

BOOK 8461

FIELD NOTES

OF ~~THE SURVEY~~ THE Extension Survey and
Independent Resurvey of
Subdivision Lines

of

TOWNSHIP 3 SOUTH RANGE 2 EAST

Within the Gila River Indian Reservation

Of the Gila & Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Robert A. Farmer, Topographer

In the capacity of U. S. Surveyor, under instructions dated Oct. 11, 1910,

Commissioner of the General Land Office to A. F. Dunnington,
issued by the ~~United States Surveyor General to govern surveys included in~~
Topographer in Charge of Indian Surveys

~~Group No. , which were approved by the Commissioner of the General Land~~

~~Office, 191, pursuant to authority contained in the Act of~~

~~Congress dated , 191-~~

Survey commenced January 3, 1912

Survey completed February 7, 1912

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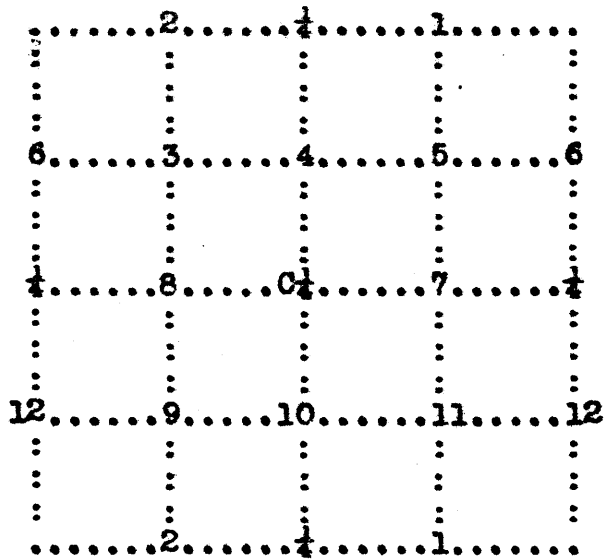
BOOK 3461

INDEX DIAGRAM.

Township 3 South, Range 2 East

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



Subdivision of T. 3 S., R. 2 E.

Chains

Survey commenced Jan. 3, 1912, by R. A. Farmer, Topographer, and executed with a Young & Sons light mountain transit No. 8248, with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

JAN. 3, 1912. At camp, in Sec. 14, T. 3 S., R. 2 E., at 12h 46m a.m., l.m.t., I observe Polaris at western elongation, in accordance with instructions in the Manual, and mark the line thus determined by a tack driven in a wooden peg set in the ground 10 chs. northerly from my station.

Jan. 3, 1912. At 8.00 a.m., l.m.t., I turn off the Azimuth of Polaris 1° 23' to the E., and mark the meridian thus determined by a tack in a peg driven in the ground east of the point established last night.

The magnetic bearing of said meridian is N. 14° 27' W., which gives the magnetic declination 14° 27' E.

I test my instrument on this meridian and find it correct; and also test the instrument at various times while subdividing this township.

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 SE. cor. of this township is in lat. 33° 07' N., long. 112° 06' W.

Jan. 5, 1912. At 8.00 a.m., l.m.t., I set off 22° 39' S. on the decl. arc, 33° 06' on the lat. arc, and determine a meridian with the solar, at the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp.

Thence I run

N. 0° 01' W. bet. secs. 35 and 36.

Over level land, through sage brush.

1.30 Dry wash, 20 lks. wide, course N. 80° E.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 35 and 36 (S½) stamped in cap

1/16 S 35 in W. half
S 36 in E. half
No 12 in N.
1912 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.

34.00 Dry wash, 20 lks. wide, course NE.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 35 and 36, stamped in cap

¼ S 35 in W. half
S 36 in E. half
1912 in S.

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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.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 35 and 36 (N 1/2) stamped in cap

1/16 S 35 in W. half
S 36 in E. half
No 6 in N.
1912 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.

80.00 Set an iron post for the cor. of secs. 25, 26, 35 and 36, stamped in cap

T 3 S S 25 in NE. quadrant
R 2 E S 36 in SE. "
S 35 in SW. "
S 26 in NW. "
1912 in S.
1 notch on S. and 1 notch 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.

(After diligent search, no trace of the old cor. is found).

Land, level. (Agricultural).
Soil, alkali, 2nd rate.
Brush, sage.

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

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 7 lks. N. of the cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp.

Thence I run

N. 89° 57' W. on a true line bet. secs. 25 and 36.

Over level land, through sage brush.

20.00 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 25 and 36 (E 1/2) stamped in cap

No 1 1/16 S 25 in N. half
S 36 1912 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.

29.40 Dry wash, 40 lks. wide, course NE.

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Chains

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 25 and 36, stamped in cap

$\frac{1}{4}$ S 25 in N. half
S 36 1912 in S. half

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

(After diligent search, no trace of the old $\frac{1}{4}$ sec. cor. is found).

