

BOOK 513
FIELD NOTES

OF ~~RE-SURVEY OF~~ THE

Independent RESURVEY OF

Subdivision and Meander Lines

in

TOWNSHIP 4 SOUTH RANGE 6 EAST

Within the Gila River Indian Reservation

Of the Gila & Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Guy P. Harrington

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, , 1911, pursuant to authority contained in the Act of~~

~~Congress dated , 1911~~

Survey commenced April 20, 1911

Survey completed April 27, 1911

BOOK 3478

INDEX DIAGRAM.

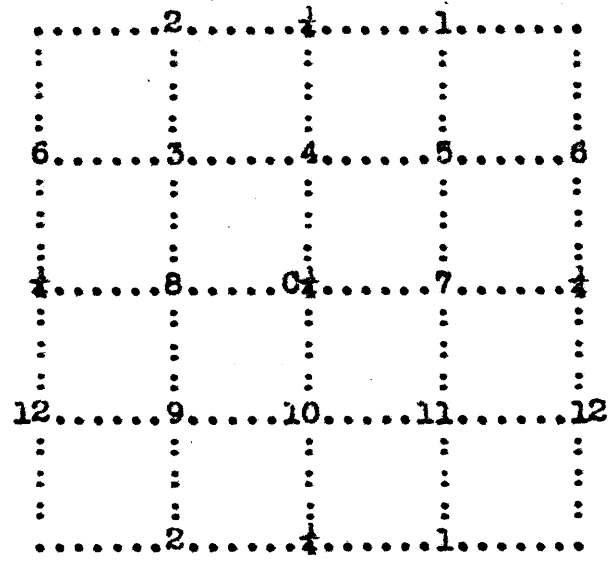
Township 4 South, Range 8 East

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right bank
 Meanders of Gila River, Pages 79+80
 Meanders left bank of Gila River, Pg. 79.

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Diagram of a section showing position of
1/16 sec. cors.



Subdivision of T. 4 S., R. 8 E.

Chains

Survey commenced April 20, 1911, by Guy P. Harrington, U. S. Surveyor, and executed with Young & Sons light mountain transits, Nos. 8388 and 8394, with solar attachments. The horizontal limbs are 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.

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 instruments were tested on a meridian at camp in T. 4 S., R. 8 E., and found to be in correct adjustment.

The SW. cor. of this township is in Lat. 33° 02' N., Long. 111° 35' W.

April 19, 1911. At my camp in sec. 31, T. 4 S., R. 8 E., at 7h 30m p.m., l.m.t., I observe Polaris in position and lay the line of sight upon the ground.

Astr. l.m.t.	U. C. Polaris, April 18,	23h 40.2m
Astr. l.m.t.	Time of observation, April 19, 7h 30m	
	which reduced to April 18,	<u>31h 30.0m</u>
	Hour Angle	7h 49.8m

From Table VII, the corresponding azimuth is 1° 13' W.

April 20, 1911. I lay off 1° 13' to the E. of the line of observation of Polaris, and mark the meridian by centered hubs.

April 20, 1911. At 8 a.m., l.m.t., I set off 33° 02' on the lat. arc, 11° 18' N. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 31 and 32, on S. bdy. of Tp., previously described.

Thence I run

N. 0° 01' E. bet. secs. 31 and 32.

Over cultivated fields.

- 2.00 Wire fence, brs. N. 60° W. and S. 60° E.
- 10.00 Lateral ditch in field, brs. N. 60° W. and S. 60° E., turns and follows fence about 1.00 ch. W. of line, bearing N. 30° E. and S. 30° W.
- 12.00 Wire fence, brs. N. 30° W. and S. 30° E.
- 12.50 Wire fence, brs. N. 60° W. and S. 60° E.
- 13.00 Lateral ditch, brs. N. 60° W. and S. 60° E.
- 13.10 Road, brs. N. 60° W. and S. 60° E.
- 13.50 Wire fence, brs. N. 60° W. and S. 60° E., also fence brs. N. 30° E. and S. 30° W.
- 20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 31 and 32 (S $\frac{1}{2}$), stamped in cap

1/16 S 31 in W.

Subdivision of T. 4 S., R. 8 E.

Chains

S 32 in E.
No 12 1911 in S., from which

A willow 18 ins. dia. brs. S. 24° W., 147 lks. dist.

Mkd. 1/16 S 31 B T.

A cottonwood 24 ins. dia. brs. N. 54° W., 155 lks. dist.

Mkd. 1/16 S 31 B T.

An old Indian cabin, brs. S. 80° W., 125 lks. dist.

23.50 Wire fence and lateral ditch, brs. N. 30° E. and S. 30° W.

26.00 Lateral ditch, brs. N. 60° W. and S. 60° E.

Indian cabin, brs. W., 2.00 chs. dist.

29.80 Left bank of Gila River.

Set an iron post for M.C. bet. secs. 31 and 32, stamped in cap

M C in N.

T 4 S S 31 in SW. quadrant

R 8 E S 32 in SE. quadrant

1911 in S.

5 notches on E. edge, from which

A cottonwood 3 ins. dia. brs. S. 39° 30' E., 325 lks. dist.

Mkd. T 4 S R 8 E S 32 M C B T.

A cottonwood 10 ins. dia. brs. N. 27° W., 76 lks. dist.

Mkd. T 4 S R 8 E S 31 M C B T.

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

40.00 Point for 1/4 sec. cor. bet. secs. 31 and 32 falls in bed of Gila River.

60.00 Point for 1/16 sec. cor. No. 6, bet. secs. 31 and 32 (N 1/2) falls in bed of Gila River.

80.00 Set temp. point for the cor. of secs. 29, 30, 31 and 32, in bed of Gila River.

Land, level. 29.80 chs. cultivated.

Soil, sandy loam and river silt.

50.20 chs. of Gila River bed.

From the 1/16 sec. cor. No. 12, bet. secs. 31 and 32 (S 1/2), I run

S. 89° 56' W. on a random line through the middle of the S. half of sec. 31, setting temp. cors. at intervals of 20.00 chs.

80.04 Falls 5 lks. N. of 1/16 sec. cor. No. 12, of sec. 31 (S 1/2) on W. bdy. of Tp., previously described.

Thence I run

N. 89° 54' E. on a true line through the middle of the S. half of sec. 31.

Over level land, through open brush.

1.50 Wire fence, brs. NW. and SE.

Enter cultivated field.

Subdivision of T. 4 S., R. 8 E.

Chains

- 7.00 Lateral ditch, brs. N. 30° E. and S. 30° W.
- 14.00 Lateral ditch, brs. N. 60° W. and S. 60° E.
- 16.00 Lateral ditch, brs. N. 30° E. and S. 30° W.
- 20.01 Set an iron post for 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 31, with cap stamped
- 1/16 S 31 in center
No 9 1911 in S.
- Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 21.00 Wire fence, brs. N. 30° E. and S. 30° W.
- 28.00 Wire fence, brs. N. 30° E. and S. 30° W.
- 34.00 Lateral ditch, brs. N. 60° W. and S. 60° E.
- 34.50 Same lateral ditch, brs. N. 30° E. and S. 30° W.; also wire fence, brs. N. 30° E. and S. 30° W.
- 38.00 Lateral ditch, brs. N. 60° E. and S. 60° W.
- 40.02 Set an iron post for 1/16 sec. cor. No. 10, bet. the SW. and SE. quarters of sec. 31, stamped in cap
- 1/16 S 31 in center
No 10 1911 in S., from which
- A mesquite 16 ins. dia. brs. S. 40° 45' E., 158 lks. dist.
Mkd. 1/16 S 31 B T.
- 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.
- 41.00 Lateral ditch and wire fence, brs. N. 30° E. and S. 30° W.
- 50.00 Lateral ditch, brs. N. 60° W. and S. 60° E.
- 54.00 Lateral ditch, brs. N. 30° E. and S. 30° W.
- Wire fences bear N. 30° E. and S. 30° W. and N. 60° W.
- 55.00 Indian cabin, brs. S., 1.00 ch. dist.
- 60.03 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$ of sec. 31, stamped in cap
- 1/16 S 31 in center
No 11 1911 in S., from which
- A cottonwood 4 ins. dia. brs. N. 35° 30' E., 222 lks. dist.
Mkd. 1/16 S 31 B T.
- 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.
- 60.50 Lateral ditch and wire fence, brs. N. 30° E. and S. 30° W.
- 66.00 Lateral ditch, brs. N. 30° E. and S. 30° W.
- Indian cabin, brs. N. 1.00 ch. dist.

Subdivision of T. 4 S., R. 8 E.

Chains

- 69.00 Wire fence, brs. N. 60° W. and S. 60° E.
 69.20 Lateral ditch, brs. S. 60° E. and N. 60° W. and N. 45° W.
 70.00 Road, brs. N. 60° W. and S. 60° E.
 71.00 Wire fence, brs. N. 60° W. and S. 60° E.
 73.00 Road, brs. N. and S.
 74.00 Wire fence, brs. N. 30° W. and S. 30° E.
 78.00 Lateral ditches bear N. 30° E. and S. 30° W. and N. 60° W.;
 fence, parallel to ditches.
 80.04 The 1/16 sec. cor. No. 12, bet. secs. 31 and 32 (S $\frac{1}{2}$).
 Land, level and cultivated.
 Soil, sandy loam, 1st rate.
 Open brush of sage, mesquite and willow, 1.50 chs.

 From the 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$
 of sec. 31, I run

North on a true line through the E. half of sec. 31.

Over level land, through cultivated fields.

- 1.50 Wire fences, bear N. 60° W. and S. 60° E.
 2.00 Wire fence, and lateral ditch, brs. N. 60° W. and S. 60° E.
 5.50 Wire fence, brs. N. 30° E. and S. 30° W.
 7.00 Wire fence and lateral ditch, brs. N. 60° W. and S. 60° E.
 7.10 Road, parallel to above fence.
 14.00 Wire fence and lateral ditch, brs. N. 30° E. and S. 30° W.
 19.70 Left bank of Gila River.

Set an iron post for 1/16 M.C. of sec. 31, stamped in cap

M C in N.

1/16 S 31 1911 in S., from which

A cottonwood 5 ft. dia. brs. S. 66° 30' E., 244 lks. dist.
 Mkd. 1/16 S 31 B T.

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

Land, level and cultivated.

Soil, sandy loam, 1st rate.

 From the 1/16 sec. cor. No. 10, bet. the SE. and SW.
 quarters of sec. 31, I run

North on a true line through the middle of sec. 31.

Over level, cultivated land.

- 8.50 Lateral ditch, brs. N. 60° W. and S. 60° E.
 9.00 Indian cabin, brs. West, 50 lks. dist.

Subdivision of T. 4 S., R. 8 E.

Chains

- 10.00 Fence and lateral ditch brs. NW. and SE.
- 11.50 Wire fence and lateral ditch, brs. N. 30° E. and S. 30° W.
- 16.00 Wire fence and lateral ditch, brs. N. 30° E. and S. 30° W.
- 17.70 Wire fence and lateral ditch, brs. N. 60° W. and S. 60° E.
- 20.00 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 31, stamped in cap

C $\frac{1}{4}$ S 31 in center
1911 in S.

Dig pits 18x18x12 ins. E., W. and S. of post 3 ft.; and N., 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.

- 24.00 Wire fences bear S. 60° E. and S. 30° W., and lateral ditches bear S. 60° E., N. 60° W., and S. 30° W.
- 24.75 Wire fence and lateral ditch, brs. N. 60° W. and S. 60° E.
- 24.85 Road, brs. N. 60° W. and S. 60° E.
- 25.00 Wire fences bear N. 30° E. and S. 60° E. and N. 60° W.
- 32.00 Lateral ditch, brs. N. 60° W. and S. 60° E.
- 36.00 Lateral ditch, brs. N. 60° W. and S. 60° E.
- 38.30 Left bank of Gila River.

Set an iron post for 1/16 M.C. of sec. 31, stamped in cap

M C in N.
1/16 S 31 1911 in S.

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

Land, level and cultivated.
Soil, sandy loam, 1st rate.

From the 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 31, I run

North . . . on a true line through the W. half of sec. 31.

Over cultivated field.

- 5.00 Wire fence, brs. N. 30° W. and S. 60° E.
- 7.00 Wire fence, brs. N. 60° W. and S. 60° E.
- 13.00 Leave cultivated field, brs. N. 30° E. and S. 30° W.

Enter open brush.

- 15.00 Fence, brs. N. 30° E. and S. 30° W.
- 17.00 Wire fence, brs. N. 45° W. and S. 45° E.
- 19.00 Lateral ditch, brs. N. 60° W. and S. 60° E.

20.00 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW. and SW. quarters of sec. 31, stamped in cap

1/16 S 31 in center
No 8 1911 in S.,

Subdivision of T. 4 S., R. 8 E.

Chains

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

20.25 Wire fence, brs. N. 60° W. and S. 60° E. Leave open brush, and enter cultivated field.

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

23.00 Wire fence, brs. N. 30° E. and S. 30° W., which is the E. bdy. of Indian school ground. School house, brs. West 1.00 ch. dist.

23.70 Wire fence, brs. N. 60° W. and S. 60° E.

28.00 Main lateral ditch and wire fence, brs. N. 60° W. and S. 60° E.

Leave school grounds.

32.00 Lateral ditch and wire fence, brs. N. 60° W. and S. 60° E.

36.00 Wire fence, brs. N. 30° E. and S. 30° W.

39.20 Wire fence, brs. N. 60° W. and S. 60° E.

39.60 Main lateral ditch, brs. N. 60° W. and S. 60° E.

40.00 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW 1/4 of sec. 31, stamped in cap

1/16 S 31 in center
No 3 1911 in S.

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

Leave cultivated field.

47.80 Road, brs. NW. and SE.

48.15 Left bank of Gila River.

Set an iron post for 1/16 M.C. of sec. 31, stamped in cap

1/16 S 31 1911 in S.
M C in N., from which

A cottonwood 5 ft. dia. brs. N.85°45'W., 84 lks. dist. Mkd. 1/16 S 31 M C B T.

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

Land level; 32.75 chs. cultivated.

Soil, sandy loam, 1st rate.

Open brush of sage, mesquite and greasewood, 7.25 chs.

From the temp. point for the cor. of secs. 29, 30, 31 and 32, in bed of Gila River, I run

N. 0° 01' E. bet. secs. 29 and 30.

Over river bed.

11.15 Right bank of Gila River.

Set an iron post for M.C. of secs. 29 and 30, stamped in

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Subdivision of T. 4 S., R. 8 E.

Chains

cap

M C in S.
T 4 S S 29 in NE. quadrant
R 8 E S 30 in NW. quadrant
1911 in S.
5 notches on E. edge, from which

A cottonwood 8 ins. dia. brs. S. 86° 30' W., 26 lks. dist.
Mkd. T 4 S R 8 E S 30 M C B T.

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

Leave river bed; enter cultivated field.

14.00 Wire fence and lateral ditch, brs. N. 60° W. and S. 60° E.

16.00 Wire fence and lateral ditch, bear N. 30° E. and S. 30° W.

16.50 Wire fence, and lateral ditch, bear N. 60° W. and S. 60° E.

18.00 Wire fence brs. N. 60° W. and S. 60° E.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 29 and 30 (S $\frac{1}{2}$), stamped in cap

1/16 S 30 in W.
S 29 in E.
No 12 1911 in S., from which

A cottonwood 5 ins. dia. brs. S. 56° W., 229 lks. dist.
Mkd. 1/16 S 30 B T.

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.

22.00 Wire fence, brs. N. 30° E. and S. 30° W.

34.00 Wire fence, brs. N. 60° W. and S. 60° E.

36.00 Wire fence, brs. N. 30° E. and S. 30° W.

36.10 Main road, brs. N. 30° E. and S. 30° W.

37.00 Fence, brs. N. 30° E. and S. 30° W.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 29 and 30, stamped in cap

$\frac{1}{4}$ S 30 in W.
S 29 in E.
1911 in S.

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.

41.00 Wire fence, brs. N. 60° W. and S. 60° E.

48.00 Descend vertical out bank 4 ft. high, brs. N. 60° W. and S. 60° E.

48.10 Lateral ditch, brs. N. 60° W. and S. 60° E.

Enter small Indian village, comprising huts of six families E. and W. of line respectively.

50.00 Indian hut on line.

52.50 Indian hut on line.

Subdivision of T. 4 S., R. 8 E.

Chains

Leave village and enter rolling rocky land, through open brush.

53.00 Fence, brs. N. 45° W. and S. 45° E.

54.00 Road, brs. N. 45° W. and S. 45° E.

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

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 29 and 30 (N $\frac{1}{2}$), stamped in cap

1/16 S 30 in W. half
S 29 in E. half
No 6 1911 in S.

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.

Walker's butte brs. N. 77° 40' E., about 3 miles dist.

