky land.

62.00 Dry drain, course S. 60° W.
Begin steep ascent of ridge.

70.00 Top of ridge, brs. NE. and SW.
Begin descent.

77.00 Dry drain, course SW. Foot of descent.
Begin ascent.

80.00 True point for cor. of secs. 7, 8, 17 and 18, falls on slide rock; impracticable to set post; therefore at a point 5.00 chs. N. 0° 03' W., set an iron post for W.C. to the cor. of secs. 7, 8, 17 and 18, with cap stamped

T 2 S S 8 in NE. quadrant
R 1 E S 17 in SE. "
S 18 in SW. "
S 7 in NW. "

W C 1912 in S.
1 notch on S. and 5 notches on E. edge

Build a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous. (Barren, 80.00 chs.)
Soil, rocky, 4th rate.
No timber.

Feb. 1, 1912.

Subdivision of T. 2 S., R. 1 E.

Chains

Feb. 2, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 17° 02' S. on the decl. arc, and determine a meridian with the solar, at the true point for the cor. of secs. 7, 8, 17 and 18.

Thence I run

East on a random line bet. secs. 8 and 17.

40.00 Set temp. ¼ sec. cor.

79.90 Intersect the cor. of secs. 8, 9, 16 and 17.

Feb. 2, 1912. At this cor., I set off 17° 01' S. on the decl. arc, and at 12h 13m 46s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 15', which is within one minute of the correct lat.

Thence I run

West on a true line bet. secs. 8 and 17.

Steep ascent.

27.40 Top of ascent, brs. N. and S. Begin steep descent.

39.95 Set an iron post for ¼ sec. cor. bet. secs. 8 and 17, with cap stamped

¼ S 8 in N. half
S 17 1912 in S. half

Build a mound of stone 2 ft. base, 1½ ft. high, N. of cor.

53.90 Dry drain, course S. 60° W. Foot of descent; begin ascent.

59.90 Top of spur, brs. NE. and SW.
Top of ascent, begin descent.

76.90 Dry drain, course SW.

79.90 True point for cor. of secs. 7, 8, 17 and 18.

Land, mountainous. (Barren, 79.90 chs.)
Soil, rocky, 4th rate.
No timber.

Feb. 2, 1912.

Feb. 3, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 16° 45' S. on the decl. arc, and determine a meridian with the solar, at the true point for the cor. of secs. 7, 8, 17 and 18.

Thence I run

West on a random line bet. secs. 7 and 18.

40.00 Set temp. ¼ sec. cor.

77.60 Falls 19 lks. S. of the cor. of secs. 7, 12, 13 and 18, on W. bdy. of Tp., which is also the reservation bdy.

Feb. 3, 1912. At this cor., I set off 16° 43' on the decl. arc, and at 12h 13m 54s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is the proper lat.

Subdivision of T. 2 S., R. 1 E.

Chains

Thence I run

S. 89° 52' E. on a true line bet. secs. 7 and 18.

Over rough, mountainous land, descending.

10.60 Dry drain, course SW. Foot of descent; begin ascent along rough, broken NW. slope of ridge.

37.60 Set an iron post for 1/4 sec. cor. bet. secs. 7 and 18, with cap stamped

1/4 S 7 in N. half
S 18 1912 in S. half

Build a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor.

44.00 Top of ascent, brs. NE. and SW. Thence along S. slope.

55.60 Dry drain, course S. 60° W. Foot of descent; begin ascent.

72.60 Top of ascent, brs. NE. and SW. Thence gradual descent.

77.60 True point for cor. of secs. 7, 8, 17 and 18.

Land, mountainous. (Barren, 77.60 chs.)
Soil, rocky, 4th rate.
No timber.

Feb. 3, 1912.

Feb. 5, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 16° 09' S. on the decl. arc, and determine a meridian with the solar, at the true point for the cor. of secs. 7, 8, 17 and 18.

Thence I run

N. 0° 03' W. bet. secs. 7 and 8.

Over S. slope of mountain, ascending.

5.00 The W.C. to the cor. of secs. 7, 8, 17 and 18.

40.00 True point for 1/4 sec. cor. bet. secs. 7 and 8 falls on steep rocky bluff; impracticable to set cor.; therefore at

48.70 Set an iron post for W.C. to the 1/4 sec. cor., with cap stamped

1/4 S 7 in W. half
S 8 in E. half
W C 1912 in S.