46.20 Dry wash, 35 lks. wide, course NE.

56.00 Dry wash, 20 lks. wide, course NE.

60.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 2, bet. secs. 25 and 36 ($W\frac{1}{2}$), stamped in cap

No 2 $\frac{1}{16}$ S 25 in N. half
S 36 1912 in S. half

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

80.00 The cor. of secs. 25, 26, 35 and 36.

Land, level. (Agricultural).
Soil, alkali, 2nd rate.
Brush, sage.

From the $\frac{1}{16}$ sec. cor. No. 12, bet. secs. 35 and 36, I run

East on a random line through the middle of the S. half of sec. 36.

20.00 Set temp. $\frac{1}{16}$ sec, cor.

40.00 Set temp. $\frac{1}{16}$ sec. cor.

60.00 Set temp. $\frac{1}{16}$ sec. cor.

80.00 Falls 5 lks. S. of the $\frac{1}{16}$ sec. cor. No. 12, bet. secs. 31 and 36 ($S\frac{1}{2}$), on E. bdy. of Tp.

Thence I run

S. $89^{\circ} 58'$ W. on a true line through the middle of the S. half of sec. 36.

Over level land, through sage brush.

6.80 Dry wash, 20 lks. wide, course NE.

20.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 11, in the center of the $SE\frac{1}{4}$ of sec. 36, stamped in cap

No 11 in N.
 $\frac{1}{16}$ S 36 in center
1912 in S.

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

40.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 10, bet. the SE.

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Chains

and SW. quarters of sec. 36, stamped in cap

No 10 in N.
1/16 S 36 in center
1912 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.

54.70 Indian hut brs. S., 5.00 chs. dist.

60.00 Set an iron post for 1/16 sec. cor. No. 9, in the center
of the SW 1/4 of sec. 36, stamped in cap

No 9 in N.
1/16 S 36 in center
1912 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.

62.60 Wash, 50 lks. wide, course N. 30° E.

80.00 The 1/16 sec. cor. No. 12, bet. secs. 35 and 36 (S 1/2).

Land, level. (Agricultural).
Soil, alkali, 2nd rate.
Brush, sage.

From the 1/4 sec. cor. bet. secs. 35 and 36, I run
East on a random line through the middle of sec. 36.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. center 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the 1/4 sec. cor. bet. secs. 31 and 36, on E. bdy.
of Tp.

Thence I run

West on a true line through the middle of sec. 36.

Over level land, through sage brush.

20.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE. and
SE. quarters of sec. 36, stamped in cap

No 7 in N.
1/16 S 36 in center
1912 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.

38.00 Dry wash, 50 lks. wide, course N. 60° E.

40.00 Set an iron post for center 1/4 sec. cor. of sec. 36,
stamped in cap

C 1/4 S 36 in center
1912 in S.

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Sec 36

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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.

60.00 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW. and SW. quarters of sec. 36, stamped in cap

No 8 in N.
1/16 S 36 in center
1912 in S.

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

80.00 The ¼ sec. cor. bet. secs. 35 and 36.

Land, level. (Agricultural).
Soil, alkali, 2nd rate.
Brush, sage.

Jan. 5, 1912. At the 1/16 sec. cor. No. 6, bet. secs. 35 and 36 (N½), I set off 22° 43' S. on the decl. arc, and at 12h 05m 05s, p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 07', which is within one minute of the proper lat.

Thence I run

East on a random line through the middle of the N. half of sec. 36.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the 1/16 sec. cor. No. 6, bet. secs. 31 and 36^(N½) on E. bdy. of Tp.

Thence I run

West on a true line through the middle of the N. half of sec. 36.

Over level land, through sage brush.

16.00 Dry wash, 40 lks. wide, course NE.

20.00 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE¼ of sec. 36, stamped in cap

No 5 in N.
1/16 S 36 in center
1912 in S.

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

32.00 Dry wash, 40 lks. wide, course N. 30° E.

40.00 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 36, stamped in cap

No 4 in N.
1/16 S 36 in center
1912 in S.

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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.

52.40 Dry wash, 40 lks. wide, course NE.

60.00 Set an iron post for the 1/16 sec. cor. No. 3, in the center of the NW¼ of sec. 36, stamped in cap

No 3 in N.
1/16 S 36 in center
1912 in S.

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

80.00 The 1/16 sec. cor. No. 6, bet. secs. 35 and 36 (N½)

Land, level. (Agricultural.)
Soil, alkali, 2nd rate.
Brush, sage.

From the cor. of secs. 25, 26, 35 and 36, I run
N. 0° 01' W. bet. secs. 25 and 26.
Over level land, through sage brush.

2.00 Dry wash, 40 lks. wide, course E.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 25 and 26 (S½), stamped in cap

1/16 S 26 in W. half
S 25 in E. half
No 12 in N.
1912 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.