72.00 Wash, course SW.

75.00 Road, brs. NE. and SW.

80.00 Set an iron post for the cor. of secs. 19, 20, 29 and 30, stamped in cap

T 4 S S 20 in NE. quadrant
R 8 E S 29 in SE. quadrant
S 30 in SW. quadrant
S 19 in NW. quadrant
1911 in S.

2 notches on S. and 5 notches on E. edge,

from which

A palo verde 8 ins. dia. brs. N. 39 $\frac{1}{2}$ ° W., 189 lks. dist.
Mkd. T 4 S R 8 E S 19 B T.

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.

Cor. falls on left bank of large wash, course SW.

Land, level. 52.50 chs. cultivated. 27.40 chs. rolling and rocky.

Soil, sandy loam, 1st rate, and gravelly, 3rd rate.
Open brush of sage, palo verde, chaparral and palo fierro, 27.40 chs.

From the cor. of secs. 19, 20, 29 and 30, I run

S. 89° 56' W. on a random line bet. secs. 19 and 30, setting temp. cors. at intervals of 20.00 chs.

80.12 Falls 12 lks. N. of the cor. of secs. 19 and 30, on W. bdy. of Tp., previously described.

Thence I run

N. 89° 51' E. on a true line bet. secs. 19 and 30.

Over cultivated field.

Subdivision of T. 4 S., R. 8 E.

Chains

- 14.00 Wire fence, brs. N. 30° E. and S. 30° W.
Leave cultivated field and enter dense brush.
- 20.03 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 19 and 30 (W $\frac{1}{2}$) stamped in cap

1/16 S 19 in N.
S 30 No 2 1911 in S.

Dig pits 18x16x12 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.
- 23.50 Wash, course SW.
- 24.50 Wire fence, brs. N. 30° E. and S. 30° W.
- 27.00 Leave dense brush and enter open brush, brs. N. and S.
- 28.50 Indian cabin on line.

Village of five cabins, brs. South from 1 to 4 chs. dist.
- 30.00 Wire fence, brs. N. 60° W. and S. 60° E.
- 33.00 Road, brs. N. 60° W. and S. 60° E.
- 40.06 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 19 and 30, stamped in cap

 $\frac{1}{4}$ S 19 in N.
S 30 1911 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.
- 60.09 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 19 and 30 (E $\frac{1}{2}$), stamped in cap

1/16 S 19 in N.
S 30 No 1 1911 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.
- 72.50 Large wash, course SW.
- 80.12 The cor. of secs. 19, 20, 29 and 30.

Land, level; 14.00 chs. cultivated.
Soil, sandy loam, 1st rate.
Open and dense brush of willow, mesquite, greasewood, sage and chaparral, 66.10 chs.

- From the 1/16 sec. cor. No. 2, bet. secs. 19 and 30 (W $\frac{1}{2}$) I run

South on a true line through the W. half of sec. 30.

Over level land, through dense brush.
- 3.50 Wash, course SW.
- 4.00 Leave dense brush and enter open brush, brs. E. and W.
- 7.50 Wire fence, brs. N. 60° W. and S. 60° E.

Subdivision of T. 4 S., R. 8 E.

Chains

Enter cultivated field.

9.50 Wire fence, brs. N. 30° E. and S. 30° W.

18.00 Lateral ditch, brs. N. 60° W. and S. 60° E.

18.20 Right bank of Gila River.

Set an iron post for 1/16 M.C. of sec. 30, stamped in cap

M C 1911 in S.
1/16 S 30 in N., from which

A cottonwood 4 ins. dia. brs. S. 5° 30' E., 16 lks. dist.
Mkd. 1/16 S 30 M C B T.

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

Land, level; 10.70 chs. cultivated.

Soil, sandy loam, 1st rate.

Open brush of sage, chaparral, mesquite and greasewood,
7.50 chs.

From the 1/4 sec. cor. bet. secs. 19 and 30, I run

South on a true line through the middle of sec. 30.

Over level land, through open brush.

4.00 Forks of road, bear E. to N. 60° W., and N. 45° W.

5.00 Wire fence, brs. NE. and SW.

8.50 Old brush fence, brs. N. 60° W. to wire fence, 60 lks. NW. of line, which fence brs. NE. and SW.

Enter cultivated field.

20.00 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 30, stamped in cap

1/16 S 30 in center
No 4 1911 in S.

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

28.00 Wire fence, brs. N. 60° W. and S. 60° E.

32.00 Wire fence, brs. N. 30° E. and S. 30° W.

32.20 Lateral ditch, brs. N. 60° W. and S. 60° E.

Old fence, parallel to above.

40.00 Set an iron post for center 1/4 sec. cor. of sec. 30, stamped in cap

C 1/4 S 30 in center
1911 in S.

Dig pits 18x18x12 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.

Subdivision of T. 4 S., R. 8 E.

Chains

42.00 Wire fence, brs. N. 30° E. and S. 30° W.
 49.00 Wire fence, brs. N. 60° W. and S. 60° E., along low bank.
 Leave cultivated field; enter open brush and scattered cottonwood timber.

57.00 Wire fence, brs. N. 60° W. and S. 60° E.
 60.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 30, stamped in cap

1/16 S 30 in center
 No 10 1911 in S., from which

A cottonwood 12 ins. dia. brs. S. 70° E., 45 lks. dist.
 Mkd. 1/16 S 30 B T.

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

Enter dense willow brush.

65.60 Right bank of Gila River.

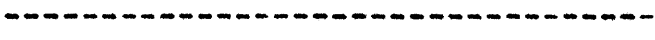
Set an iron post for 1/16 M.C. of sec. 30, stamped in cap

M C 1911 in S.
 1/16 S 30 in N., from which

A cottonwood 3 ft. dia. brs. N. 75° 30' W., 69 lks. dist.
 Mkd. 1/16 S 30 M C B T.

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

Land, level; 40.50 chs. cultivated.
 Soil, sandy loam, 1st rate
 Open and dense brush of sage, mesquite, willow and scattered cottonwood timber, 25.10 chs.



From the 1/16 sec. cor. No. 1, bet. secs. 19 and 30 (E½), I run

South on a true line through the E. half of sec. 30.

Over level land, through open brush.

8.00 Wash, course SW.

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

16.00 Road, brs. NE. and SW.

20.00 Set an iron post for the 1/16 sec. cor. No. 5, in the center of the NE¼ of sec. 30, stamped in cap

1/16 S 30 in center
 No 5 1911 in S.

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

23.50 Road, brs. SE. and NW.

Subdivision of T. 4 S., R. 8 E.

Chains

- 24.50 Wire fence, brs. SE. and NW.
 - 32.00 Leave brush, brs. N. 60° W. and S. 60° E. Enter cultivated field.
 - 34.00 Wire fence, brs. N. 30° E. and S. 30° W.
 - 40.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE. and SE. quarters of sec. 30, stamped in cap
 1/16 S 30 in center
 No 7 1911 in S.

 Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
 - 45.50 Wire fence, brs. N. 30° E. and S. 30° W.
 - 52.00 Lateral ditch and wire fence, brs. N. 50° W. and S. 50° E.
 - 60.00 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE¼ of sec. 30, stamped in cap
 1/16 S 30 in center
 No 11 1911 in S., from which

 A mesquite 12 ins. dia. brs. S. 18° 45' E., 18 lks. dist. Mkd. 1/16 S 30 B T.

 Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
 - 61.58 Right bank of Gila River.

 Set an iron post for 1/16 M.C. of sec. 30, stamped in cap
 M C 1911 in S.
 1/16 S 30 in center

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

 Land, level; 29.58 chs. cultivated.
 Soil, sandy loam, 1st rate.
 Open brush of sage, mesquite and chaparral, 32.00 chs.
-
- From the 1/16 sec. cor. No. 4, bet. frac. NE. and NW. quarters of sec. 30, I run

 S. 89° 51' W. on a true line through the NW¼ of sec. 30.

 Over level land, through scattered brush.
 - 10.00 Wire fence, brs. N. 60° W. and S. 60° E.
 - 11.00 Lateral ditch, brs. N. 30° W. and S. 30° E.

 Enter cultivated field.
 - 12.50 Wire fence, brs. N. 30° E. and S. 30° W.
 - 14.55 Right bank of Gila River.

 Set an iron post for 1/16 M.C. of sec. 30, stamped in cap

Subdivision of T. 4 S., R. 8 E.

Chains

M C in W.
1/16 S 30 in E.
1911 in S.

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

Land, level and irrigable; 5.55 chs. under cultivation.
Soil, sandy loam, 1st rate.
11.00 chs. scattered brush.

April 20, 1911. At the cor. of secs. 19, 20, 29 and 30, I set off 11° 20' N. on the decl. arc, and at apparent noon, observe the sun on the meridian; the resulting lat. is 33° 04', which is the proper lat.

From the cor. of secs. 19, 20, 29 and 30, I run N. 0° 01' E. bet. secs. 19 and 20.

Over level land, through open brush, entering wash.

1.50 Leave wash, course SW.

14.00 Wash, course SW.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 19 and 20 (S $\frac{1}{2}$) stamped in cap

1/16 S 19 in W. half
S 20 in E. half
No 12 1911 in S.

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.

22.00 Wash, course SW.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20, stamped in cap

$\frac{1}{4}$ S 19 in W. half
S 20 in E. half
1911 in S.

Dig puts 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.

42.00 Wash, course SW.

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 19 and 20 (N $\frac{1}{2}$), stamped in cap

1/16 S 19 in W. half
S 20 in E. half
No 6 1911 in S.

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.

80.00 Set an iron post for the cor. of secs. 17, 18, 19 and 20, stamped in cap

Subdivision of T. 4 S., R. 8 E.

Chains

T 4 S S 17 in NE. quadrant
R 8 E S 20 in SE. quadrant
S 19 in SW. quadrant
S 18 in NW. quadrant

1911 in S.

3 notches on S. and 5 notches on E. edge

Dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sandy loam, 1st rate.

Open brush of sage, mesquite, chaparral, and palo verde, full distance.

From the cor. of secs. 17, 18, 19 and 20, I run

S. 89° 51' W. on a random line bet. secs. 18 and 19, setting temp. cors. at intervals of 20.00 chs.

80.00 Falls 2 lks. S. of the cor. of secs. 18 and 19, on W. bdy. of Tp., previously described.

Thence I run

N. 89° 52' E. on a true line bet. secs. 18 and 19.

Over level land, through open brush.

14.00 Wash, course SW.

20.00 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 18 and 19 (W½), stamped in cap

1/16 S 18 in N. half
S 19 No 2 1911 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.

40.00 Set an iron post for the ¼ sec. cor. bet. secs. 18 and 19, stamped in cap

¼ S 18 in N. half
S 19 1911 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.

42.00 Road, brs. N. and S.

60.00 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 18 and 19 (E½) stamped in cap

1/16 S 18 in N. half
E 19 No 1 1911 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.

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

74.00 Wash, course S. 60° W.

Subdivision of T. 4 S., R. 8 E.

Chains

80.00 The cor. of secs. 17, 18, 19 and 20.

Land, level.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde, and palo fierro, full distance,

From the 1/16 sec. cor. No. 12, bet. secs. 19 and 20 (S $\frac{1}{2}$)
I run

S. 89° 51' W. on a random line through the S. half of sec. 19, setting temp. cors. at intervals of 20.00 chs.

80.04 Intersect the 1/16 sec. cor. No. 12, of sec. 19, (S $\frac{1}{2}$) on W. bdy. of Tp., previously described.

Thence I run

N. 89° 51' E. on a true line through the S. half of sec. 19.

Over level land, through open brush.

5.00 Road, brs. NE. and SW.

9.00 Wash, course SW.

20.01 Set an iron post for 1/16 sec. cor. No. 9, in center of the SW $\frac{1}{4}$ of sec. 19, stamped in cap

1/16 S 19 in center
No 9 1911 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.

26.00 Wash, course SW.

38.00 Road, brs. from S. to N. and NE.

40.02 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 19, stamped in cap

1/16 S 19 in center
No 10 1911 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.

42.00 Wash, course S.

46.00 Wash, course SW.

58.00 Wash, course SW.

60.03 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$ of sec. 19, stamped in cap

1/16 S 19 in center
No 11 1911 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.

68.00 Wash, course S.

Subdivision of T. 4 S., R. 8 E.

- Chains
- 79.00 Wash, course SW.
 - 80.04 The 1/16 sec. cor. No. 12, bet. secs. 19 and 20 (S $\frac{1}{2}$).
 Land, level.
 Soil, sandy, 2nd rate.
 Open brush of chaparral, palo verde and palo fierro, full distance.

 From the $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20, I run
 S. 89° 51' W. on a random line through the middle of sec. 19, setting temp. cors. at intervals of 20.00 chs.
 - 80.00 Falls 2 lks. S. of the $\frac{1}{4}$ sec. cor. of sec. 19, on W. bdy. of Tp., previously described.
 Thence I run
 N. 89° 52' E. on a true line through the middle of sec. 19.
 Over level land, through open brush.
 - 7.00 Road, brs. N. and S.
 - 19.00 Wash, course S.
 - 20.00 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW. and SW. quarters of sec. 19, stamped in cap

1/16 S 19 in center
 No 8 1911 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.
 - 26.00 Road, brs. NE. and SW.
 - 38.50 Road, brs. N. and S.
 - 39.00 Wash, course S.
 - 40.00 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 19, stamped in cap

C $\frac{1}{4}$ S 19 in center
 1911 in S.

 Dig pits 18x18x12 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.
 - 42.00 Wash, course SW.
 - 54.50 Road, brs. NE. and SW.
 - 60.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE. and SE. quarters of sec. 19, stamped in cap

1/16 S 19 in center
 No 7 1911 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.
 - 80.00 The $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20.

Subdivision of T. 4 S., R. 8 E.

Chains

Land, level.
Soil, sandy loam, 1st rate.
Open brush of chaparral, palo verde and palo fierro.

From the 1/16 sec. cor. No. 6, bet. secs. 19 and 20 (N $\frac{1}{2}$)
I run

S. 89° 51' W. on a random line through the N. half of
sec. 19, setting temp. cors. at intervals of 20.00 chs.

80.00 Falls 2 lks. S. of the 1/16 sec. cor. No. 6, of sec. 19
(N $\frac{1}{2}$), on W. bdy. of Tp., previously described.

Thence I run

N. 89° 52' E. on a true line through the middle of the
N. half of sec. 19.

Over level land, through open brush.

1.50 Road, brs. NW. and SE.

8.00 Wash, course SW.

10.00 Road, brs. N. and S.

19.80 Dim road, brs. N. 60° E. and S. 60° W.

20.00 Set an iron post for 1/16 sec. cor. No. 3, in the center
of the NW $\frac{1}{4}$ of sec. 19, stamped in cap

1/16 S 19 in center
No 3 1911 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.

22.00 Wash, course SW.

25.00 Wash, course SW.

39.80 Road, brs. N. and S.

40.00 Set an iron post for the 1/16 sec. cor. No. 4, bet. the
NE. and NW. quarters of sec. 19, stamped in cap

1/16 S 19 in center
No 4 1911 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.

42.00 Road, brs. NE. and SW.

60.00 Set an iron post for 1/16 sec. cor. No. 5, in the center
of the NE $\frac{1}{4}$ of sec. 19, stamped in cap

1/16 S 19 in center
No 5 1911 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.

69.00 Road, brs. NE. and SW.

Subdivision of T. 4 S., R. 8 E.

Chains

80.00 The 1/16 sec. cor. No. 6, bet. secs. 19 and 20 (N $\frac{1}{2}$).

Land, level.
Soil, sandy loam, 1st rate.
Open brush of sage, chaparral and palo verde, full dist.

April 21, 1911. At 8 a.m., l.m.t., I set off 11° 38' N. on the decl. arc, 33° 04' on the lat. arc, and determine a meridian with the solar, at the cor. of secs. 17, 18, 19 and 20.

Thence I run

N. 0° 01' E. bet. secs. 17 and 18.

Over stony and broken land, through open brush.

9.00 Road, brs. NE. and SW.

14.00 Wash, course SW.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 17 and 18, stamped in cap

$\frac{1}{4}$ S 18 in W. half
S 17 in E. half
1911 in S.

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.

44.00 Begin ascent of south slope of mountain.

60.00 Top of ascent of E. slope of mountain. Thence along rocky E. slope, bearing N. and S.

80.00 Set an iron post for the cor. of secs. 7, 8, 17 and 18, stamped in cap

T 4 S S 8 in NE. quadrant
R 8 E S 17 in SE. quadrant
S 18 in SW. quadrant
S 7 in NW. quadrant
1911 in S.

4 notches 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, broken and mountainous.
Soil, stony, 3rd rate.

Open brush of chaparral, palo verde and palo fierro, full distance.

From the cor. of secs. 7, 8, 17 and 18, I run

S. 89° 52' W. on a random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor. bet. secs. 7 and 18.

80.02 Falls 2 lks. N. of the cor. of secs. 7 and 18, on W. bdy. of Tp., previously described.

Thence I run

Subdivision of T. 4 S., R. 8 E.