Build a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

Top of Estrella Range, brs. NW. and SE.
Begin abrupt descent.

Feb. 5, 1912. At this cor., I set off 16° 08' S. on the decl. arc, and at 12h 14m 06s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is within one minute of the proper lat.

Subdivision of T. 2 S., R. 1 E.

Chains

76.00 Dry drain, course EW.

80.00 Set an iron post for the cor. of secs. 5, 6, 7 and 8, with cap stamped

T 2 S S 5 in NE. quadrant
 R 1 E S 8 in SE. "
 S 7 in SW. "
 S 6 in NW. "

1912 in S.
 5 notches on S. and 5 on E. edge

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

Land, mountainous. (Barren, 80.00 acs.)
 Soil, rocky, 4th rate.
 No timber.

Feb. 5, 1912.

Feb. 6, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 15° 51' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 5, 6, 7 and 8.

Thence I run

East on a random line, bet. secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.

80.00 Falls 12 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Feb. 6, 1912. At this cor., I set off 15° 50' S. on the decl. arc, and at 12h 14m 12s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 16', which is the proper lat.

Thence I run

N. 89° 55' W. on a true line bet. secs. 5 and 8.

Abrupt ascent.

20.00 Top of ascent, brs. NE. and SW. Begin descent.

29.00 Head of dry drain, course N. 10° E.
 Foot of descent; begin ascent.

40.00 True point for ¼ sec. cor. bet. secs. 5 and 8, falls on large boulder; impracticable to set cor.; therefore at

41.90 Set an iron post for W.C. to the ¼ sec. cor. bet. secs. 5 and 8, with cap stamped

¼ S 5 in N. half
 S 8 W 0 1912 in S. half

Build a mound of stone 2 ft. base, 1½ ft. high, N. of cor.

Top of ascent, brs. N. and S. Begin rocky descent.

80.00 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous (barren),
 Soil, rocky, 4th rate.
 No timber.

Feb. 6, 1912.

Subdivision of T. 2 S., R. 1 E.

Chains

Feb. 7, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 15° 33' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 5, 6, 7 and 8.

Thence I run

N. 89° 52' W. on a random line bet. secs. 6 and 7.

77.47 Falls 19 lks. N. of true point for cor. of secs. 1, 6, 7 and 12, on W. bdy. of Tp., which is also the reservation bdy.

Feb. 7, 1912. At this cor., I set off 15° 31' S. on the decl. arc, and at 12h 14m 16s p.m., l.m.t., observe the sun on the meridian: the resulting lat. is 33° 16', which is the proper lat.

Thence I run

East on a true line bet. secs. 6 and 7.

Ascending rocky W. slope of mountain.

15.00 Top of ascent, brs. NW. and SE. Begin descent.

20.00 Head of dry drain, course SW. Foot of descent; begin ascent.

True point for 1/4 sec. cor. bet. secs. 6 and 7 will fall on unstable ground on steep slope; impracticable to set cor.; therefore at

29.70 Set an iron post for W.C. to the 1/4 sec. cor., with cap stamped

1/4 S 6 in N. half
S 7 W C 1912 in S. half

Build a mound of stone 2 ft. base, 1. ft. high, N. of cor.

35.00 Top of Estrella Mountains, bearing NW. and SE. Begin descent over NE. slope.

37.47 True point for 1/4 sec. cor. falls on steep slope.

75.00 Dry drain, course N. 20° W.

77.47 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous. (Barren, 77.47 chs.)
Soil, rocky, 4th rate.
No timber.

Feb. 7, 1912.

Feb. 8, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on the lat. arc, 15° 14' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 5, 6, 7 and 8.

Thence I run

N. 0° 03' W. on a random line bet. secs. 5 and 6.

40.00 Set temp. 1/4 sec. cor.

Subdivision of T. 2 S., R. 1 E.

Chains

80.25 Falls 7 lks. W. of the cor. of secs. 5, 6, 31 and 32, on N. bdy. of Tp., previously described.

Feb. 8, 1912. At this cor., I set off 15° 12' S. on the decl. arc, and at 12h 14m 19s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 17', which is within one minute of the proper lat.

Thence I run

South on a true line bet. secs. 5 and 6.

Ascending steep rocky N. slope.