24.40 Dry wash, 25 lks. wide, course E.

39.00 Dry wash, 20 lks. wide, course N. 70° E.

40.00 Set an iron post for the ¼ sec. cor. bet. secs. 25 and 26, stamped in cap

¼ S 26 in W. half
S 25 in E. half
1912 in S.

Dig pits 18x13x12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

(After diligent search, no trace of the old ¼ sec. cor. is found).

44.40 Dry wash, 70 lks. wide, course N. 70° E.

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 25 and 26 (N½), stamped in cap

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1/16 S 26 in W. half
 S 25 in E. half
 No 6 in N.
 1912 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.

61.90 Dry wash, 25 lks. wide, course S. 70° E.

80.00 Set an iron post for the cor. of secs. 23, 24, 25 and 26,
 stamped in cap

T 3 S S 24 in NE. quadrant
 R 2 E S 25 in SE. quadrant
 S 26 in SW. quadrant
 S 23 in NW. quadrant

1912 in S.

2 notches on S. and 1 notch 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.

(After diligent search, no trace of the old cor. is found)

Land, level.

Soil, alkali, 2nd rate.

 S. 89° 57' E. on a random line bet. secs. 24 and 25.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. ¼ sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the cor. of secs. 19, 24, 25 and 30, on W. bdy.
 of Tp.

Thence I run

N. 89° 57' W. on a true line bet. secs. 24 and 25.

Over level land, through sage brush and salt grass.

15.60 Road, brs. NW. and SE.

20.00 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 24
 and 25 (E½), stamped in cap

No 1 1/16 S 24 in N. half
 S 25 1912 in S. half

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

26.00 Leave salt grass, brs. N. 30° E. and S. 30° W.

40.00 Set an iron post for the ¼ sec. cor. bet. secs. 24 and 25,
 stamped in cap

¼ S 24 in N. half
 S 25 1912 in S. half

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

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

(After diligent search, no trace of the old ¼ sec. cor. is
found).

60.00 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 24
and 25 (W½), stamped in cap

No 2 1/16 S 24 in N. half
S 25 1912 in S. half

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

68.80 Dry wash, 20 lks. wide, course N.

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

Land, level. (Agricultural).
Soil, alkali, 2nd rate.
Brush, sage; and salt grass.

Jan. 5, 1912.

Jan. 6, 1912. At 8.00 a.m., l.m.t., I set off 33° 08' on
the lat. arc, 22° 33' S. on the decl. arc, and determine
a meridian with the solar at the 1/16 sec. cor. No. 12,
bet. secs. 25 and 26 (S½).

Thence I run

S. 89° 57' E. on a random line through the middle of the
S. half of sec. 25.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the 1/16 sec. cor. No. 12, bet. secs. 25 and 30,
(S½) on E. bdy. of Tp.

Thence I run

N. 89° 57' W. on a true line through the middle of the
S. half of sec. 25.

Over level land, through sage brush.

20.00 Set an iron post for 1/16 sec. cor. No. 11, in the center
of the SE¼ of sec. 25, stamped in cap

No 11 in N.
1/16 S 25 in center
1912 in S.

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

26.00 Dry wash, 30 lks. wide, course N. 10° E.

40.00 Set an iron post for the 1/16 sec. cor. No. 10, bet. the
SE. and SW. quarters of sec. 25, stamped in cap

No 10 in N.
1/16 S 25 in center
1912 in S.

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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.

60.00 Set an iron post for 1/16 sec. cor. No. 9, in center of the SW 1/4 of sec. 25, stamped in cap

No 9 in N.
1/16 S 25 in center
1912 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.

68.00 Dry wash, 50 lks. wide, course N.

80.00 The 1/16 sec. cor. No. 12, bet. secs. 25 and 26 (S 1/2).

Land, level. (Agricultural).
Soil, alkali, 2nd rate.
Brush, sage.

From the 1/4 sec. cor. bet. secs. 25 and 26, I run S. 89° 57' E. on a random line through the middle of sec. 25.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. center 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the 1/4 sec. cor. bet. secs. 25 and 30, on E. bdy. of Tp.

Thence I run

N. 89° 57' W. on a true line through the middle of sec. 25.

Over level land, through sage brush.

20.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE. and SE. quarters of sec. 25, stamped in cap

No 7 in N.
1/16 S 25 in center
1912 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.

40.00 Set an iron post for center 1/4 sec. cor. of sec. 25, stamped in cap

C 1/4 S 25 in center
1912 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.

53.50 Dry wash, 20 lks. wide, course N. 10° E.

60.00 Set an iron post for the 1/16 sec. cor. No. 8, bet. the

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Chains	
	NW. and SW. quarters of sec. 25, stamped in cap No 8 in N. 1/16 S 25 in center 1912 in S. Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
78.50	Dry wash, 20 lks. wide, course N. 30° E.
80.00	The ¼ sec. cor. bet. secs. 25 and 26. Land, level. (Agricultural). Soil, alkali, 2nd rate. Brush, sage.