Chains

N. 89° 51' E. on a true line bet. secs. 7 and 18.

Over mountainous land, through open brush.

8.00 Dim road, brs. N. 30° E. and S. 30° W.

22.00 Wash, course S. 30° W.

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

30.00 Dim road, brs. NW. and SE.

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

40.01 Set an iron post for the ¼ sec. cor. bet. secs. 7 and 18, stamped in cap

¼ S 7 in N. half
S 18 1911 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.

60.00 Begin ascent of mountain, brs. NW. and SE.

64.50 Top of ascent of NW. spur of mountain.

79.50 Top of ridge, brs. N. and S.

80.02 The cor. of secs. 7, 8, 17 and 18.

Land, mountainous.
Soil, stony, 3rd rate.
Open brush of palo verde, and chaparral, full distance.

From the ¼ sec. cor. bet. secs. 13 and 19, I run North on a random line through the middle of sec. 18.

40.00 Set temp. center ¼ sec. cor.

79.94 Intersect the ¼ sec. cor. bet. secs. 7 and 18.

From the ¼ sec. cor. bet. secs. 17 and 18, I run S. 89° 52' W. on a random line through the middle of sec. 18.

39.97 Falls 3 lks. S. of temp. center ¼ sec. cor.

79.98 Falls 4 lks. N. of the ¼ sec. cor. of sec. 18, on W. bdy. of Tp., previously described.

(Point for center ¼ sec. cor. is therefore 5 lks. S. of temp. cor.)

Thence I run

N. 89° 50' E. on a true line through the middle of sec. 18.

Over broken, rocky land, through open brush.

16.00 Wash, course SW.

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

Subdivision of T. 4 S., R. 8 E.

Chains

40.01 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 18, stamped in cap

C $\frac{1}{4}$ S 18 in center
1911 in S.

Dig pits 18x18x12 ins. N., 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.

54.00 Wash, course SW.

79.93 (39.97) The $\frac{1}{4}$ sec. cor. bet. secs. 17 and 18.

Land, broken.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde and palo fierro.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19, thence I run

North on a true line through the middle of sec. 18.

Over broken land, through open brush.

8.00 Road, brs. N. 10° W. and S. 10° E.

39.95 The center $\frac{1}{4}$ sec. cor. of sec. 18.

79.94 (39.99) The $\frac{1}{4}$ sec. cor. bet. secs. 7 and 18.

Land, broken.
Soil, stony, 3rd rate.
Open brush of chaparral, palo verde and palo fierro.

From the cor. of secs. 7, 8, 17 and 18, I run

N. 0° 01' E. on a true line bet. secs. 7 and 8.

Over broken land, through open brush.

0.50 Begin descent from NE. point of mountain.

10.00 Base of descent.

Thence over rolling and broken land.

28.00 Wash, course NW.

35.00 Wash, course NW.

38.00 Road, brs. NE. and SW.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 7 and 8, stamped in cap

$\frac{1}{4}$ S 7 in W. half
S 8 in E. half
1911 in S., from which

A palo verde 10 ins. dia. brs. N.81°45'W., 137 lks. dist.
Mkd. $\frac{1}{4}$ S 7 B T.

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.

Subdivision of T. 4 S., R. 8 E.

Chains

- 42.00 Deep wash, 150 lks. wide, course SW.
- 50.00 Bend in wash, course SE. from NE.
- 60.00 Large rocky gulch, course SW.
- 78.00 Wash, course SW.
- 80.00 Set an iron post 26 ins. in the ground, for the cor. of secs. 5, 6, 7 and 8, stamped in cap

T 4 S S 5 in NE. quadrant
 R 8 E S 8 in SE. quadrant
 S 7 in SW. quadrant
 S 6 in NW. quadrant

1911 in S.
 5 notches on S. and 5 on E. edges

Dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, broken and rocky.
 Soil, stony, 3rd rate.
 Open brush of chaparral, palo verde, palo fierro, full distance.

 From the cor. of secs. 5, 6, 7 and 8, I run
 S. 89° 51' W. on a random line bet. secs. 6 and 7.

- 40.00 Set temp. center ¼ sec. cor.
- 80.00 Intersect the cor. of secs. 6 and 7, on W. bdy. of Tp., previously described.

Thence I run
 N. 89° 51' E. on a true line bet. secs. 6 and 7.

Over broken land, through open land.

- 21.50 Road, brs. N. and S.
- 31.00 Wash, course SW.
- 40.00 Set an iron post for the ¼ sec. cor. bet. secs. 6 and 7, stamped in cap

¼ S 6 in N. half
 S 7 1911 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.

- 48.00 Wash, course S.
- 61.00 Wash, course S.
- 65.00 Wash, course SW.
- 68.00 Wash, course SW.
- 71.00 Wash, course SW.
- 73.00 Wash, course SW.

Subdivision of T. 4 S., R. 8 E.

Chains

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

Land, broken and rolling.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde and palo fierro.

From the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 18, I run
North on a random line through the middle of sec. 7.

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

79.94 Falls 8 lks. E. of the $\frac{1}{4}$ sec. cor. bet. secs. 6 and 7.

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

From the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 8, I run
S. $89^{\circ} 51' W.$ on a random line through the middle of sec. 7.

39.96 Falls 5 lks. S. of temp. center $\frac{1}{4}$ sec. cor.

79.92 Falls 2 lks. S. of the $\frac{1}{4}$ sec. cor. of sec. 7, on W. bdy.
of Tp., previously described.

(Point for center $\frac{1}{4}$ sec. cor. is therefore 4 lks. $S. 0^{\circ} 03' E.$
of temp. cor.)

Thence I run

$N. 89^{\circ} 52' E.$ on a true line through the middle of sec. 7.

Over broken land, through open brush.

17.50 Road, brs. N. and S.

23.00 Wash, course S.

35.00 Wash, course SE.

39.96 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 7,
stamped in cap

C $\frac{1}{4}$ S 7 in center
1911 in S.

Dig pits 18x18x12 ins. E., W. and S. of post 3 ft., and
N. of cor. 7 ft. dist.; and raise a mound of earth 4 ft.
base, 2 ft. high, N. of cor.

52.00 Wash, course S.

74.50 Wash, course S.

78.00 Wash, course SW.

79.92 (39.96) The $\frac{1}{4}$ sec. cor. bet. secs. 7 and 8.

Land, broken and rolling.
Soil, stony and sandy, 3rd rate.
Open brush of chaparral, palo verde, and palo fierro, full
distance.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 18,

Subdivision of T. 4 S., R. 8 E.

Chains

thence I run

N. 0° 03' W. on a true line through the middle of sec. 7.

Over broken, rolling land, through open brush.

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

30.00 Large wash, course SW.

39.96 The center ¼ sec. cor. of sec. 7.

46.00 Wash, course SW.

79.94 (39.98) The ¼ sec. cor. bet. secs. 6 and 7.

Land, rolling and broken.

Soil, stony, 3rd rate.

Open brush of chaparral, palo verde, and palo fierro, full distance.

April 21, 1911. At the cor. of secs. 5, 6, 7 and 8, I set off 11° 41' N. on the decl. arc, and at apparant Noon, observe the sun on the meridian; the resulting lat. is 33° 06', which is the proper lat.

Thence I run

N. 0° 01' E. on a true line bet. secs. 5 and 6.

Over broken land, through open brush.

7.00 Wash, course SW.

32.00 Summit of spur, brs. E. and W.

35.50 Gulch, course SE.

39.50 Summit of ridge, brs. E. and W.

40.00 Set an iron post for the ¼ sec. cor. bet. secs. 5 and 6, stamped in cap

¼ S 6 in W. half
S 5 in E. half
1911 in S.

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

43.50 Gulch, course E.

47.00 Summit of spur on E. end of small peak.

53.00 Gulch, course NE.

79.12 Intersect the N. bdy. of the Gila River Indian Reservation 4.19 chs. S. 89° 58' E., of the old cor. of secs. 5, 6, 31 and 32, which cor. now refers to secs. 31 and 32, E. 3 S., R. 8 E., only.

Set an iron post for the cor. of secs. 5 and 6, stamped in cap

T 4 S S 6 in SW.
R 8 E S 5 in SE.
G R I R 1911 in S.
5 notches on E. and 1 on W. edge

Subdivision of T. 4 S., R. 8 E.

Chains	
	<p>Dig pits 24x24x12 ins. SE. and SW. of post 6 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.</p> <p>Land, broken and rolling. Soil, sandy and stony, 3rd rate. Open brush of chaparral, palo verde, and palo fierro, full distance.</p> <p>-----</p> <p>From the $\frac{1}{4}$ sec. cor. bet. secs. 6 and 7, I run North on a random line through the middle of sec. 6.</p> <p>40.00 Set temp. center $\frac{1}{4}$ sec. cor.</p> <p>79.02 Falls 2 lks. E. of point for $\frac{1}{4}$ sec. cor. of sec. 6, on the reservation bdy., which point is 4.26 chs. E. of the old $\frac{1}{4}$ sec. cor. bet. secs. 6 and 31, which cor. now refers to sec. 31, T. 3 S., R. 8 E., only.</p> <p>Move temp. center $\frac{1}{4}$ sec. cor. 1 lk. W.</p> <p>From the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 6, I run S. 89° 51' W. on a random line through the middle of sec. 6.</p> <p>40.07 Falls 8 lks. S. of temp. center $\frac{1}{4}$ sec. cor.</p> <p>80.12 Falls 4 lks. S. of the $\frac{1}{4}$ sec. cor. of sec. 6, on W. bdy. of Tp., previously described.</p> <p>(Point for center $\frac{1}{4}$ sec. cor. is therefore 6 lks. S. 0° 01' W. of temp. cor.)</p> <p>Thence I run N. 89° 53' E. on a true line through the middle of sec. 6. Over broken, rolling land, through open brush.</p> <p>10.00 Wash, course S.</p> <p>15.00 Wash, course S.</p> <p>23.00 Wash, course SW.</p> <p>28.00 Wash, course SE.</p> <p>29.00 Wash, course SW.</p> <p>34.50 Road, brs. N. 30° E. and S, 30° W.</p> <p>37.00 Large wash, course S. 30° W.</p> <p>40.05 Set an iron post for center $\frac{1}{4}$ sec. cor. of sec. 6, stamped in cap</p> <p style="text-align: center;">C $\frac{1}{4}$ S 6 in center 1911 in S.</p> <p>Build a mound of stone 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor.</p> <p>42.00 Wash, course SW.</p>

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Subdivision of T. 4 S., R. 8 E.

Chains

45.00 Wash, course SW.

61.00 Large wash, course SW.

68.00 Begin ascent of ridge, brs. N. and S.

76.00 Summit of ridge, brs. NW. and SE.

80.12 (40.07) The 1/4 sec. cor. bet. secs. 5 and 6.

Land, broken and rolling.
Soil, stony, and sandy, 2nd rate.
Open brush of chaparral, palo verde, palo fierro, full distance.

Returning to the 1/4 sec. cor. bet. secs. 6 and 7, thence I run

N. 0° 01' W. on a true line through the middle of sec. 6.

Over broken land through open brush.

8.00 Wash, course SW.

38.00 Wash, course SW.

39.94 The center 1/4 sec. cor. of sec. 6.

46.00 Wash, course SW.

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

68.00 Same road, brs. N. 30° E. and S. 30° W.

70.00 Summit of low ridge, brs. E. and W.

79.02 (39.08) Set an iron post for 1/4 sec. cor. of sec. 6, on N. bdy. of Tp., which is also the reservation bdy., 4.26 chs. E. of the 1/4 sec. cor. for sec. 31, T. 3 S., R. 8 E., stamped in cap

1/4 S 6 G R I R 1911 in S.

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, S. of cor.

Land, broken and rolling.
Soil, sandy loam, 1st rate.
Open brush of chaparral, palo verde and palo fierro.

April 21, 1911.

April 22, 1911. At 8 a.m., l.m.t., I set off 33° 02' on the lat. arc, 11° 58' N. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 32 and 33, on S. bdy. of Tp., which cor. falls in the bed of Gila River.

Thence I run

N. 0° 01' E. on a true line bet. secs. 32 and 33.

Over river bed.

Subdivision of T. 4 S., R. 8 E.

Chains:

23.40 Right bank of Gila River.

Set an iron post for M.C. of secs. 32 and 33, stamped in cap

M C 1911 in S.
T 4 S S 33 in NE. quadrant
R 8 E S 32 in NW. quadrant
4 notches on E. edge

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

Leave river bed; thence over level land, through open sage brush.

24.50 Wire fence, brs. N. 60° W. and S. 60° E.
Leave brush; enter cultivated field.

25.50 Lateral ditch, brs. N. 60° W. and S. 60° E.

37.50 Wire fence and lateral ditch, brs. N. 60° W. and S. 60° E.

38.50 Lateral ditch, brs. N. 30° E. and S. 30° W.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 32 and 33, stamped in cap

1/4 S 32 in W. half
S 33 in E. half
1911 in S., from which

A mesquite 6 ins. dia. brs. N. 10° E. 98 lks. dist.
Mkd. 1/4 S 33 B T.

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

42.50 Leave cultivated field, brs. N. 60° W. and S. 60° E.

Enter open brush.

44.00 Wire fence, brs. N. 60° W. and S. 60° E.

44.50 Main lateral ditch, brs. N. 60° W. and S. 60° E.

55.50 Wire fence, and lateral ditch, brs. N. 30° E. and S. 30° W.

Leave open brush; enter cultivated field.

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 32 and 33 (N 1/2), stamped in cap

1/16 S 32 in W. half
S 33 in E. half
No 6 1911 in S.

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

67.00 Lateral ditch, brs. N. 30° W. and S. 30° E.

68.00 Wire fence, brs. N. 60° W. and S. 60° E.

77.00 Leave cultivated field; enter open brush, brs. N. 60° W. and S. 60° E.

80.00 Set an iron post for the cor. of secs. 28, 29, 32 and 33, stamped in cap

Subdivision of T. 4 S., R. 8 E.

Chains

T 4 S S 28 in NE. quadrant
R 8 E S 33 in SE. quadrant
S 32 in SW. quadrant
S 29 in NW. quadrant

1911 in S.

1 notch on S. and 4 notches on E. edge,

from which

A mesquite 10 ins. dia. brs. East 6 lks. dist.

Mkd. T 4 S R 8 E S 33 B T.

Dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level; 39.50 chs. under cultivation; 23.40 chs. in river bed.

Soil, sandy loam, 1st rate.

Open brush of sage, mesquite and willow, 17.10 chs.

S. 89° 56' W. on a true line bet. secs. 29 and 32.

Over level land, through open brush.

0.25 Wire fence, brs. N. 30° E. and S. 30° W.

2.00 Leave brush and enter Indian yard and garden at rail fence bearing N. and S.

7.00 Wire fence, brs. N. 30° E. and S. 30° W.

8.50 Enter field, brs. NW. and SE., flooded by water flowing over from ditches.

14.00 Wire fence, brs. N. 30° E. and S. 30° W.

20.00 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 29 and 32, (E½), stamped in cap

1/16 S 29 in N. half

S 32 No 1 1911 in S. half, from which

A mesquite 12 ins. dia. brs. N. 50° W., 133 lks. dist.

Mkd. 1/16 S 29 B T.

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.

25.00 Enter dense mesquite brush, brs. NW. and SE.

32.00 Wire fence, brs. N. 30° E. and S. 30° W.

Leave brush; enter cultivated field.

39.00 Wire fence, brs. N. 30° E. and S. 30° W.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 29 and 32, stamped in cap

¼ S 29 in N. half

S 32 1911 in S. half, from which

A mesquite 10 ins. dia. brs. N. 54° 15' E., 272 lks. dist.

Mkd. ¼ S 29 B T.

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.;

Subdivision of T. 4 S., R. 8 E.

Chains

and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.

45.50 Wire fence, brs. N. 30° E. and S. 50° W.

45.60 Road, brs. N. 30° E. and S. 50° W.

50.00 Lateral ditch, in field, brs. N. 60° W. and S. 60° E.

56.50 Lateral ditch, brs. N. 30° E. and S. 30° W.

58.00 Wire fence, and lateral ditch, brs. N. 30° E. and S. 30° W.

60.00 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 29 and 32 (W½), stamped in cap

1/16 S 29 in N. half
S 32 No 2 1911 in S. half, from which

A mesquite 10 ins. dia. brs. N. 54° 45' E., 269 lks. dist.
Mkd. 1/16 S 29 B T.

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.

63.50 Wire fence, and lateral ditch, brs. N. 30° E. and S. 30° W.

64.50 Main irrigation ditch, brs. N. 60° W. and S. 60° E.

67.80 Set an iron post for M.C. bet. secs. 29 and 32, on right bank of Gila River, stamped in cap

M C in W.
T 4 S S 29 in NE. quadrant
R 8 E S 32 in SE. quadrant
1911 in S.
1 notch on S. edge

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

Land, level; 57.80 chs. cultivated.