2.50 Top of ridge, brs. NE. and SW. Thence gradual ascent along E. slope of ridge.

15.48 Top of ascent, brs. NE. and SW. Begin steep descent into canyon.

22.00 Dry drain, in canyon, course NE. Foot of descent; begin steep ascent.

40.25 True point for 1/4 sec. cor. bet. secs. 5 and 6, falls on rocky ledge; impracticable to set cor.; therefore at

42.80 Set an iron post for W.C. to the 1/4 sec. cor. bet. secs. 5 and 6, with cap stamped

1/4 S 6 in W. half
S 5 in E. half
W C 1912 in S.

Build a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

53.52 Top of ascent, brs. N. 30° W. and S. 30° E. Thence gradual descent, along W. slope of ridge.

65.00 Head of dry drain, course N. 60° W.

80.25 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous. (Barren, 80.25 chs.)
Soil, rocky, 4th rate.
No timber.

Feb. 8, 1912.

Meanders of Left bank of Gila River,
down stream.

I commence at the M.C. which is also the cor. of secs. 6 and 7, T. 2 S., R. 2 E., North 8.30 chs. from the C.C. of secs. 1 and 12.

Thence I run with meanders in sec. 1, down stream.

Over level land, through dense brush.

N. 21° 00' W., 6.80 chs. To iron post set for angle point (mhd. A P 1912).

N. 5° 30' E., 5.62 " To 1/16 M.C. of frac. sec. 1, N. 89° 55' E., 24.20 chs. from the 1/16 sec. cor. No. 11, in the center of the SE 1/4 of sec. 1.

Subdivision of T. 2 S., R. 1 E.

Chains

N. 53° 30' E., 1.44 chs. To H.C. of frac. secs. 1 and 6,
S. 19.00 chs. from the ~~xxxxxx~~
1/4 sec. cor. on the W. bdy. of
sec. 1.

Land, level.
Soil, 2nd rate.
No timber.
Brush, greasewood and palo verde.

Jan. 13, 1912.

GENERAL DESCRIPTION.

With the exception of secs. 1, 2, and 12, this town-
ship consists of very rough, rocky, and mountainous land,
entirely barren of any vegetation, and practically worthless
unless it be for undiscovered minerals therein.

The soil of the bottom land along the Santa Cruz Wash
and Gila River is of alkali and adobe, second rate, and
would be suitable for agricultural purposes if there was
sufficient water obtainable for irrigation.

There is no timber in the township, except scattered
palo verde and mesquite; with dense greasewood, iron-
wood and arrow weed along the Gila River.

There is an Indian village in sec. 1.

R. A. Farmer,

Topographer,

List of Assistants:

- F. E. Joy, Instrumentman
- Frank Brewis, Chainman
- W. Watson Pickrell, Chainman
- C. M. Leedy, Chainman & Axeman
- Frank Strong, Chainman & Axeman
- T. H. Biedenkepf, Flagman
- Wm. H. Cooper, Moundsman & Axeman

Washington, D.C., *June 17,* 1915.

I hereby certify that the survey of the subdivision lines of T. 2 S., R. 1 E., within the Gila River Indian Reservation, Arizona, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated Oct. 11, 1910, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Drumright

Topographer in Charge
of Indian Surveys.

CERTIFICATE OF ASSISTANTS.

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 _____

For oaths of assistants, see Book "B" (township exteriors and reservation boundary)

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.

Table with columns: NAME, PERIOD OF SERVICE (BEGUN, ENDED), CAPACITY. Includes handwritten entries like 'e' and 'PS'.

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

BOOK 33

FINAL OATH OF UNITED STATES SURVEYOR.

I, _____, 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 _____

For oath of U. S. Surveyor, see Book "B" (township exteriors and reservation boundary)

_____ 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 accordance 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 COMMISSIONER OF THE GENERAL LAND OFFICE
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Washington, D.C., July 29, 1919

The foregoing field notes of the survey of subdivision lines of T. 2 S., R. 1 E., Gila & Salt River Meridian (within the Gila River Indian Reservation) Arizona,

executed by R. A. Farmer, U.S. Surveyor, under direction of A. F. Dunnington, Topographer in Charge of Indian Surveys Oct. 11, _____, 191 _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman
Commissioner of the General Land Office

I certify that the foregoing transcript of the field notes of the above-described surveys in the Gila River Ind. Res'n, Ariz., has been correctly copied from the original notes on file in this office.

Clay Tallman
U. S. Surveyor General
Commissioner of the General Land Office