	From the 1/16 sec. cor. No. 6, bet. secs. 25 and 26 (N½) I run S. 89° 57' E. on a random line through the middle of the N. half of sec. 25.
20.00	Set temp. 1/16 sec. cor.
40.00	Set temp. 1/16 sec. cor.
60.00	Set temp. 1/16 sec. cor.
80.00	Intersect the 1/16 sec. cor. No. 6, bet. secs. 25 and 30, (N½) on E. bdy. of Tp. Thence I run N. 89° 57' W. on a true line through the middle of the N. half of sec. 25. Over level land, through sage brush.
.90	Road, brs. N. 15° W. and S. 15° E.
20.00	Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE¼ of sec. 25, stamped in cap No 5 in N. 1/16 S 25 in center 1912 in S. Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
40.00	Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 25, stamped in cap No 4 in N. 1/16 S 25 in center 1912 in S. Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
43.40	Dry wash, 80 lks. wide, course N.
60.00	Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW¼ of sec. 25, stamped in cap

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No 3 in N.
1/16 S 25 in center
1912 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.

67.70 Dry wash, 90 lks. wide, course N. 20° E.

75.90 Dry wash, 20 lks. wide, course N. 10° E.

80.00 The 1/16 sec. cor. No. 6, bet. secs. 25 and 26. (N 1/2).

Land, level. (Agricultural).
Soil, alkali, 2nd rate.
Brush, sage.

Jan. 6, 1912. At the cor. of secs. 23, 24, 25 and 26,
I set off 23° 31' S. on the decl. arc, and at 12h 5m 32s
p.m., l.m.t., 22° 31', observe the sun on the meridian; the re-
sulting lat. is 33° 08', which is within 1' of the pro-
per lat.

Thence I run

N. 0° 01' W. bet. secs. 23 and 24.

Over level land, through sage brush.

9.50 Dry wash, 30 lks. wide, course N. 70° E.

14.10 Dry wash, 20 lks. wide, course N. 70° E.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 23
and 24 (S 1/2), stamped in cap

1/16 S 23 in W. half
S 24 in E. half
No 12 in N.
1912 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 1/4 sec. cor. bet. secs. 23 and 24,
stamped in cap

1/4 S 23 in W. half
S 24 in E. half
1912 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.

(After diligent search, no trace of the old cor. is found)

49.80 Road, brs. NW. and SE.

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 23
and 24 (N 1/2) stamped in cap

1/16 S 23 in W. half
S 24 in E. half
No 6 in N.
1912 in S.

Subdivision of T. 3 S., R. 2 E.

Chains

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.

80.00 Set an iron post for the cor. of secs. 13, 14, 23 and 24, stamped in cap

T 3 S S 13 in NE. quadrant
R 2 E S 24 in SE. quadrant
S 23 in SW. quadrant
S 14 in NW. quadrant
1912 in S.
3 notches on S. and 1 notch on E. edge

(After diligent search, no trace of old cor. is found).

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. (Agricultural).
Soil, 2nd rate.
Brush, sage.

S. 89° 57' E. on a random line bet. secs. 13 and 24.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. ¼ sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., previously described.

Thence I run

N. 89° 57' W. on a true line bet. secs. 13 and 24.

Over level land, through mesquite brush.

5.00 Enter mesquite timber, brs. N. and S.

20.00 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 13 and 24 (E½) stamped in cap

No 1 1/16 S 13 in N. half
S 24 1912 in S. half, from which

A mesquite 5 ins. dia. brs. N. 40° E., 89 lks. dist.
Mkd. 1/16 S 13 B T.

A mesquite 5 ins. dia. brs. S. 9¼° E., 56 lks. dist.
Mkd. 1/16 S 24 B T.

31.20 Santa Cruz Wash, running water 15 lks. wide, course N.

31.40 Leave mesquite brush and timber, brs. N. and S.
Enter sage brush.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 13 and 24, stamped in cap

¼ S 13 in N. half
S 24 1912 in S. half

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

Subdivision of T. 3 S., R. 2 E.

Chains

(After diligent search, no trace of the old $\frac{1}{4}$ sec. cor. is found).

60.00 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 13 and 24 ($W\frac{1}{2}$), stamped in cap

No 2 1/16 S 13 in N. half
S 24 1912 in S. half

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

80.00 The cor. of secs. 13, 14, 23 and 24.

Land, level. (Agricultural).
Soil, 2nd rate.
Brush and timber, mesquite, 26.40 chs.

From the 1/16 sec. cor. No. 12, bet. secs. 23 and 24 ($S\frac{1}{2}$) I run

S. $89^{\circ} 57'$ E. on a random line through the middle of the S. half of sec. 24.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 4 lks. S. of the 1/16 sec. cor. No. 12, bet. secs. 19 and 24, on E. bdy. of Tp., ($S\frac{1}{2}$).