Soil, sandy loam, 1st rate.

Open brush of chaparral, mesquite, sage and willow, 9.00 chs.

From the 1/16 sec. cor. No. 2, for sec. 32, (W½), on S. bdy. of Tp., previously described, I run

N. 0° 01' E. on a true line through the W. half of sec. 32.

Over level land, through cultivated fields.

3.60 Wire fence, brs. N. 30° E. and S. 30° W.

4.20 Lateral ditches bear N. 30° E. and S. 30° W. and West and N. 30° W.

14.00 Wire fence, brs. N. 30° E. and S. 30° W.

15.45 Left bank of Gila River.

Set an iron post for 1/16 M.C. of sec. 32, stamped in cap

M C in N.
1/16 S 32 1911 in S.

Subdivision of T. 4 S., R. 8 E.

Chains

A cottonwood 4 ft. dia. brs. S. 3° E., 157 lks. dist.
Mkd. 1/16 S 32 M C B T.

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

Land, level and cultivated.
Soil, sandy loam, 1st rate.

From the 1/16 sec. cor. No. 1, bet. secs. 29 and 32 (E $\frac{1}{2}$),
I run

S. 0° 01' W. on a true line through the E. half of sec. 32

Over level land, through cultivated field (land flooded by overflow).

3.00 Brush fence, brs. N. 30° E. and S. 30° W.
Leave cultivated field; enter open brush.

10.00 Road, brs. NW. and SE.

13.00 Leave open brush (flooded area); enter cultivated field,
brs. N. 60° W. and S. 60° E.

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

19.40 Lateral ditch, brs. E. and W.

20.00 Set an iron post for 1/16 sec. cor. No. 5, in the center
of the NE $\frac{1}{4}$ of sec. 32, stamped in cap

1/16 S 32 in center
No 5 1911 in S.

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.

25.30 Old Indian cabin, brs. 1 ch. West.

27.50 Main irrigation ditch, brs. N. 60° W. and S. 60° E.; also
wire fence.

27.60 Small lateral ditch, parallel to above.

29.00 Lateral ditch, brs. E. and W.; and ruins of old cabin bear
W., 2 chs. dist.

35.75 Right bank of Gila River.

Set an iron post for 1/16 M.C. of sec. 32, stamped in cap

M C 1911 in S.
1/16 S 32 in N.

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

Land, level; 25.75 chs. cultivated.
Soil, sandy loam, 1st rate.
Open brush and flooded area, 13.00 chs. - Sage, mesquite
and willow brush.

Subdivision of T. 4 S., R. 8 E.

Chains

From the $\frac{1}{4}$ sec. cor. bet. secs. 29 and 32, I run
S. $0^{\circ} 01'$ W. on a true line through the middle of sec. 32.
Over level, cultivated land.

- 2.00 Wire fence and lateral ditch, brs. N. 30° E. and S. 30° W.
10.00 Wire fence, and lateral ditch, brs. N. 30° E. and S. 30° W.
17.50 Main irrigation ditch, brs. N. 60° W. and S. 60° E.
18.50 Old irrigation canal, brs. E. and W.
20.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 4, bet. the NE.
and NW. quarters of sec. 32, stamped in cap

$\frac{1}{16}$ S 32 in center
No 4 1911 in S.

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.

- 21.10 Right bank of Gila River.

Set an iron post for $\frac{1}{16}$ M.C. of sec. 32, stamped in cap

M C 1911 in S.
 $\frac{1}{16}$ S 32 in N.

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

Land, level and cultivated.
Soil, sandy loam, 1st rate.

From the $\frac{1}{16}$ sec. cor. No. 2, bet. secs. 29 and 32 ($W\frac{1}{2}$)
I run

S. $0^{\circ} 01'$ W. on a true line through the W. half of sec. 32.
Over cultivated field.

- 4.00 Wire fence and main irrigation canal, brs. N. 60° W. and
S. 60° E.
11.40 Right bank of Gila River.

Set an iron post for $\frac{1}{16}$ M.C. of sec. 32, stamped in cap

M C 1911 in S.
 $\frac{1}{16}$ S 32 in N.

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

Land, level and cultivated.
Soil, sandy loam, 1st rate.

From the cor. of secs. 28, 29, 32 and 33, I run

N. $0^{\circ} 01'$ E. bet. secs. 28 and 29.

Over broken, stony land, through open brush.

Subdivision of T. 4 S., R. 8 E.

Chains

- 0.50 Wire fence, brs. N. 30° E. and S. 30° W. Leave brush.
- 4.00 Indian cabin, brs. West 1.00 ch. dist.
- 5.00 Wire fence, brs. N. 60° W. and S. 60° E.
- 6.00 Road, brs. N. 60° W. and S. 60° E.
- 19.00 Wash, course SW.
- 20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 28 and 29 (S $\frac{1}{2}$), stamped in cap
 - 1/16 S 29 in W. half
 - S 28 in E. half
 - No 12 1911 in S., from which
 - A palo verde 3 ins. dia. brs. S. 35° E., 62 lks. dist.
 - Mkd. 1/16 S 28 B T.
 - 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.
- 24.00 Wash, course SE.
- 27.00 Wash, course S. 10° W.
- 34.00 Wash, course SW.
- 39.80 Road, brs. N. 30° E. and S. 30° W.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 28 and 29, stamped in cap
 - $\frac{1}{4}$ S 29 in W. half
 - S 28 in E. half
 - 1911 in S.
 - 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.
- 47.50 Wash, course SW.
- 60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 28 and 29 (N $\frac{1}{2}$), stamped in cap
 - 1/16 S 29 in W. half
 - S 28 in E. half
 - No 6 1911 in S.
 - 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.
- 62.00 Wash, course SW.
- 80.00 Set an iron post for the cor. of secs. 20, 21, 28 and 29, stamped in cap
 - T 4 S S 21 in NE. quadrant
 - R 8 E S 28 in SE. quadrant
 - S 29 in SW. quadrant
 - S 20 in NW. quadrant
 - 1911 in S.
 - 2 notches on S. and 4 notches on E. edge
 - 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.

Subdivision of T. 4 S., R. 8 E.

Chains

Land, rolling.
Soil, sandy, 2nd rate; stony, 3rd rate.
Open brush of Chaparral, mesquite, palo verde, and sage,
full distance.

S. 89° 56' W. on a random line bet. secs. 20 and 29,
setting temp. cors. at intervals of 20.00 chs.

79.92 Falls 12 lks. S. of the cor. of secs. 19, 20, 29 and 30.

Thence I run

S. 89° 59' E. on a true line bet. secs. 20 and 29.

Over rolling land, through open brush.

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

16.00 Road, brs. NE. and SW.

19.98 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 20
and 29 (W $\frac{1}{2}$), stamped in cap

1/16 S 20 in N. half
3 29 No 2 1911 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.

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

34.00 Wash, course SW.

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

39.00 Road, brs. NE. and SW.

39.96 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 20 and 29,
stamped in cap

$\frac{1}{4}$ S 20 in N. half
S 29 1911 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.

42.00 Wash, course SW.

50.00 Wash, course SE.

59.94 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 20
and 29 (E $\frac{1}{2}$), stamped in cap

1/16 S 20 in N. half
S 29 No 1 1911 in S. half

Dig pits 16x16x12 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.

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

79.50 Wash, course SW.

79.92 The cor. of secs. 20, 21, 28 and 29.

Subdivision of T. 4 S., R. 8 E.

Chains

Land, rolling.
Soil, sandy, 2nd rate; and stony, 3rd rate.
Open brush of chaparral, mesquite, palo verde and sage,
full distance.

From the 1/16 sec. cor. No. 12, bet. secs. 28 and 29 (S $\frac{1}{2}$)
I run

S. 89° 56' W. on a random line through the middle of the
S. half of sec. 29, setting temp. cors. at intervals
of 20.00 chs.

79.96 Falls 14 lks. S. of the 1/16 sec. cor. No. 12, bet. secs.
29 and 30 (S $\frac{1}{2}$).

Thence I run

S. 89° 58' E. on a true line through the middle of the
S. half of sec. 29.

Through cultivated field.

4.00 Wire fence, brs. N. 30° E. and S. 30° W.

11.50 Lateral ditch and wire fence, brs. N. 30+ E. and S. 30° W.

19.80 Wire fence, brs. N. 30° E. and S. 30° W.

Leave field; enter open brush.

19.99 Set an iron post for 1/16 sec. cor. No. 9, in the center
of the SW $\frac{1}{4}$ of sec. 29, stamped in cap

1/16 S 29 in center
No 9 1911 in S., from which

A mesquite 12 ins. dia. brs. S.41°45'W., 13 lks. dist.
Mkd. 1/16 S 29 B T.

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.

21.00 Old lateral ditch, brs. N. 60° W. and S. 60° E.

23.00 Wash, course NW.

24.00 Indian cabin, brs. N., 3.00 chs. dist.

25.00 Wire fence, brs. N. 30° E. and S. 30° W.; also lateral
ditch, brs. NW. and SE.

32.00 Indian cabin, brs. 50 lks. N.

34.00 Irrigation canal, brs. N. 60° W. and S. 60° E.; and large
Indian cabin, brs. N. 2.00 chs. dist.

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

38.00 Road, brs. N. 60° W. and N. 30° E., S. 60° E. and SW., at
intersection.

39.98 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE.
and SW. quarters of sec. 29, stamped in cap

1/16 S 29 in center
No 10 1911 in S.

Subdivision of T. 4 S., R. 8 E.

Chains

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

Indian cabin brs. North, 2.00 chs. dist.

43.00 Road, brs. S. 60° E.; forks to N. and NW.

59.97 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE 1/4 of sec. 29, stamped in cap

1/16 S 29 in center
No 11 1911 in S.

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

60.30 Wash, course S.

61.50 Road, brs. N. and S.

79.96 The 1/16 sec. cor. No. 12, bet. secs. 28 and 29 (S 1/2).

Land, level; 19.80 chs. cultivated.
Soil, sandy loam, 1st rate.
Open brush of sage, mesquite and chaparral, and greasewood
60.16 chs.

April 22, 1911. At the 1/4 sec. cor. bet. secs. 28 and 29, I set off 12° 01' N. on the decl. arc, and at apparent Noon, observe the sun on the meridian; the resulting lat. is 33° 03', which is the proper lat.

Thence I run

S. 89° 56' W. on a random line through the middle of sec. 29, setting temp. cors. at intervals of 20.00 chs.

79.84 Falls 24 lks. S. of the 1/4 sec. cor. bet. secs. 29 and 30.

Thence I run

S. 89° 54' E. on a true line through the middle of sec. 29.

Over cultivated field.

1.00 Wire fence, brs. N. 60° W. and S. 60° E.

1.75 Wire fence, brs. N. 30° E. and S. 30° W.

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

Thence across field, flooded by overflow from leaking ditches.

8.00 Leave flooded field; thence over sandy land.

15.00 Wire fence, brs. N. 30° E. and S. 30° W.

Indian village, comprised of houses of six families, brs. N. and S. of line.

18.00 Indian cabin, brs. N., 1.00 ch. dist.

Wire fence, brs. N. 60° W. and S. 60° E.

ECCK 1911

Subdivision of T. 4 S., R. 8 E.

Chains

19.96 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW. and SW. quarters of sec. 29, stamped in cap

1/16 S 29 in center
No 8 1911 in S.

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

28.00 Indian burial ground, brs. N., 1.00 ch. dist.

30.00 Enter chaparral brush and rolling, stony land, bearing N. and S.

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

39.92 Set an iron post for center 1/4 sec. cor. of sec. 29, stamped in cap

C 1/4 S 29 in center
1911 in S.

Dig pits 18x18x12 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.

41.00 Wash, course SW.

42.00 Road, brs. NE. and SW.

59.88 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE. and SE. quarters of sec. 29, stamped in cap

1/16 S 29 in center
No 7 1911 in S.

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

62.00 Wash, course SW.

72.00 Wash, course SW.

79.84 The 1/4 sec. cor. bet. secs. 28 and 29.

Land, level, 8.00 chs. (cultivated); balance, rolling. Soil, sandy and sandy loam, 1st and 2nd rate. Open brush of sage, chaparral and greasewood, 71.84 chs.

From the 1/16 sec. cor. No. 6, bet. secs. 28 and 29 (N 1/2), I run

S. 89° 56' W. on a random line through the middle of the N. half of sec. 29, setting temp. cors. at intervals of 20.00 chs.

79.96 Falls 4 lks. S. of the 1/16 sec. cor. No. 6, bet. secs. 29 and 30 (N 1/2).

Thence I run

N. 89° 58' E. on a true line through the middle of the N. half of sec. 29.

Over broken stony land, through open brush.

Subdivision of T. 4 S., R. 8 E.

Chains

- 2.20 Road, brs. NE. and SW.
- 4.00 Road, brs. N. 30° E. and S. 30° W.
- 6.00 Wash, course SW.
- 14.00 Wash, course SW.
- 16.00 Road, brs. NE. and SW.
- 19.99 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW¹/₄ of sec. 29, stamped in cap

 1/16 S 29 in center
 No 3 1911 in S.

 Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3¹/₂ ft. base, 1¹/₂ ft. high, N. of cor.
- 28.00 Wash, course SW.
- 29.00 Road, brs. N. 30° E. and S. 30° W.
- 32.00 Wash, course SW.
- 34.00 Wash, course SW.
- 38.00 Wash, course SW.
- 39.98 Set an iron post for the 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 29, stamped in cap

 1/16 S 29 in center
 No 4 1911 in S.

 Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3¹/₂ ft. base, 1¹/₂ ft. high, N. of cor.
- 48.00 Wash, course SW.
- 59.97 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE¹/₄ of sec. 29, stamped in cap

 1/16 S 29 in center
 No 5 1911 in S.

 Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3¹/₂ ft. base, 1¹/₂ ft. high, N. of cor.
- 61.00 Road, brs. NE. and SW.
- 64.00 Wash, course SW.
- 75.00 Wash, course SW.
- 79.96 The 1/16 sec. cor. No. 6, bet. secs. 28 and 29, (N¹/₂).

 Land, broken and stony.
 Soil, sandy, 2nd rate.
 Open brush of chaparral, greasewood and palo verde.

 From the cor. of secs. 20, 21, 28 and 29, I run
 N. 0° 01' E. on a true line bet. secs. 20 and 21.

Subdivision of T. 4 S., R. 8 E.

Chains

Over rolling land, through open brush.

3.00 Wash, course SW.

5.00 Road, brs. NE. and SW.

15.00 Road, brs. E. and W.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 20 and 21 (S 1/2), stamped in cap

1/16 S 20 in W. half
S 21 in E. half
No 12 1911 in S.

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

35.60 Summit of low ridge, brs. E. and W.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 20 and 21, stamped in cap

1/4 S 20 in W. half
S 21 in E. half
1911 in S.

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

56.00 Wash, course N. 60° W.

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 20 and 21 (N 1/2), stamped in cap

1/16 S 20 in W. half
S 21 in E. half
No 6 1911 in S.,

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

60.25 Wash, course SW.

66.00 Wash, course W.

78.50 Wash, course SW.

80.00 Set an iron post for the cor. of secs. 16, 17, 20 and 21, stamped in cap

T 4 S S 16 in NE. quadrant
R 8 E S 21 in SE. quadrant
S 20 in SW. quadrant
S 17 in NW. quadrant
1911 in S.

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

from which

A palo verde, 12 ins. dia. brs. S. 21° 45' W., 96 lks. dist.
Mkd. T 4 S R 8 E S 20 B T.

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam, 1st rate.

Open brush of chaparral, palo verde and palo fierro, full distance.

Subdivision of T. 4 S., R. 8 E.

Chains

N. 89° 59' W. on a random line bet. secs. 17 and 20, setting temp. cors. at intervals of 20.00 chs.

80.00 Intersect the cor. of secs. 17, 18, 19 and 20.

Thence I run

S. 89° 59' E. on a true line bet. secs. 17 and 20.

Over stony, broken land, through open brush.

20.00 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 17 and 20 (W $\frac{1}{2}$), stamped in cap

1/16 S 17 in N. half
S 20 No 2 1911 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.

34.50 Summit of rocky mound, brs. N. and S.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20, stamped in cap

$\frac{1}{4}$ S 17 in N. half
S 20 1911 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.

60.00 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 17 and 20 (E $\frac{1}{2}$), stamped in cap

1/16 S 17 in N. half
S 20 No 1 1911 in S. half, from which

A palo verde 10 ins. dia. brs. S.25°30'W., 20 lks. dist. Mkd. 1/16 S 20 B T.

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.

67.50 Road, brs. NE. and SW.

75.00 Wash, course SW.

80.00 The cor. of secs. 16, 17, 20 and 21.

Land, broken.
Soil, stony, 3rd rate.
Open brush of chaparral, palo verde and palo fierro, full distance.

From the 1/16 sec. cor. No. 12, bet. secs. 20 and 21, I run

N. 89° 59' W. on a random line through the middle of the S. half of sec. 20, setting temp. cors. at intervals of 20.00 chs.

79.96 Falls 2 lks. S. of the 1/16 sec. cor. No. 12, bet. secs. 19 and 20 (S $\frac{1}{2}$).

Subdivision of T. 4 S., R. 8 E.

Chains

Thence I run

S. 89° 58' E. on a true line through the middle of the S. half of sec. 20.

Over rolling land, through open brush.

2.00 Wash, course S.

19.99 Set an iron post for 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 20, stamped in cap

1/16 S 20 in center
No 9 1911 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.

25.00 Enter wash, course SW.

28.00 Leave wash, course SW.

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

34.50 Road, brs. NE. and SW.

39.98 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 20, stamped in cap

1/16 S 20 in center
No 10 1911 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.

43.00 Wash, course SW.

59.97 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$ of sec. 20, stamped in cap

1/16 S 20 in center
No 11 1911 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.

60.10 Wash, course SW.

79.96 The 1/16 sec. cor. No. 12, bet. secs. 20 and 21. (S $\frac{1}{2}$).

Land, rolling.

Soil, sandy and stony, 3rd rate.

Open brush of sage, chaparral, palo verde and palo fierro, full distance.

From the $\frac{1}{4}$ sec. cor. bet. secs. 20 and 21, I run

N. 89° 59' W. on a random line through the middle of sec. 20, setting temp. cors. at intervals of 20.00 chs.

80.00 Falls 2 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20,

Thence I run

BOOK 3478
BOOK 3478
BOOK 3478

Subdivision of T. 4 S., R. 8 E.

Chains

East on a true line through the middle of sec. 20.
Over rolling land, through open brush.

0.50 Wash, course S.

20.00 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW.
and SW. quarters of sec. 20, stamped in cap

1/16 S 20 in center
No 8 1911 in S.

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

31.00 Wash, course SW.

37.00 Wash, course SW.

38.00 Enter large wash, course SW.

39.80 Leave wash, course SW.

40.00 Set an iron post for center 1/4 sec. cor. of sec. 20,
stamped in cap

C 1/4 S 20 in center
1911 in S.

Dig pits 18x13x12 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.

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

60.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE.
and SE. quarters of sec. 20, stamped in cap

1/16 S 20 in center
No 7 1911 in S.

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

61.00 Wash, course SW.

80.00 The 1/4 sec. cor. bet. secs. 20 and 21.

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde and palo fierro,
full distance.

From the 1/16 sec. cor. No. 6, bet. secs. 20 and 21 (N 1/2)
I run

N. 89° 59' W. on a random line through the middle of the
N. half of sec. 20, setting temp. cors. at intervals
of 20.00 chs.

79.96 Falls 6 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 19
and 20 (N 1/2).

Thence I run

Subdivision of T. 4 S., R. 6 E.

Chains

N. 89° 58' E. on a true line through the middle of the N. half of sec. 20.

Over rolling land, through open brush.

19.99 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW $\frac{1}{4}$ of sec. 20, stamped in cap

1/16 S 20 in center
No 3 1911 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.

32.00 Wash, course S.

39.98 Set an iron post for 1/16 sec. cor. No. 4, bet. the NW. and NE. quarters of sec. 20, stamped in cap

1/16 S 20 in center
No 4 1911 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.

56.00 Road, brs. from SW. to N. 60° E.

59.80 Wash, course SW.

59.97 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE $\frac{1}{4}$ of sec. 20, stamped in cap

1/16 S 20 in center
No 5 1911 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.

72.00 Enter wash, course SW.

74.00 Leave wash, course SW.

79.96 The 1/16 sec. cor. No. 6, bet. secs. 20 and 21. (N $\frac{1}{2}$).

Land, rolling.

Soil, sandy, 2nd rate.

Open brush of chaparral, palo verde, and palo fierro, full distance.

April 22, 1911.

April 24, 1911. At 8 a.m., l.m.t., I set off 33° 05' on the lat. arc, 12° 38' N. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 16, 17, 20 and 21.

Thence I run

N. 0° 01' E. bet. secs. 16 and 17.

Over level land, through open brush.

4.00 Wash, course SW.

15.00 Road, brs. NW. and SE.

Subdivision of T. 4 S., R. 8 E.

Chains

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

38.00 Wash, course S. 60° W.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 16 and 17,
stamped in cap

$\frac{1}{4}$ S 17 in W. half
S 16 in E. half
1911 in S.

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.

71.00 Road, brs. NE. and SW.

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

T 4 S S 9 in NE. quadrant
R 8 E S 16 in SE. quadrant
S 17 in SW. quadrant
S 8 in NW. quadrant
1911 in S.
4 notches on S. and 4 on E. edges

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, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde, and palo fierro,
full distance.

N. 89° 59' W. on a random line bet. secs. 8 and 17.

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

80.00 Falls 10 lks. N. of the cor. of secs. 7, 8, 17 and 18.
Thence I run
N. 89° 57' E. on a true line bet. secs. 8 and 17.
Over rolling land, through open brush.

14.50 Wash, course N.

26.00 Begin ascent of spur.

29.80 Summit of spur, brs. N.
Thence descend.

32.00 Foot of descent, brs. N. and S.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 8 and 17,
stamped in cap

$\frac{1}{4}$ S 8 in N. half
S 17 1911 in S. half

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

Subdivision of T. 4 S., R. 8 E.

Chains

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

Land, rolling.
Soil, sandy and stony, 2nd and 3rd rate.
Open brush of sage, chaparral, palo verde and palo fierro,
full distance.

From the $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20, I run
N. 0° 01' E. through the middle of sec.17, on a random
line.

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

79.90 Falls 16 lks. E. of the $\frac{1}{4}$ sec. cor. bet. secs. 8 and 17.
Move temp. center $\frac{1}{4}$ sec. cor. 8 lks. W.

From the $\frac{1}{4}$ sec. cor. bet. secs. 16 and 17, I run
N. 89° 59' W. on a random line through the middle of
sec.17.

40.01 Falls 4 lks. N. of temp. center $\frac{1}{4}$ sec. cor.

79.92 Falls 10 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 17 and 18,
(Point for center $\frac{1}{4}$ sec. cor. is therefore 1 lks S.0°06'E.
of temp. cor.)

Thence I run
N. 89° 57' E. on a true line through the middle of sec.17,
Over rolling land, through open brush.

39.91 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 17,
stamped in cap

C $\frac{1}{4}$ S 17 in center
1911 in S.

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

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

78.00 Wash, course S.

79.92 (40.01) The $\frac{1}{4}$ sec. cor. bet. secs. 16 and 17.

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde, and palo fierro,
full distance.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20, I run
N. 0° 06' W. on a true line through the middle of sec.17,
Over rolling land, through open brush.

25.00 Road, brs. NE. and SW.

Subdivision of T. 4 S., R. 8 E.

Chains

- 39.99 The center $\frac{1}{4}$ sec. cor. of sec. 17.
- 41.50 Begin ascent of rocky slope to ridge, bearing NW. and SE.
- 44.20 Summit of ridge, brs. NW. and SE.
Thence descend.
- 47.00 Base of descent. Thence ascend.
- 50.00 Top of low spur, brs. NE. and SW. Thence descend.
- 54.00 Foot of descent.
- 79.90 (39.91) The $\frac{1}{4}$ sec. cor. bet. secs. 8 and 17.

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde, and palo fierro, full distance.

From the cor. of secs. 8, 9, 16 and 17, I run
N. 0° 01' E. on a true line bet. secs. 8 and 9.
Over rolling land, through open brush.

- 27.52 Walker's Butte, brs. S. 37° 30' E., 2 $\frac{1}{2}$ miles dist.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9,
stamped in cap

$\frac{1}{4}$ S 8 in W. half
S 9 in E. half
1911 in S.

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.

- 75.50 Road, brs. N. 60° W. and S. 60° E.
- 80.00 Set an iron post for the cor. of secs. 4, 5, 8 and 9,
stamped in cap

T 4 S S 4 in NE. quadrant
R 8 E S 9 in SE. quadrant
S 8 in SW. quadrant
S 5 in NW. quadrant
1911 in S.

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

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, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde and palo fierro, full distance.

S. 89° 57' W. on a random line bet. secs. 5 and 8.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.88 Falls 2 lks. S. of the cor. of secs. 5, 6, 7 and 8.

Subdivision of T. 4 S., R. 8 E.

Chains

Thence I run

N. 89° 58' E. on a true line bet. secs. 5 and 8.

Over rolling land, through open brush.

1.00 Wash, course SW.

10.00 Wash, course S.

14.00 Wash, course SW.

23.50 Deep wash, course SW.

31.00 Wash, course S.

35.00 Wash, course SW.

39.00 Wash, course S. 60° W.

39.94 Set an iron post for ¼ sec. cor. bet. secs. 5 and 8,
stamped in cap

¼ S 5 in N. half
S 8 1911 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.

49.00 Wash, course S.

52.00 Wash, course SW.

63.50 Wash, course SE.

66.00 Wash, course SW.

68.00 Road, brs. NE. and SW.

70.00 Wash, course S. 60° W.

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

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

Land, rolling.

Soil, sandy, 2nd rate.

Open brush of chaparral, palo verde and palo fierro,
full distance.

From the ¼ sec. cor. bet. secs. 8 and 17, I run

N. 0° 01' E. on a random line through the middle of sec. 8.

40.00 Set temp. center ¼ sec. cor.

79.86 Falls 6 lks. W. of the ¼ sec. cor. bet. secs. 5 and 8.

Move temp. center ¼ sec. cor. 3 lks. E.

From the ¼ sec. cor. bet. secs. 8 and 9, I run

S. 89° 57' W, on a random line through the middle of sec. 8.

Subdivision of T. 4 S., R. 8 E.

Chains

- 39.96 Falls 14 lks. S. of temp. center $\frac{1}{4}$ sec. cor.
- 79.86 Falls 12 lks. S. of the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 8.
(Point for center $\frac{1}{4}$ sec. cor. is therefore 8 lks. S. of temp. cor.)
- Thence I run
S. $89^{\circ} 58'$ E. on a true line through the middle of sec. 8.
Over rolling land, through open brush.
- 4.00 Road, brs. NE. and SW.
17.00 Wash, course SW.
- 39.90 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 8,
stamped in cap
- C $\frac{1}{4}$ S 8 in center
1911 in S.
- Dig pits 18x18x12 ins. E., W. and S., 3 ft., and N. of post 7 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 72.00 Wash, course S.
- 79.86 (39.96) The $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9.
Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde and palo fierro, full distance.
- Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 8 and 17,
thence I run
N. $0^{\circ} 04'$ E. on a true line through the middle of sec. 8.
Over rolling land, through open brush.
- 39.92 The center $\frac{1}{4}$ sec. cor. of sec. 8.
- 56.00 Large wash, course SW.
- 58.00 Wash, course SW.
- 59.00 Road, brs. NE. and SW.
- 79.86 (39.94) The $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8.
Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde, and palo fierro, full distance.
-
- From the cor. of secs. 4, 5, 8 and 9, I run
N. $0^{\circ} 01'$ E. on a true line bet. secs. 4 and 5.
Over rolling land, through open brush.
- 5.00 Wash, course N. 60° W. Road, in bed of wash.
- 28.00 Wash, course S. 60° W.

Subdivision of T. 4 S., R. 8 E.

Chains

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 5, stamped in cap

$\frac{1}{4}$ S 5 in W. half
S 4 in E. half
1911 in S.

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

73.00 Wash, course E.

75.00 Begin ascent, brs. E. and W.

79.05 Intersect the N. bdy. of the reservation, 4.02 chs. N. $89^{\circ} 56'$ E. of the old cor. of secs. 4, 5, 32 and 33, which cor. now refers to secs. 32 and 33, T. 3 S., R. 8 E., only.

Set an iron post for cor., of secs. 4 and 5, stamped in cap

T 4 S S 5 in SW.
R 8 E S 4 in SE.
G R I R 1911 in S.
4 notches on E. and 2 notches on W. edge

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

Land, rolling.

Soil, sandy, 2nd rate.

Open brush of chaparral, palo verde, palo fierro, full distance.

From the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8, I run

N. $0^{\circ} 01'$ E. on a random line through the middle of sec. 5.

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

79.04 Falls 2 lks. E. of the point for $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 5, (which is also the N. bdy. of the reservation), which point is 4.06 chs. S. $89^{\circ} 56'$ E., of the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 32, which cor. now refers to sec. 32, T. 3 S., R. 8 E. only.

Move temp. center $\frac{1}{4}$ sec. cor. 1 lk. W.

From the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 5, I run

S. $39^{\circ} 58'$ W. on a random line through the middle of sec. 5.

39.98 Falls 3 lks. S. of temp. center $\frac{1}{4}$ sec. cor.

79.88 Falls 2 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 6.

(point for center $\frac{1}{4}$ sec. cor. is therefore 4 lks. S. of temp. cor.)

Thence I run

N. $89^{\circ} 57'$ E. on a true line through the middle of sec. 5.

Over rolling land, through open brush.

Subdivision of T. 4 S., R. 8 E.

Chains

- 1.30 Begin descent of NE. slope.
- 18.00 Foot of descent.
- 21.00 Large wash, course S. Begin ascent.
- 36.00 Summit of ascent on N. slope. Thence descend.
- 39.90 Set an iron post for center $\frac{1}{4}$ sec. cor. of sec. 5,
stamped in cap

C $\frac{1}{4}$ S 5 in center
1911 in S.

Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
cor.
- 46.00 Foot of descent.
- 56.00 Wash, course SE.
- 64.00 Wash, course SE.
- 68.00 Wash, course SE.
- 72.00 Wash, course SE.
- 79.88 (39.98) The $\frac{1}{4}$ sec. cor. bet. secs. 4 and 5.

Land, rolling and mountainous.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde and palo fierro, full
distance.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8,
thence I run

North on a true line through the middle of sec. 5.
Over rolling land, through open brush.
- 5.00 Wash, course SW.
- 20.00 Begin ascent of SE. slope to saddle in ridge.
- 34.00 Summit of ascent; thence descend, brs. NW. and SE.
- 39.96 The center $\frac{1}{4}$ sec. cor. of sec. 5.
- 46.00 Foot of descent in wash, course E.; thence ascend.
- 54.00 Summit of ascent, brs. E. and W.
- 62.00 Begin descent of NW. slope.
- 66.00 Wash, course N. 60° W. Thence ascend.
- 68.00 Summit of ascent; thence along W. slope.
- 72.00 Begin descent.
- 79.04 (39.08) Set an iron post for $\frac{1}{4}$ sec. cor. on N. bdy. of
sec. 5, (which is also the N. bdy. of the reservation),
4.06 chs. S. 89° 56' E. of the $\frac{1}{4}$ sec. cor. of sec. 32,
T. 5 S., R. 8 E., stamped in cap

 $\frac{1}{4}$ S 5 G R I R 1911 in S. half

Subdivision of T. 4 S., R. 8 E.

Chains

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

Land, rolling, and mountainous.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde, and palo fierro, full distance.

April 24, 1911

April 25, 1911. At 8 a.m., l.m.t., I set off 33° 02' on the lat. arc, 12° 58' N. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 33 and 34, on S. bdy. of Tp., previously described.

Thence I run

N. 0° 02' E. bet. secs. 33 and 34.

Over level land, through dense mesquite.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 33 and 34 (S½), stamped in cap

1/16 S 33 in W. half
S 34 in E. half
No 12 1911 in S., from which

A mesquite 8 ins. dia. brs. S. 77° 30' E., 57 lks. dist.
Mkd. 1/16 S 34 B T.

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

27.00 Road, brs. NE. and SW.

Leave dense mesquite and enter open brush.

35.00 Irrigation canal, brs. E. and W.

38.00 Wash, course SW.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 33 and 34, stamped in cap

¼ S 33 in W. half
S 34 in E. half
1911 in S.

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

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 33 and 34, (N½) stamped in cap

1/16 S 33 in W. half
S 34 in E. half
No 6 1911 in S.

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

61.00 Road, brs. from N. 60° W. to N. 60° E. and S. 60° E.

64.00 Wash, course SW.

Subdivision of T. 4 S., R. 8 E.

Chains

70.00 Wash, course SW.

77.00 Wash, course SE.

80.00 Set an iron post for the cor. of secs. 27, 28, 33 and 34, stamped in cap

T 4 S S 27 in NE. quadrant
R 8 E S 34 in SE. quadrant
S 33 in SW. quadrant
S 28 in NW. quadrant

1911 in S.

1 notch on S. and 3 notches on E. edge

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sandy loam, 1st rate.

Open and dense brush of chaparral, sage, mesquite, and palo verde, full distance.

S. 89° 56' W. on a random line bet. secs. 28 and 33, setting temp. cors. at intervals of 20.00 chs.

80.00 Falls 4 lks. N. of the cor. of secs. 28, 29, 32 and 33.

Thence I run

N. 89° 54' E. on a true line bet. secs. 28 and 33.

Over level land, through open brush.