Thence I run

N. $89^{\circ} 59'$ W. on a true line through the middle of the S. half of sec. 24.

Over level land, through mesquite brush and timber.

6.00 Santa Cruz Wash, 30 lks. wide, course N. 10° W.

16.00 Leave mesquite brush and timber, brs. N. and S.

20.00 Set an iron post for 1/16 sec. cor. No. 11, in the center of the $SE\frac{1}{4}$ of sec. 24, stamped in cap

No 11 in N.
1/16 S 24 in center
1912 in S.

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

40.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 24, stamped in cap

No 10 in N.
1/16 S 24 in center
1912 in S.

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

52.00 Road, brs. NE. and SW.

Subdivision of T. 3 S., R. 2 E.

Chains

57.00 Dry wash, 25 lks. wide, course NE.

60.00 Set an iron post for 1/16 sec. cor. No. 9, in the center of the SE 1/4 of sec. 24, stamped in cap

No 9 in N.
1/16 S 24 in center
1912 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.

63.00 Dry wash, 20 lks. wide, course NE.

80.00 The 1/16 sec. cor. No. 12, bet. secs. 23 and 24. (8 1/2').

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

Jan. 6, 1912.

Jan. 8, 1912. At 8.00 a.m., l.m.t., I set off 33° 09' on the lat. arc, 22° 19' S. on the decl. arc, and determine a meridian with the solar, at the 1/4 sec. cor. bet. secs. 23 and 24.

Thence I run

S. 89° 57' E. on a random line through the middle of sec. 24.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. center 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 5 lks. S. of the 1/4 sec. cor. bet. secs. 19 and 24, on E. bdy. of Tp., previously described.

Thence I run

N. 89° 59' W. on a true line through the middle of sec. 24.

Over level land, through scattered brush and timber.

20.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE. and SE. quarters of sec. 24, stamped in cap

No 7 in N.
1/16 S 24 in center
1912 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 Leave timber and mesquite brush, hrs. N. and S.

31.00 Santa Cruz Wash, 20 lks. wide, running water, course N.

40.00 set an iron post for the center 1/4 sec. cor. bet. secs. 24, stamped in cap

C 1/4 S 24 in center
1912 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,

Subdivision of T. 3 S., R. 2 E.

Chains	
	2 ft. high, N. of cor.
60.00	Set an iron post for 1/16 sec. cor. No. 8, bet. the NW. and SW. quarters of sec. 24, stamped in cap No 8 in N. 1/16 S 24 in center 1912 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.
64.20	Road, brs. NW. and SE.
80.00	The 1/4 sec. cor. bet. secs. 23 and 24. Land, level. (Agricultural). Soil, 2nd rate. Brush, mesquite and sage. ----- From the 1/16 sec. cor. No. 6, bet. secs. 23 and 24 (N 1/2), I run S. 89° 57' E. on a random line through the middle of the N. half of sec. 24.
20.00	Set temp. 1/16 sec. cor.
40.00	Set temp. 1/16 sec. cor.
60.00	Set temp. 1/16 sec. cor.
80.00	Falls 4 lks. S. of the 1/16 sec. cor. No. 6, bet. secs. 19 and 24 (N 1/2), previously described. Thence I run N. 89° 59' W. on a true line through the middle of the N. half of sec. 24. Over level land, through sage brush.
6.80	Enter mesquite timber and brush, brs. N. and S.
15.80	Santa Cruz Wash, running water 20 lks. wide, course N.
20.00	Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE 1/4 of sec. 24, stamped in cap No 5 in N. 1/16 S 24 in center 1912 in S., from which A mesquite 5 ins. dia. brs. N. 30 1/2° E., 14 lks. dist. Mkd. 1/16 S 24 B T. A mesquite 24 ins. dia. brs. S. 81° E., 42 lks. dist. Mkd. 1/16 S 24 B T.
40.00	Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 24, stamped in cap No 4 in N. 1/16 S 24 in center 1912 in S., from which A mesquite 6 ins. dia. brs. N. 34 1/2° E., 115 lks. dist. Mkd. 1/16 S 24 B T.

Subdivision of T. 3 S., R. 2 E.

Chains	
	<p>A mesquite 6 ins. dia. brs. S. $21\frac{1}{2}^{\circ}$ W., 159 lks. dist. Mkd. 1/16 S 24 B T.</p>
60.00	<p>Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW$\frac{1}{4}$ of sec. 24, stamped in cap</p> <p style="padding-left: 40px;">No 3 in N. 1/16 S 24 in center 1912 in S., from which</p> <p>A mesquite 6 ins. dia. brs. S. $77\frac{1}{4}^{\circ}$ W., 122 lks. dist. Mkd. 1/16 S 24 B T.</p> <p>A mesquite 6 ins. dia. brs. N. $77\frac{1}{4}^{\circ}$ W., 116 lks. dist. Mkd. 1/16 S 24 B T.</p>
68.00	<p>Leave mesquite brush and timber; enter sage, brs. N. and S.</p>
80.00	<p>The 1/16 sec. cor. No. 6, bet. secs. 23 and 24 (N$\frac{1}{2}$).</p> <p>Land, level. (Agricultural). Soil, 2nd rate. Brush, mesquite, 71.20 chs.</p> <p>-----</p> <p>From the cor. of secs. 13, 14, 23 and 24, I run N. $0^{\circ} 01'$ W. bet. secs. 13 and 14. Over level alkali flat, through salt grass.</p>
20.00	<p>Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 13 and 14 (S$\frac{1}{2}$), stamped in cap</p> <p style="padding-left: 40px;">1/16 S 14 in W. half S 13 in E. half No 12 in N. 1912 in S.</p> <p>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.</p>
40.00	<p>Point for $\frac{1}{4}$ sec. cor. falls in slough bearing NE. and SW.</p>
41.50	<p>Set an iron post for W.C. to the $\frac{1}{4}$ sec. cor. bet. secs. 13 and 14, stamped in cap</p> <p style="padding-left: 40px;">$\frac{1}{4}$ S 14 in W. half S 13 in E. half W C 1912 in S.</p> <p>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.</p> <p>(After diligent search, no trace of the old $\frac{1}{4}$ sec. cor. is found).</p>
60.00	<p>Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 13 and 14 (N$\frac{1}{2}$), stamped in cap</p> <p style="padding-left: 40px;">1/16 S 14 in W. half S 13 in E. half No 6 in N. 1912 in S.</p> <p>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.</p>

BOOK 1907

Subdivision of T. 3 S., R. 2 E.

Chains

- 65.00 Santa Cruz Wash, 100 lks. wide, course NW.
- 67.50 Bank, 10 ft. high, brs. NW. and SE.
Leave alkali flat; enter sage brush and mesquite.
- 76.50 Enter mesquite timber, brs. N. 20° W. and S. 20° E.
- 80.00 Set an iron post for the cor. of secs. 11, 12, 13 and 14,
stamped in cap

T 3 S S 12 in NE. quadrant
 R 2 E S 13 in SE. "
 S 14 in SW. "
 S 11 in NW. "
 1912 in S.
 4 notches on S. and 1 notch on E. edge,

from which

- A mesquite 8 ins. dia. brs. N. 68° E., 47 lks. dist.
Mkd. T 3 S R 2 E S 12 B T.
- A mesquite 14 ins. dia. brs. S. 68° E., 37 lks. dist.
Mkd. T 3 S R 2 E S 13 B T.
- A mesquite 10 ins. dia. brs. S. 79½° W., 38 lks. dist.
Mkd. T 3 S R 2 E S 14 B T.
- A mesquite 8 ins. dia. brs. N. 58° W., 114 lks. dist.
Mkd. T 3 S R 2 E S 11 B T.

Land, level. (Agricultural).
 Soil, alkali, 2nd rate.
 Brush, sage and mesquite.

 S. 89° 57' E. on a random line bet. secs. 12 and 13.

- 20.00 Set temp. 1/16 sec. cor.
- 40.00 Set temp. ¼ sec. cor.
- 60.00 Set temp. 1/16 sec. cor.
- 80.00 Intersect the cor. of secs. 7, 12, 13 and 18, on E. bdy.
of Tp., previously described.
- Thence I run
- N. 89° 57' W. on a true line bet. secs. 12 and 13.
- Over level land, through mesquite timber.
- 18.00 Leave timber, brs. N. and S.
- 20.00 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 12
and 13 (R½), stamped in cap
- No 1 1/16 S 12 in N. half
S 13 1912 in S. half
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.;
and raise a mound of earth 3½ ft. base, 1½ ft. high,
N. of cor.
- 25.00 Enter timber, brs. N. and S.
- 40.00 Set an iron post for the ¼ sec. cor. bet. secs. 12 and 13,
stamped in cap
- ¼ S 12 in N. half
S 13 1912 in S. half, from which

Subdivision of T. 3 E., R. 2 F.

Chains

A mesquite 8 ins. dia. brs. S. 31° E., 19 lks. dist.
Mkd. $\frac{1}{4}$ S 13 B T.

A mesquite 8 ins. dia. brs. N. 75° W., 28 lks. dist.
Mkd. $\frac{1}{4}$ S 12 B T.

(After diligent search, no trace of the old $\frac{1}{4}$ sec. cor. is found).

47.50 Santa Cruz Wash, 10 lks. wide, running water, course NW.

51.90 Dry wash, 20 lks. wide, course NW.

58.00 Wash, 20 lks. wide, course N. 20° W.

60.00 Set an iron post for the 1/16 sec. cor. No. 2, bet. secs. 12 and 13 ($S\frac{1}{2}$), stamped in cap

No 2 1/16 S 12 in N. half
S 13 1912 in S. half, from which

A mesquite 8 ins. dia. brs. S. 19 $\frac{1}{2}$ ° W., 41 lks. dist.
Mkd. 1/16 S 13 B T.