3.00 Wash, course SW.

6.00 Enter rolling land and scattered palo verde brush.

8.00 Indian cabin, brs. S., 1.00 ch. dist.

9.00 Wire fence, brs. N. 60° W. and S. 60° E.; also wash, course S.

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

18.00 Wash, course S.

20.00 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 28 and 33 (W 1/2), stamped in cap

1/16 S 28 in N. half
S 33 No 2 1911 in S. half

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

38.00 Wash, course SW.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 28 and 33, stamped in cap

1/4 S 28 in N. half
S 33 1911 in S. half

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

Subdivision of T. 4 S., R. 8 E.

Chains

- 42.00 Wash, course SE.
- 48.00 Wash, course SW.
- 54.00 Road, in wash, course S. from N.
- 60.00 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 28 and 33 (E $\frac{1}{2}$), stamped in cap
 1/16 S 28 in N. half
 S 33 No 1 1911 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.
- 62.00 Wash, course SW.
- 68.00 Road, brs. N. 60° E. and S. 60° W.
- 80.00 The cor. of secs. 27, 28, 33 and 34.

Land, rolling and level.
 Soil, sandy and sandy loam, 1st and 2nd rate.
 Open brush of sage, mesquite, chaparral and palo verde, full distance.

 From the 1/16 sec. cor. No. 12, bet. secs. 33 and 34, (S $\frac{1}{2}$) I run

S. 89° 56' W. on a true line through the middle of the S. half of sec. 33.

Over level land, through open brush.

- 3.00 Road, brs. N. 30° E. and S. 30° W.
- 10.00 Enter dense mesquite brush, brs. N. and S.
- 15.00 Road, brs. N. 30° W. and S. 30° E.
- 20.00 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$ of sec. 33, stamped in cap
 1/16 S 33 in center
 No 11 1911 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.
- 20.50 Road, brs. N. 30° E. and S. 30° W.
- 36.50 Wire fence, brs. N. 30° E. and S. 30° W.
- 40.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 33, stamped in cap

1/16 S 33 in center
 No 10 1911 in S., from which

A mesquite 14 ins. dia. brs. N. 9° E., 60 lks. dist.
 Mkd. 1/16 S 33 B T.

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. 4 S., R. 8 E.

Chains

- 41.00 Brush fence, brs. N. 60° W. and S. 60° E.
Enter cultivated field.
- 41.50 Fence brs. N. 60° W. and S. 60° E.
42.00 Lateral ditch, brs. N. and S.
- 44.50 Wire fence, brs. NE. and SW.
- 46.00 Lateral ditch, brs. N. 60° W. and S. 60° E.
- 52.00 Wire fence and lateral ditch, brs. N. 30° E. and S. 30° W.
- 60.00 Set an iron post for 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 33, stamped in cap
1/16 S 33 in center
No 9 1911 in S., from which
A mesquite 16 ins. dia. brs. N. 21°30'W., 192 lks. dist.
Mkd. 1/16 S 33 B T.
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.
- 61.00 Wire fence, and lateral ditch, brs. N. 30° E. and S. 30° W.
- 64.00 Main irrigation ditch, brs. NW. and SE.
Leave cultivated field; enter open brush.
- 70.00 Wire fence, brs. N. 30° E. and S. 30° W.
- 72.50 Fence and lateral ditch, brs. N. 60° W. and S. 60° E.
- 73.10 Set an iron post for the 1/16 M. C. on the right bank of Gila River, stamped in cap
M C in W.
1/16 S 33 in E.
1911 in S., from which
A mesquite 24 ins. dia. brs. S. 72°15'E., 108 lks. dist.
Mkd. 1/16 S 33 M C B T.
Dig a pit 36x36x12 ins. 8 ft. E. of post; and raise a mound of earth 4 ft. base, 2 ft. high, E. of cor.
Land, level; 23.00 chs. under cultivation.
Soil, sandy loam, 1st rate.
Open and dense brush of sage, mesquite, chaparral and greasewood, 50.10 chs.
-
- From the 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 33, I run
S. 0° 02' W. on a true line through the SW $\frac{1}{4}$ of sec. 33.
Over cultivated fields.
- 3.00 Wire fence and main ditch, brs. N. 60° W. and S. 60° E.
14.00 Lateral ditch, brs. N. 30° W. and S. 30° E.
15.45 Right bank of Gila River.
Set an iron post for 1/16 M.C. of sec. 33, stamped in cap
M C 1911 in S.
1/16 S 33 in N., from which

Subdivision of T. 4 S., R. 8 E.

Chains

A mesquite 15 ins. dia. brs. N. 23° E., 116 lks. dist.
Mkd. 1/16 S 33 M C B T.

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

Land, level and cultivated fields.
Soil, sandy loam, 1st rate.

From the 1/4 sec. cor. bet. secs. 33 and 34, I run
S. 89° 56' W. on a random line through the middle of sec.
33, setting temp. cors. at intervals of 20.00 chs.

79.96 Falls 4 lks. S. of 1/4 sec. cor. bet. secs. 32 and 33.

Thence I run

N. 89° 58' E. on a true line the middle of sec. 33.

Over level land and cultivated field.

2.00 Lateral ditch, brs. S. 30° W. and N. 30° E.

3.50 Enter dense brush; leaving cultivated field bearing N. 60° W.
and S. 60° E.

4.00 Wire fence, brs. N. 60° W. and S. 60° E.

4.50 Lateral ditch, brs. N. 60° W. and S. 60° E.

5.00 Wire fence, brs. N. 30° E. and S. 30° W.

Leave brush and enter cultivated fields.

13.00 Wire fence, brs. N. 30° E. and S. 30° W.

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

19.99 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW.
and SW. quarters of sec. 33, stamped in cap

1/16 S 33 in center
No 8 1911 in S., from which

A mesquite 12 ins. dia. brs. S. 68° E., 122 lks. dist.
Mkd. 1/16 S 33 B T.

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

21.50 Wire fence and lateral ditch, brs. N. 30° E. and S. 30° W.

27.00 Wire fence, brs. N. 60° W. and S. 60° E.

Leave cultivated field; enter mesquite brush.

29.80 Wire fence, brs. N. 30° E. and S. 30° W.

39.98 Set an iron post for center 1/4 sec. cor. of sec. 33,
stamped in cap

C 1/4 S 33 in center
1911 in S.

Dig pits 18x18x12 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.

Subdivision of T. 4 S., R. 8 E.

Chains

- 43.00 Road, brs. N. 30° E. and S. 30° W.
- 46.00 Road, brs. N. 30° E. and S. 30° W.
- 46.10 Wire fence, brs. N. 30° E. and S. 30° W.
- 51.00 Wire fence, brs. N. 60° W. and S. 60° E.
- 59.97 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE $\frac{1}{4}$ and SE $\frac{1}{4}$ of sec. 33, stamped in cap

1/16 S 33 in center
No 7 1911 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.

- 68.00 Wash, course SW.
- 72.00 Bend in main irrigation ditch, course from S. 60° E. to S. 60° W.
- 79.96 The $\frac{1}{4}$ sec. cor. bet. secs. 33 and 34.

Land, level; 25.50 chs. cultivated.
Soil, sandy loam, 1st rate.
Open brush of sage, mesquite and chaparral, 54.46 chs.

From the 1/16 sec. cor. No. 6, bet. secs. 33 and 34 (N $\frac{1}{2}$), I run

S. 89° 56' W. on a random line through the middle of the N. half of sec. 33, setting temp. cors. at intervals of 20.00 chs.

- 79.96 Falls 14 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 32 and 33 (N $\frac{1}{2}$).

Thence I run

N. 89° 50' E. on a true line through the middle of the N. half of sec. 33.

Over level land, through cultivated field.

- 2.20 Wire fence and lateral ditch, brs. N. 30° E. and S. 30° W. Leave fields and enter brush.
- 13.20 Wire fence, brs. N. 60° W. and S. 60° E.
- 19.99 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW $\frac{1}{4}$ of sec. 33, stamped in cap

1/16 S 33 in center
No 3 1911 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.

- 23.50 Wire fence, brs. N. 30° E. and S. 30° W.
- 26.00 Leave mesquite brush, brs. NW. and SE.
- 30.00 Indian cabin brs. N., 1.00 ch. dist.; and shed brs. S., 20 lks. dist.

Subdivision of T. 4 S., R. 8 E.

Chains

- 31.00 Wire fence, brs. N. 30° E. and S. 30° W.
- 34.00 Indian cabin, brs. S., 1.00 ch. dist.
- 36.00 Indian cabin, brs. S., 75 lks. dist.
- 38.75 Wire fence, brs. N. 60° W. and S. 60° E.
- 39.50 Wash, course S. 30° W.
- 39.98 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 33, stamped in cap
- 1/16 S 33 in center
No 4 1911 in S., from which
- The NW. cor. of an Indian cabin brs. S. 14° W., 81 lks. dist.
- 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.
- 42.00 Road, brs. N. 60° W. and S. 60° E.
- 51.00 Wash, course SW.
- 59.97 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE¼ of sec. 33, stamped in cap
- 1/16 S 33 in center
No 5 1911 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.
- 66.00 Road, brs. NE. and SW.
- 74.00 Wash, course S.
- 79.96 The 1/16 sec. cor. No. 6, bet. secs. 33 and 34 (N½).
- Land, level; 2.20 chs. cultivated.
Soil, sandy loam, 1st rate.
Open brush of sage, mesquite, chaparral and palo verde, full distance.
-
- From the cor. of secs. 27, 28, 33 and 34, I run N. 89° 56' E. on a true line bet. secs. 27 and 34. Over level land, through open brush.
- 2.00 Wash, course SW.
- 31.00 Large wash, course SW.
- 37.63 Intersect the E. bdy. of the Gila River Indian Reservation at a point 40 lks. N.0°08'W. of the old ¼ sec. cor. bet. secs. 27 and 34.
- Set an iron post for the cor. of secs. 27 and 34, stamped in cap
- T 4 S S 27 in NW.
R 8 E S 34 in SW.
G R I R in W.
1911 in S.
1 notch on S. and 5 notches on N. edge

Subdivision of T. 4 S., R. 8 E.

Chains

Dig pits 24x24x12 ins. NW. and SW. of post 6 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level.
Soil, sandy loam, 1st rate.
Open brush of sage, mesquite and chaparral, full distance.

From the 1/4 sec. cor. bet. secs. 33 and 34, I run
N. 89° 56' E. on a random line through the middle of sec. 34.

37.59 Falls 1 lk. S. 0° 02' W. of point for 1/4 sec. cor. of sec. 34 on E. bdy. of Tp., which point is midway bet. the cor. of secs. 27 and 34 and the 1/4 sec. cor. bet. secs. 3 and 34 on S. bdy. of Tp.

Returning to the 1/4 sec. cor. bet. secs. 33 and 34, thence I run

N. 89° 55' E. on a true line through the middle of sec. 34.
Over level land, through open brush.

10.00 Large wash, course SW.

12.00 Wash, course S. 60° W.

16.00 Road, brs. NE. and SW. and S. 60° W.

Thence ascend to ridge bearing N. and S.

27.00 Gulch, course NW.

33.00 Top of ascent of spur, brs. NW. and SE.
Thence along N. slope.

37.00 Begin descent from NE. point of spur.

37.59 Set an iron post for 1/4 sec. cor. of sec. 34, on E. bdy. of the reservation, stamped in cap

1/4 S 34 G R I R in W.
1911 in S.

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

Land, broken.
Soil, sandy loam, 1st rate.
Open brush of sage, chaparral, and mesquite, full distance.

From the cor. of secs. 27, 28, 33 and 34, I run
N. 0° 02' E. on a true line bet. secs. 27 and 28.
Over broken land, through open brush.

14.00 Wash, course SW.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 27 and 28 (S 1/2), stamped in cap

Subdivision of T. 4 S., R. 8 E.

Chains

1/16 S 28 in W. half
S 27 in E. half
No 12 1911 in S.

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

40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 27 and 28,
stamped in cap

1/4 S 28 in W. half
S 27 in E. half
1911 in S.

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

43.00 Wash, course SW.

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

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 27
and 28 (N 1/2), stamped in cap

1/16 S 28 in W. half
S 27 in E. half
No 6 1911 in S.

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

67.00 Wash, course SE.

76.00 Wash, course SE.

80.00 Set an iron post for the cor. of secs. 21, 22, 27 and 28,
stamped in cap

T 4 S S 22 in NE. quadrant
R 8 E S 27 in SE. quadrant
S 28 in SW. quadrant
S 21 in NW. quadrant
1911 in S.

2 notches on S. and 3 notches on E. edge,

from which

A palo verde 12 ins. dia. brs. N. 84° 30' E., 33 lks. dist.
Mkd. T 4 S R 8 E S 22 B T.

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist.; and
raise a mound of earth 4 ft. base, 2 ft. high, W. of
cor.

Land, broken and rolling.
Soil, sandy and stony, 2nd and 3rd rate,
Open brush of sage, chaparral, greasewood and palo verde,
full distance.

S. 89° 54' W. on a random line bet. secs. 21 and 28,
setting temp. cors. at intervals of 20.00 chs.

79.88 Falls 4 lks. S. of the cor. of secs. 20, 21, 28 and 29.

Thence I run

Subdivision of T. 4 R., R. 8 E.

Chains

N. 89° 56' E. on a true line bet. secs. 21 and 28.

Over broken land, through open brush.

19.97 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 21 and 28 (W $\frac{1}{2}$), stamped in cap

1/16 S 21 in N. half
S 28 No 2 1911 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.

24.00 Wash, course S.

36.00 Wash, course S. 70° W.

39.00 Dim road, brs. N. 30° W. and S. 30° E.

39.94 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 21 and 28, stamped in cap

$\frac{1}{4}$ S 21 in N. half
S 28 1911 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.

59.91 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 21 and 28 (E $\frac{1}{2}$), stamped in cap

1/16 S 21 in N. half
S 28 No 1 1911 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.

74.00 Dim road, brs. N. 30° E. and S. 30° W.

79.88 The cor. of secs. 21, 22, 27 and 28.

Land, broken and rolling.
Soil, sandy and stony, 3rd rate.
Open brush of sage, chaparral and palo verde, full distance.

From the 1/16 sec. cor. No. 12, bet. secs. 27 and 28 (S $\frac{1}{2}$), I run

S. 89° 54' W. on a random line through the middle of the S. half of sec. 28, setting temp. cors. at intervals of 20.00 chs.

80.00 Falls 4 lks. N. of 1/16 sec. cor. No. 12, bet. secs. 28 and 29 (S $\frac{1}{2}$).

Thence I run

N. 89° 52' E. on a true line through the middle of the S. half of sec. 28.

Over rolling land, through open brush.

0.75 Wash, course SW.

Subdivision of T. 4 S., R. 8 E.

Chains

1.50 Wash, course SW.

6.00 Wash, course S.

6.70 Road, brs. NE. and SW.

18.00 Wash, course SW.

20.00 Set an iron post for the 1/16 sec. cor. No. 9, in the center of the SW 1/4 of sec. 28, stamped in cap

1/16 S 28 in center
No 9 1911 in S.

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

20.50 Wash, course SW.

30.00 Road, brs. NE. and SW.

33.00 Wash, course S.

40.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 28, stamped in cap

1/16 S 28 in center
No 10 1911 in S.

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

40.50 Wash, course SW.

42.00 Wash, course SW.

51.00 Wash, course SW.

60.00 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE 1/4 of sec. 28, stamped in cap

1/16 S 28 in center
No 11 1911 in S.

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

Cor. falls on W. edge of road, brs. N. and S.

77.00 Wash, course SW.

80.00 The 1/16 sec. cor. No. 12, bet. secs. 27 and 28 (S 1/2).

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde and palo fierro, full distance.

From the 1/4 sec. cor. bet. secs. 27 and 28, I run
S. 89° 54' W. on a random line through the middle of sec. 28, setting temp. cors. at intervals of 20.00 chs.

80.00 Falls 2 lks. N. of the 1/4 sec. cor. bet. secs. 28 and 29.

Thence I run

Subdivision of T. 4 S., R. 8 E.

Chains	
	N. 89° 53' E. on a true line through the middle of sec. 28. Over rolling land, through open brush.
0.10	Road, brs. N. 20° E. and S. 20° W.
4.00	Wash, course SW.
11.00	Wash, course S.
18.00	Wash, course SW.
20.00	Set an iron post for 1/16 sec. cor. No. 8, bet. the NW. and SW. quarters of sec. 28, stamped in cap 1/16 S 28 in center No 8 1911 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.
22.50	Road, brs. S. 30° W. and N. 30° E.
23.00	Wash, course SW.
26.00	Wash, course S. 60° W.
34.00	Wash, course S.
37.00	Wash, course S.
38.50	Wash, course SW.
40.00	Set an iron post for center ¼ sec. cor. of sec. 28, stamped in cap C ¼ S 28 in center 1911 in S. Build a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
52.00	Wash, course SW.
56.00	Wash, course SW.
60.00	Set an iron post for 1/16 sec. cor. No. 7, bet. the NE. and SE. quarters of sec. 28, stamped in cap 1/16 S 28 in center No 7 1911 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.
65.00	Top of low ridge, brs. NE. and SW.
79.50	Road, brs. N. and S.
79.80	Wash, course S.
80.00	The ¼ sec. cor. bet. secs. 27 and 28. Land, rolling. Soil, sandy, 2nd rate. Open brush of chaparral, palo verde and palo fierro, full distance.

Subdivision of T. 4 S., R. 8 E.

Chains

April 25, 1911. At the 1/16 sec. cor. No. 6, bet. secs. 27 and 28 (N $\frac{1}{2}$), I set off 13° 01' N. on the decl. arc, and at apparent Noon, observe the sun on the meridian; the resulting lat. is 33° 04', which is the proper lat.

Thence I run

S. 89° 54' W. on a random line through the middle of the N. half of sec. 28, setting temp. cors. at intervals of 20.00 chs.

79.88 Falls 2 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 28 and 29 (N $\frac{1}{2}$).

Thence I run

N. 89° 53' E. on a true line through the middle of the N. half of sec. 28.

Over rolling land, through open brush.

13.00 Wash, course SW.

16.50 Road, brs. N. and S.

19.97 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW $\frac{1}{4}$ of sec. 28, stamped in cap

1/16 S 28 in center
No 3 1911 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.

24.00 Wash, course SW.

26.00 Wash, course S.

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

32.50 Wash, course SW.

39.00 Wash, course SW.

39.94 Set an iron post for the 1/16 sec. cor. No. 4, bet. the NW. and NE. quarters of sec. 28, stamped in cap

1/16 S 28 in center
No 4 1911 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.

54.00 Wash, course S. 30° W.

56.00 Road, brs. NE. and SW.

59.91 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE $\frac{1}{4}$ of sec. 28, stamped in cap

1/16 S 28 in center
No 5 1911 in S.

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

60.50 Wash, course N. 60° W.

Subdivision of T. 4 S., R. 8 E.

Chains

69.00 Wash, course SW.

79.88 The 1/16 sec. cor. No. 6, bet. secs. 27 and 28 (N $\frac{1}{2}$).

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of sage, chaparral, palo verde and palo fierro,
full distance.

From the cor. of secs. 21, 22, 27 and 28, I run
N. 89° 56' E. on a true line bet. secs, 22 and 27.
Over rolling land, through open brush .

3.00 Road, brs. NW. and SE.

8.00 Wash, course SE.

8.50 Wash, course SE.

37.51 Intersect the E. bdy. of the reservation 55 lks. N.0°03'W.
of the old $\frac{1}{4}$ sec. cor. bet. secs. 22 and 27.

Set an iron post for the cor. of secs. 22 and 27, stamped
in cap

T 4 S S 22 in NW.
R 8 E S 27 in SW.
G R I R in W.
1911 in S.
2 notches on S. and 4 notches on N. edges

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

Land, rolling.
Soil, sandy loam, 2nd rate.
Open brush of sage, chaparral and palo verde, full distance.

From the $\frac{1}{4}$ sec. cor. bet. secs. 27 and 28, I run
N. 89° 56' E. on a random line through the middle of sec.
27.

37.56 Falls 5 lks. N. 0° 08' W. of point for $\frac{1}{4}$ sec. cor. of
sec. 27, on E. bdy. of reservation, which point is mid-
way bet. the cor. of secs. 22 and 27 and 27 and 34.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 27 and 28,
thence I run

East on a true line through the middle of sec. 27.

Over rolling land, through open brush.

9.50 Wash, course S.

25.50 Wash, course SE.

27.00 Wash, course S.

37.00 Wash, course S.

37.56 Set an iron post for $\frac{1}{4}$ sec. cor. of sec. 27, on E. bdy.
of reservation, stamped in cap

Subdivision of T. 4 S., R. 8 E.

Chains

1/4 S 27 G R I R in W.
1911 in S.

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

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde and palo fierro, full
distance.

From the cor. of secs. 21 and 22, 27 and 28, I run
N. 0° 02' E. bet. secs. 21 and 22.

Over rolling land, through open brush.

- 5.20 Road, brs. N. from SE. Thence along road.
- 9.30 Road, brs. NW. from S.
- 16.80 Road, brs. N. 5° E. and S. 5° W.
- 20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 21
and 22, stamped in cap

1/16 S 21 in W. half
S 22 in E. half
No 12 1911 in S.

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

- 40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 21 and 22,
stamped in cap
- 1/4 S 21 in W. half
S 22 in E. half
1911 in S.

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

- 45.00 Wash, course NW.
- 58.00 Large wash, course SW.
- 60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 21,
and 22, stamped in cap

1/16 S 21 in W. half
S 22 in E. half
No 6 1911 in S.

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

- 78.00 Wash, course W.
- 80.00 Set an iron post for the cor. of secs. 15, 16, 21 and 22,
stamped in cap

Subdivision of T. 4 S., R. 8 E.

Chains

T 4 S S 15 in NE. quadrant
R 8 E S 22 in SE. quadrant
S 21 in SW. quadrant
S 16 in NW. quadrant
1911 in S.
3 notches on S. and E. edges

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

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde and palo fierro, full distance.

S. 89° 56' W. on a random line bet. secs. 16 and 21, setting temp. cors. at intervals of 20.00 chs.

79.92 Falls 2 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence I run

N. 89° 55' E. on a true line bet. secs. 16 and 21.

Over rolling land, through open brush.

11.00 Road, brs. NE. and SW.

19.98 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 16 and 21 (W 1/2), stamped in cap

1/16 S 16 in N. half
S 21 No 2 1911 in S. half

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

24.00 Wash, course SE.

39.96 Set an iron post for 1/4 sec. cor. bet. secs. 16 and 21, stamped in cap

1/4 S 16 in N. half
S 21 1911 in S. half

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

53.00 Dim road, brs. N. and S.

56.00 Wash, course SW.

59.94 Set an iron post for the 1/16 sec. cor. No. 1, bet. secs. 16 and 21 (E 1/2), stamped in cap

1/16 S 16 in N. half
S 21 No 1 1911 in S. half

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

62.00 Wash, course N. 80° W.

66.00 Wash, course SW. Road in wash brs. NE. and SW.

79.92 The cor. of secs. 15, 16, 21 and 22.

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde, and palo fierro, full distance.

Subdivision of T. 4 S., R. 8 E.

Chains

From the 1/16 sec. cor. No. 12, bet. secs. 21 and 22, S $\frac{1}{2}$,
W run

S. 89° 56' W. on a random line through the middle of the
S. half of sec. 21, setting temp. cors. at intervals
of 20.00 chs.

79.92 Falls 12 lks. N. of the 1/16 sec. cor. No. 12, bet. secs.
20 and 21 (S $\frac{1}{2}$).

Thence I run

N. 89° 51' E. on a true line through the middle of the
S. half of sec. 21.

Over rolling land, through open brush.

2.00 Wash, course SW.

7.00 Road, brs. N. and S.

15.00 Dim road, brs. NE. and SW.

19.98 Set an iron post for 1/16 sec. cor. No. 9, in the center
of the SW $\frac{1}{4}$ of sec. 21, stamped in cap

1/16 S 21 in center
No 9 1911 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.

39.96 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE.
and SW. quarters of sec. 21, stamped in cap

1/16 S 21 in center
No 10 1911 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.

59.94 Set an iron post for 1/16 sec. cor. No. 11, in the center
of the SE $\frac{1}{4}$ of sec. 21, stamped in cap

1/16 S 21 in center
No 11 1911 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.

79.92 The 1/16 sec. cor. No. 12, bet. secs. 21 and 22 (S $\frac{1}{2}$).

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde and palo fierro,
full distance.

From the $\frac{1}{4}$ sec. cor. bet. secs. 21 and 22, I run

S. 89° 56' W. on a random line through the middle of sec.
21, setting temp. cors. at intervals of 20.00 chs.

79.92 Falls 2 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 20 and 21.

Thence I run

Subdivision of T. 4 S., R. 3 E.

Chains

N. 89° 55' E. on a true line through the middle of sec. 21.
Over rolling land, through open brush.

8.00 Road, brs. NW. and SE.

18.00 Enter wash, course N. 60° W. from East.

19.98 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW.
and SW. quarters of sec. 21, stamped in cap

1/16 S 21 in center
No 8 1911 in S.

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

22.00 Leave wash, course W. from S. 60° E.

39.96 Set an iron post for center 1/4 sec. cor. of sec. 21,
stamped in cap

C 1/4 S 21 in center
1911 in S.

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

54.00 Dim road, brs. N. 30° E. and S. 30° W.

57.00 Wash, course NW.

59.94 Set an iron post for the 1/16 sec. cor. no. 7, bet. the
NE. and SE. quarters of sec. 21, stamped in cap

1/16 S 21 in center
No 7 1911 in S.

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

74.00 Wash, course N. 60° W.

79.92 The 1/4 sec. cor. bet. secs. 21 and 22.

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde, palo fierro, full
distance.



From the 1/16 sec. cor. No. 6, bet. secs. 21 and 22 (N 1/2)
I run

S. 89° 56' W. on a random line through the middle of the
N. half of sec. 21, setting temp. cors. at intervals
of 20.00 chs.

79.84 Falls 4 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 20
and 21 (N 1/2).

Thence I run

N. 89° 54' E. on a true line through the middle of the
N. half of sec. 21.

Over rolling land, through open brush.

Subdivision of T. 4 S., R. 8 E.

Chains

3.00 Dim road, brs. N. and S.

10.00 Wash, course N. 60° W.

19.96 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW $\frac{1}{4}$ of sec. 21, stamped in cap

1/16 S 21 in center
No 3 1911 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.

28.00 Wash, course NW.

32.00 Wash, course NW.

39.92 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 21, stamped in cap

1/16 S 21 in center
No 4 1911 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.

59.88 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE $\frac{1}{4}$ of sec. 21, stamped in cap

1/16 S 21 in center
No 5 1911 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.

79.84 The 1/16 sec. cor. No. 6, bet. secs. 21 and 22 (N $\frac{1}{2}$).

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of chaparral, palo verde, and palo fierro, full distance.

From the cor. of secs. 15, 16, 21 and 22, I run
N. 89° 56' E. on a true line bet. secs. 15 and 22.
Over rolling land, through open brush.

1.00 Wash, course SW.

8.00 Wash, course SW.

9.50 Wash, course SW.

29.00 Wash, course S.

35.00 Wash, course S.

37.35 Intersect the E. bdy. of the reservation 39 lks. N.0°08'W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 15 and 22.

Set an iron post for cor. of secs. 15 and 22, stamped in cap

T 4 S S 15 in NW.

Subdivision of T. 4 S., R. 8 E.

Chains

R 8 E S 22 in SW.
G R I R in W.
1911 in S.
3 notches on N. and S. edges

Dig pits 24x24x12 ins. NW. and SW. of post 6 ft. dist.;
and raise a mound of earth 4 ft. base, 2 ft. high, W.
of cor.

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of palo verde, chaparral and palo fierro, full
distance.

From the $\frac{1}{4}$ sec. cor. bet. secs. 21 and 22, I run
N. 89° 56' E. on a random line through the middle of sec.
22.

37.38 Falls 5 lks. N. 0° 03' W. of point for $\frac{1}{4}$ sec. cor. of sec.
22, on E. bdy. of the reservation, which point is mid-
way bet. the cor. of sec. 15 - 22 and 22 - 27.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 21 and 22,
thence I run

East on a true line through the middle of sec. 22.

Over rolling land, through open brush.

7.50 Road, brs. N. and S.

10.00 Wash, course N. 60° W.

37.38 Set an iron post for $\frac{1}{4}$ sec. cor. of sec. 22, on E. bdy. of
reservation, stamped in cap

$\frac{1}{4}$ S 22 G R I R in W.
1911 in S.

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

Land, rolling.
Soil, sandy, 2nd rate.
Open brush of sage, chaparral, palo verde and palo fierro,
full distance.

April 26, 1911. At 8 a.m., l.m.t., I set off 13° 18' N.
on the decl. arc, and 33° 04' on the lat. arc, and
determine a meridian with the solar at the cor. of secs.
15, 16, 21 and 22.

Thence I run

N. 0° 02' E. bet. secs. 15 and 16.

Over rolling land, through open brush.

6.00 Wash, course SW.

10.00 Summit of low ridge, brs. E. and W.

15.00 Wash, course NW.

BOOK 578

Subdivision of T. 4 S., R. 8 E.

Chains

- 18.00 Wash, course W.
- 20.00 Wash, course W.
- 21.00 Wash, course W.
- 23.00 Wash, course W.
- 34.00 Wash, course W.

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

$\frac{1}{4}$ S 16 in W. half
 S 15 in E. half
 1911 in S.

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.

44.00 Wash, course S. 60° W.

48.00 Wash, course SW.

65.00 Wash, course SE.

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

T 4 S S 10 in NE. quadrant
 R 8 E S 15 in SE. quadrant
 S 16 in SW. quadrant
 S 9 in NW. quadrant
 1911 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, rolling and broken.
 Soil, sandy, 2nd rate.
 Open brush of chaparral, palo verde and palo fierro, full distance.

S. 89° 55' W. on a random line bet. secs. 9 and 16.

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

79.88 Falls 20 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence I run

S. 89° 56' E. on a true line bet. secs. 9 and 16.

Over rolling, broken land, through open brush.

3.00 Dim road, brs. NW. and SE.

9.00 Road, brs. NE. and SW.

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

18.00 Wash, course SW.

31.00 Wash, course SW.

39.94 Set an iron post for the $\frac{1}{4}$ sec., cor. bet. secs. 9 and 16, stamped in cap

Subdivision of T. 4 S., R. 8 E.

Chains

1/4 S 9 in N. half
S 16 1911 in S. half

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

58.00 Bend in wash, course SW. from SE.

77.09 Falls 14 lks. S. of old cor. of secs. 15, 16, 21 and 22, which is an old post and rock mound. I destroy this cor.

78.00 Summit of ridge, brs. N. and S.

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

Land, rolling and broken.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde and palo fierro, and cactus.

From the 1/4 sec. cor. bet. secs. 16 and 21, I run
N. 0° 02' E. through the middle of sec. 16, on a random line.

40.00 Set temp. center 1/4 sec. cor.

79.94 Falls 14 lks. E. of the 1/4 sec. cor. bet. secs. 9 and 16.
Move temp. center 1/4 sec. cor. 7 lks. W.

From the 1/4 sec. cor. bet. secs. 15 and 16, I run
S. 89° 55' W. on a random line through the middle of sec. 16.

39.91 Falls 8 lks. S. of temp. center 1/4 sec. cor.

79.82 Falls 10 lks. S. of the 1/4 sec. cor. bet. secs. 16 and 17.
(Point for center 1/4 sec. cor. is therefore 3 lks. S. 0° 04' E. of temp. cor.)

Thence I run
N. 89° 59' E. on a true line through the middle of sec. 16.
Over rolling, broken land, through open brush.

5.00 Road, brs. NE. and SW.

16.00 Main wash, course S.

38.00 Dim road, brs. N. and S.

39.91 Set an iron post for center 1/4 sec. cor. of sec. 16, stamped in cap

C 1/4 S 16 in center
1911 in S.

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

46.00 Wash, course SW.

Subdivision of T. 4 S., R. 8 E.

Chains

74.00 Road, brs. NE. and SW.

76.00 Wash, course SW.

79.82 (39.91) The 1/4 sec. cor. bet. secs. 15 and 16.

Land, rolling and broken.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde, and palo fierro,
full distance.

Returning to the 1/4 sec. cor. bet. secs. 16 and 21,
thence I run

N. 0° 04' W. on a true line through the middle of sec.16.

Over broken land, through open, scattered brush.

22.00 Road, brs. NE. and SW.

24.00 Wash, course SW.

30.00 Dim road, brs. NE. and SW.

39.97 The center 1/4 sec. cor. of sec. 16.

70.00 Dim road, brs, NE. and SW.

72.00 Wash, course W.

79.94 (39.97) The 1/4 sec. cor. bet. secs. 9 and 16.

Land, rolling and broken.
Soil, sandy and gravelly, 3rd rate.
Open and scattered palo verde, palo fierro, chaparral and
cactus, full distance.

From the cor. of secs. 9, 10, 15 and 16, I run

N. 89° 56' E. on a true line bet. secs. 10 and 15.

Over broken, land; through scattered brush.