A mesquite 6 ins. dia. brs. N. 63 $\frac{1}{2}$ ° W., 40 lks. dist.
Mkd. 1/16 S 12 B T.

72.00 Dry wash, 12 lks. wide, course NW.

80.00 The cor. of secs. 11, 12, 13 and 14.

Land, level. (Agricultural).

Soil, sandy, 1st rate.

Brush, mesquite and sage.

Timber, mesquite, 73.00 chs.

Jan. 8, 1912. At the 1/16 sec. cor. No. 12, bet. secs. 13 and 14 ($S\frac{1}{2}$), I set off 21° 18' S. on the decl. arc, and at 12h 06m 27s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 09', which is within one minute of the proper lat.

Thence I run

S. 89° 57' E. on a random line through the middle of the S. half of sec. 13.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 3 lks. S. of 1/16 sec. cor. No. 12, bet. secs. 13 and 18, ($S\frac{1}{2}$), on E. bdy. of Tp.

Thence I run

N. 89° 58' W. on a true line through the middle of sec. 13.

Over level land, through mesquite brush and timber.

20.00 Set an iron post for 1/16 sec. cor. No. 11, in the center of the $SE\frac{1}{4}$ of sec. 13, stamped in cap

No 11 in N.
1/16 S 13 in center
1912 in S., from which

A mesquite 8 ins. dia. brs. S. 36 $\frac{1}{2}$ ° E., 40 lks. dist.
Mkd. 1/16 S 13 B T.

Subdivision of T. 3 N., R. 2 E.

Chains

A mesquite 10 ins. dia. brs. N. 24½° W., 61 lks. dist.
Mkd. 1/16 S 12 B T.

34.80 Dry wash, 20 lks. wide, course SW.
Leave mesquite brush and timber, brs. N. and S.

40.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE.
and SW. quarters of sec. 13, stamped in cap

No 10 in N.
1/16 S 13 in center
1912 in S.

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

42.00 Dry wash, 10 lks. wide, course N. 10° W.

60.00 Set an iron post for the 1/16 sec. cor. No. 9, in the
center of the SW¼ of sec. 13, stamped in cap

No 9 in N.
1/16 S 13 in center
1912 in S.

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

65.00 Santa Cruz Wash, 30 lks. wide, course NW.

80.00 The 1/16 sec. cor. No. 12, bet. secs. 13 and 14 (S½).

Land level. (Agricultural).
Soil, 1st rate.
Brush, mesquite and sage.
Mesquite timber, 34.80 chs.

From the true point for the ¼ sec. cor. bet. secs. 13 and
14, I run

S. 89° 57' E. on a random line through the middle of sec.
13.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. center ¼ sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the ¼ sec. cor. bet. secs. 13 and 18, on E.bdy.
of Tp., previously described.

Thence I run

N. 89° 57' W. on a true line through the middle of sec.13.

Over level land, through mesquite timber.

20.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE.
and SE. quarters of sec. 13, stamped in cap

No 7 in N.
1/16 S 13 in center
1912 in S., from which

A mesquite 20 ins. dia. brs. N. 25° E., 63 lks. dist.
Mkd. 1/16 S 13 B T.

Subdivision of T. 3 N., R. 2 E.

Chains

A mesquite 12 ins. dia. brs. S. $82\frac{1}{2}^{\circ}$ W., 90 lks. dist.
Mkd. 1/16 S 13 B T.

38.50 Dry wash, 10 lks. wide, course NW.

40.00 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 13,
stamped in cap

C $\frac{1}{4}$ S 13 in center
1912 in S., from which

A mesquite 12 ins. dia. brs. N. 84° E., 50 lks. dist.
Mkd. C $\frac{1}{4}$ S 13 B T.

A mesquite 6 ins. dia. brs. S. $4\frac{1}{2}^{\circ}$ E., 18 lks. dist.
Mkd. C $\frac{1}{4}$ S 13 B T.

A mesquite 7 ins. dia. brs. S. $42\frac{1}{2}^{\circ}$ W., 106 lks. dist.
Mkd. C $\frac{1}{4}$ S 13 B T.

A mesquite 10 ins. dia. brs. N. 29° W., 46 lks. dist.
Mkd. C $\frac{1}{4}$ S 13 B T.

46.00 Dry wash, 10 lks. wide, course S.

60.00 Set an iron post for the 1/16 sec. cor. No. 8, bet. the
NW. and SW. quarters of sec. 13, stamped in cap

No 8 in N.
1/16 S 13 in center
1912 in S., from which

A mesquite 8 ins. dia. brs. S. $24\frac{1}{2}^{\circ}$ W., 82 lks. dist.
Mkd. 1/16 S 13 B T.

A mesquite 12 ins. dia. brs. N. $62\frac{1}{2}^{\circ}$ W., 148 lks. dist.
Mkd. 1/16 S 13 B T.