10.00 Wash, course SE.

16.00 Wash, course S.

23.00 Wash, course SW.

33.00 Wash, course S.

37.23 Intersect the E. bdy. of the reservation 10 lks. S.0°08'E.
of the old 1/4 sec. cor. bet. secs. 10 and 15.

Set an iron post for cor. of secs. 10 and 15, stamped in
cap

T 4 S S 10 in NW.
R 8 E S 15 in SW.
G R I R in W.
1911 in S.
4 notches on S. and 2 notches on N. edge

Dig pits 24x24x12 ins. NW. and SW. of post 6 ft. dist.;
and raise a mound of earth 4 ft. base, 2 ft. high, W.
of cor.

Subdivision of T. 4 S., R. 8 E.

Chains

Land, rolling.
Soil, sandy and stony, 3rd rate.
Open and scattered brush of chaparral, palo verde, palo fierro, full distance.

From the 1/4 sec. cor. bet. secs. 15 and 16, I run
N. 89° 56' E. on a random line through the middle of sec. 15.

37.30 Intersect the E. bdy. of the reservation at x point for 1/4 sec. cor. of sec. 15, which point is midway bet. the cor. of secs. 10 and 15, and 15 and 22.

Returning to the 1/4 sec. cor. bet. secs. 15 and 16, thence I run

N. 89° 56' E. on a true line through the middle of sec. 15.

Over rolling land, through scattered brush.

8.00 Wash, course NW.

14.00 Wash, course NW.

18.00 Wash, course NW.

21.50 Wash, course NW.

24.00 Summit of small knoll.

26.00 Gulch, course N.

29.00 Top of low ridge, brs. N. and S.

32.00 Wash, course NE.

34.00 Gulch, course N.

37.00 Summit of low ridge, brs. N. and S.

37.30 Set an iron post for 1/4 sec. cor. of sec. 15, on the E. bdy. of the reservation, stamped in cap

1/4 S 15 G R I R in W.
1911 in S.

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

Land, rolling and broken.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo fierro and palo verde, full distance.

From the cor. of secs. 9, 10, 15 and 16, I run

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

Over rolling land, through open brush.

1.70 Low ridge, brs. N. and S.

4.00 Summit of NE. spur of same ridge.

Subdivision of T. 4 S., R. 8 E.

Chains

14.40 Wash, course W.

18.00 Wash, course W.

26.00 Wash, course W.

31.00 Wash, course W.

38.00 Wash, course W.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10, stamped in cap

$\frac{1}{4}$ S 9 in W. half
S 10 in E. half
1911 in S.

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

42.00 Wash, course W.

76.00 Wash, course W.

80.00 Set an iron post for cor. of secs. 3, 4, 9 and 10, stamped in cap

T 4 S S 3 in NE. quadrant
R 8 E S 10 in SE. quadrant
S 9 in SW. quadrant
S 4 in NW. quadrant

1911 in S.
5 notches on S. and 3 notches on E. edge

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, rolling and broken.
Soil, sandy and stony, 3rd rate.
Scattered brush of chaparral, palo verde and palo fierro, full distance.

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

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

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

Thence I run

S. 89° 58' E. on a true line bet. secs. 4 and 9.

Over rolling, broken land, through open brush.

3.50 Road, brs. NW. and SE.

26.00 Wash, course SE.

36.00 Wash, course S.

39.93 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 4 and 9, stamped in cap

$\frac{1}{4}$ S 4 in N. half
S 9 1911 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. 4 S., R. 8 E.

Chains

- 43.50 Wash, course SE.
- 45.00 Road, brs. N. 30° E. and S. 30° W.
- 48.00 Wash, course S.
- 68.00 Wash, course N. 60° W.
- 72.00 Wash, course N. 60° W.
- 74.00 Wash, course NW.
- 79.86 The cor. of secs. 3, 4, 9 and 10.
Land, rolling and broken.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde, and palo fierro,
full distance.
-
- From the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 16, I run
N. 0° 02' E. on a random line through the middle of sec. 9.
- 40.00 Set temp. center $\frac{1}{4}$ sec. cor.
- 79.95 Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 9.
- From the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10, I run
N. 89° 56' W. on a random line through the middle of sec.
9.
- 39.96 Falls 1 lk. N. of temp. center $\frac{1}{4}$ sec. cor.
- 79.80 Falls 14 lks. N. of ~~temp~~ $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9.
(Point for center $\frac{1}{4}$ sec. cor. is therefore 6 lks. S. 0° 02' W.
of temp. cor.)
- Thence I run
N. 89° 58' E. on a true line through the middle of sec. 9.
Over rolling land, through open brush.
- 8.00 Wash, course SE.
- 18.00 Wash, course SE.
- 28.00 Road, brs. N. 30° E. and S. 30° W.
- 30.00 Wash, course S. 30° E.
- 39.84 Set an iron post for center $\frac{1}{4}$ sec. cor. of sec. 9, stamped
in cap
- C $\frac{1}{4}$ S 9 in center
1911 in S.
- Dig pits 18x18x12 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.
- 79.80 (39.96) The $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10.
Land, rolling and broken.
Soil, sandy and stony, 3rd rate.

Subdivision of T. 4 S., R. 8 E.

Chains

Open brush of chaparral, palo verde and palo fierro, full distance.

Returning to the 1/4 sec. cor. bet. secs. 9 and 16, thence I run

N. 0° 02' E. on a true line through the middle of sec. 9.

Over broken land, through scattered brush.

6.00 Wash, course S. 60° W.

32.00 Wash, course SW.

39.94 The center 1/4 sec. cor. of sec. 9.

66.00 Wash, course S. 30° W.

68.00 Road, hrs. N. 30° E. and S. 30° W.

70.00 Road, hrs. SW. and E.

79.95 (40.01) The 1/4 sec. cor. bet. secs. 4 and 9.

Land, rolling and broken.

Soil, sandy and stony, 3rd rate.

Open brush of chaparral, palo verde and palo fierro, full distance.

April 26, 1911. At the cor. of secs. 3, 4, 9 and 10, I set off 13° 21' N. on the decl. arc, and at apparent Noon, observe the sun on the meridian; the resulting lat. is 33° 06', which is the proper lat.

Thence I run

N. 89° 56' E. on a true line bet. secs. 3 and 10.

Over rolling land, through open brush.

36.93 Intersect the E. bdy. of the reservation 32 lks. S. 0° 08' E. of the old 1/4 sec. cor. bet. secs. 3 and 10.

Set an iron post for cor. of secs. 3 and 10, stamped in cap

T 4 S S 3 in NW.

R 8 E S 10 in SW.

G R I R in W.

1911 in S.

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

Dig pits 24x24x12 ins. NW. and SW. of post 6 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling and broken.

Soil, sandy loam, 1st rate.

Open brush of chaparral, palo verde and palo fierro, full distance.

From the 1/4 sec. cor. bet. secs. 9 and 10, I run

N. 89° 56' E. on a random line through the middle of sec. 10.

Subdivision of T. 4 S., R. 8 E.

Chains

37.14 Intersect the reservation bdy. at point for 1/4 sec. cor. of sec. 10, which point is midway bet. the cor. of secs. 3 and 10 and 10 and 15.

Returning to the 1/4 sec. cor. bet. secs. 9 and 10, thence I run

N. 89° 56' E. on a true line through the middle of sec.10. Over rolling land, through open brush.

10.75 Summit of low ridge, brs. N. and S.

22.00 Wash, course N.

28.50 Summit of low ridge, brs. N. and S.

33.50 Wash, course SE.

37.14 Set an iron post for 1/4 sec. cor. of sec. 10, on E. bdy. of reservation, stamped in cap

1/4 S 10 G R I R in W.
1911 in S.

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

Land, rolling and broken.
Soil, sandy and stony, 3rd rate.
Open brush of sage, chaparral, palo verde and palo fierro, full distance.

From the cor. of secs. 3, 4, 9 and 10, I run

N. 0° 02' E. on a true line bet. secs. 3 and 4.

Over rolling land, through open brush.

39.00 Road, brs. NE. and SW.

40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 3 and 4, stamped in cap

1/4 S 4 in W. half
S 3 in E. half
1911 in S.

Dig pits 12x18x12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

46.00 Road, brs. NE. and SW.

74.00 Road, brs. NW. and SE.

79.05 Intersect the N. bdy. of the reservation, 3.96 chs. S. 89° 52' E. of the old cor. of secs. 3, 4, 33 and 34, which cor. now refers to secs. 33 and 34, T. 3 S., R. 8 E. only.

Set an iron post for cor. of secs. 3 and 4, stamped in cap

T 4 S S 4 in SW.
R 8 E S 3 in SE.
G R I R 1911 in S.
3 notches on E. and W. edges

Subdivision of T. 4 S., R. 8 E.

Chains

Dig pits 24x24x12 ins. SE. and SW. of post 6 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

Land, rolling and broken.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde and palo fierro, full distance.

From the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 9, I run
N. $0^{\circ} 02'$ E. on a random line through the middle of sec. 4.

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

79.09 Intersect the N. bdy. of tp. (which is also the N. bdy. of the reservation) 10 lks. E. of point for $\frac{1}{4}$ sec. cor. of sec. 4, which point is 4.02 chs. S. $89^{\circ} 56'$ E. of the old $\frac{1}{4}$ sec. cor. bet. secs. 4 and 33, which cor. now refers to sec. 33, T. 3 S., R. 8 E. only.

Move temp. center $\frac{1}{4}$ sec. cor. 5 lks. W.

From the $\frac{1}{4}$ sec. cor. bet. secs. 3 and 4, I run
N. $89^{\circ} 58'$ W. on a random line through the middle of sec. 4.

39.94 Falls 6 lks. N. of temp. center $\frac{1}{4}$ sec. cor.

79.92 Falls 10 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 5.

(Point for center $\frac{1}{4}$ sec. cor. is therefore 1 lk. N. $0^{\circ} 02'$ W. of temp. cor.)

Thence I run

N. $89^{\circ} 58'$ E. on a true line through the middle of sec. 4.

Over rolling land, through open brush.

6.00 Wash, course SW.

14.00 Wash, course SW.

26.00 Summit of ridge, brs. N. and S.

32.00 Wash, course SE.

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

C $\frac{1}{4}$ S 4 in center
1911 in S.

Dig pits 18x18x12 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.

48.00 Road, brs. N. and S.

73.00 Road, brs. NE. and SW.

79.92 (39.94) The $\frac{1}{4}$ sec. cor. bet. secs. 3 and 4.

Subdivision of T. 4 S., R. 8 E.

Chains.

Land, rolling and broken.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde, and palo fierro, full distance.

Returning to the 1/4 sec. cor. bet. secs. 4 and 9,
thence I run

N. 0° 02' W. on a true line through the middle of sec. 4.

Over rolling land, through open brush.

3.00 Wash, course E.

38.00 Wash, course E.

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

48.00 Wash, course SW.

79.09 (39.08) Set an iron post for 1/4 sec. cor. of sec. 4, on
N. bdy. of Tp., (which is also the N. bdy. of the
reservation, stamped in cap

1/4 S 4 G R I R 1911 in S.

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.;
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high,
S. of cor.

Land, rolling.
Soil, sandy and stony, 3rd rate.
Open brush of chaparral, palo verde, and palo fierro,
full distance.

From the 1/4 sec. cor. bet. secs. 3 and 4, I run

N. 89° 56' E. on a random line through the middle of sec.
3.

36.48 Intersect the N. bdy. of the reservation, 2 lks. N. 0°
40' W. of point for 1/4 sec. cor. of sec. 3, which point
is 40.00 chs. N. 0° 40' W. of cor. of secs. 3 and 10.

Returning to the 1/4 sec. cor. bet. secs. 3 and 4, thence
I run

N. 89° 58' E. on a true line through the middle of sec. 3.

Over rolling land, through open brush.

1.00 Road, brs. NE. and SW.

26.50 Road, brs. NW. and SE.

36.48 Set an iron post for 1/4 sec. cor. of sec. 3, on N. bdy.
of reservation, stamped in cap

1/4 S 3 G R I R in W.
1911 in S.

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

Subdivision of T. 4 S., R. 8 E.

Chains

Land, rolling.
Soil, sandy and stony, 2nd rate.
Open brush of chaparral, palo verde and palo fierro, full distance.

April 26, 1911.

Meanders of left bank of Gila River,
down stream.

April 27, 1911. At 8.00 a.m., l.m.t., I set off 33° 02' on the lat. arc, 13° 34' N. on the decl. arc, and determine a meridian with the solar, at the M.C. bet. secs. 5 and 32, on S. bdy. of Tp.

Thence I run with meanders along the left bank of Gila River, in sec. 32, down stream.

Over level land, through edges of cultivated fields.

N. 66° 31' W., 38.88 chs. To 1/16 M.C.

N. 54° 21' W., 24.61 " To M.C. bet. secs. 31 and 32.

Land, level; irrigable, (cultivated near bank of river).
Soil, sandy loam, 1st rate.

Thence in sec. 31.

Over level land, along edge of cultivated field.

N. 63° 40' W., 22.32 chs. To 1/16 M.C.

N. 47° 06' W., 27.32 " To 1/16 M.C.

N. 63° 46' W., 22.28 " To 1/16 M.C.
At 3.50 chs. - road at ford
brs. N.20°E. and S.20°W.

N. 65° 14' W., 22.01 " To M.C. bet. secs. 31 and 36,
on W. bdy. of Tp.

Land, level, irrigable.
Soil, sandy loam, 1st rate.

Meanders of right bank of Gila River,
down stream.

From the M.C. bet. secs. 4 and 33, on S. bdy. of Tp.,

I run with meanders along the right bank of Gila River,
in sec. 33, down stream.

Over level land, along edge of cultivated fields.

N. 43° 03' W. 6.26 chs. To 1/16 M.C.

Subdivision of T. 4 S., R. 8 E.

N. 40° 16' W., 20.25 chs. To 1/16 M.C.
 N. 63° 45' W., 7.66 " To M.C. bet. secs. 32 and 33.
 Land, level; irrigated.
 Soil, sandy loam, 2nd rate.

Thence in sec. 32.

Over level land, along edge of cultivated field.
 N. 43° 50' W., 28.92 chs. To 1/16 M.C.
 N. 53° 47' W., 24.80 " To 1/16 M.C.
 N. 64° 10' W., 22.21 " To 1/16 M.C.
 N. 34° 38' W., 13.78 " To M.C. bet. secs. 29 and 32.
 Land, level; irrigated.
 Soil, sandy loam, 1st rate.

Thence in sec. 29.

Over level land.
 N. 47° 33' W., 16.54 chs. To M.C. bet. secs. 29 and 30.
 Land, level; irrigated.
 Soil, sandy loam, 1st rate.

Thence in sec. 30.

Over level land, along edge of cultivated field.
 N. 70° 04' W., 21.27 chs. To 1/16 M.C.
 At 19.00 chs. - road, brs. NE.
 and SW.
 S. 78° 38' W., 20.40 " To 1/16 M.C.
 N. 57° 03' W., 14.20 " Set an iron post for angle
 point, mkd. A P 1911.
 N. 11° 56' E., 20.25 " Set an iron post for angle
 point, mkd. A P 1911.
 N. 9° 23' W., 17.02 " Set an iron post for angle
 point, mkd. A P 1911.
 N. 71° 45' W., 4.21 " To 1/16 M.C.
 N. 71° 45' W., 5.75 " To 1/16 M.C.
 N. 61° 54' W., 22.63 " To M.C. bet. secs. 25 and 30,
 on W. bdy. of Tp.
 Land, level; irrigated.
 Soil, sandy loam, 1st rate.

April 27, 1911.

Subdivision of T. 4 S., R. 8 E.

GENERAL DESCRIPTION.

This township consists of level, irrigable land, along the Gila River bottom, which is under cultivation. The northern portion is high, rolling, and mountainous.

The soil ranges from a sandy loam, first rate, to stony and rocky, 3rd rate.

Several hundred Indians are living in this township. They live in villages of from 5 to 10 families, and each family has a field of 10 to 20 acres.

Guy P. Harrington,
U. S. Surveyor.

List of Assistants:

- Earl G. Harrington, Instrumentman
- Hugh M. Neighbour, "
- A. O. Stinson, Chairman
- Myron E. Hays "
- Archie J. Strane "
- E.W. Hoagland "
- J. W. Rodgers, Moundsman
- Fred J. Bergener "
- Louis G. Hurst, Flagman
- Chas. Hoebeke "
- Clifford McLaughlin, Axeman
- Elmer L. Nye "

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

I hereby certify that the survey of the subdivision lines in T. 4 S., R. 8 E., within the Gila River Indian Reservation, Arizona, was made under my supervision and direction, 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. Drummond

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 3 columns: NAME, PERIOD OF SERVICE (BEGUN, ENDED), and CAPACITY. The table contains several rows with faint, illegible text in the NAME column.

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

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ECCN 1415

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 boundaries)

_____ 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 in T. 4 S., R. 8 E.,
within the Gila River Indian Reservation, Arizona,

executed by Guy P. Harrington, U.S. Surveyor, under direction of A.F. Dunnington
Topographer in Charge of Indian Surveys, Oct. 11, 1910, having been under his special instructions dated _____, 1910, 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