67.70 Leave timber, enter sage brush, brs. N. and S.

73.00 Santa Cruz Wash, 20 lks. wide, course N.

79.00 E. edge of slough, 150 lks. wide, brs. NW. and SE.

80.00 The true point for the $\frac{1}{4}$ sec. cor. bet. secs. 13 and 14.

Land, level. (Agricultural).

Soil, alkali, 2nd rate.

Brush and timber, mesquite, 67.70 chs.; sage, 12.30 chs.

Jan. 8, 1912.

Jan. 9, 1912. At 8.00 a.m., l.m.t., I set off $33^{\circ} 10'$ on
the lat. arc, $22^{\circ} 11'$ S. on the decl. arc, and determine
a meridian with the solar, at the 1/16 sec. cor. No. 6,
bet. secs. 13 and 14 ($N\frac{1}{2}$).

Thence I run

S. $89^{\circ} 57'$ E. on a random line through the middle of the
N. half of sec. 13.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the 1/16 sec. cor. No. 6, bet. secs. 13 and 18,
($N\frac{1}{2}$), on E. bdy. of Tp., previously described.

Thence I run

Subdivision of T. 3 N., R. 2 E.

Chains

N. 89° 57' W. on a true line through the middle of sec. 13.
Over level land, through mesquite brush and timber.

13.40 Wash, 20 lks. wide, running water, course N.

20.00 Set an iron post for 1/16 sec. cor. No. 5, in the center
of the NE $\frac{1}{4}$ of sec. 13, stamped in cap

No 5 in N.
1/16 S 13 in center
1912 in S., from which

A mesquite 9 ins. dia. brs. N. 81 $\frac{1}{2}$ ° E., 25 lks. dist.
Mkd. 1/16 S 13 B T.
A mesquite 9 ins. dia. brs. S. 3° W., 32 lks. dist.
Mkd. 1/16 S 13 B T.

40.00 Set an iron post for the 1/16 sec. cor. No. 4, bet. the
NE. and NW. quarters of sec. 13, stamped in cap

No 4 in N.
1/16 S 13 in center
1912 in S., from which

A mesquite 9 ins. dia. brs. S. 64 $\frac{1}{2}$ ° E., 30 lks. dist.
Mkd. 1/16 S 13 B T.
A mesquite 6 ins. dia. brs. N. 30 $\frac{1}{2}$ ° E., 20 lks. dist.
Mkd. 1/16 S 13 B T.

50.00 Dry wash, 20 lks. wide, course NW.

60.00 Set an iron post for the 1/16 sec. cor. No. 3, in the
center of the NW $\frac{1}{4}$ of sec. 13, stamped in cap

No 3 in N.
1/16 S 13 in center
1912 in S., from which

A mesquite 9 ins. dia. brs. S. 47 $\frac{1}{2}$ ° E., 90 lks. dist.
Mkd. 1/16 S 13 B T.
A mesquite 10 ins. dia. brs. N. 30 $\frac{1}{4}$ ° W., 127 lks. dist.
Mkd. 1/16 S 13 B T.

63.30 Dry wash, 20 lks. wide, course NW.

72.00 Leave mesquite brush and timber, brs. NW. and SE.
Enter sage brush.

80.00 The 1/16 sec. cor. No. 6, bet. secs. 13 and 14 (N $\frac{1}{2}$),
Land, level. (Agricultural).
Soil, 2nd rate.
Brush, mesquite, 72.00 chs.; sage, 8.00 chs.
Timber, mesquite, 72.00 chs.

N. 0° 1' W. bet. secs. 11 and 12.

Over level land, through timber.

4.15 Dry wash, 20 lks. wide, course NW.

13.20 Wash (water in pools) 20 lks. wide, course N. 60° W.

15.75 Wash (water in pools) 40 lks. wide, course N. 70° W.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs.

Subdivision of T. 3 N., R. 2 E.

Chains

11 and 12, (3/4), stamped in cap

1/16 S 11 in W. half
S 12 in E. half
No 12 in N.
1912 in S., from which

A mesquite 10 ins. dia. brs. N. 54° E., 130 lks. dist.
Mkd. 1/16 S 12 B T.

A mesquite 8 ins. dia. brs. S. 27 1/2° W., 43 lks. dist.
Mkd. 1/16 S 11 B T.

32.50 Wash (water in pools), 30 lks. wide, course NW.

33.90 Santa Cruz Wash, running water 2 ft. deep, 50 lks. wide, course N. 60° W.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 11 and 12, stamped in cap

1/4 S 11 in W. half
S 12 in E. half
1912 in S., from which

A mesquite 12 ins. dia. brs. N. 79° E., 41 lks. dist.
Mkd. 1/4 S 12 B T.

A mesquite 7 ins. dia. brs. S. 33 1/2° W., 47 lks. dist.
Mkd. 1/4 S 11 B T.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 11 and 12 (N 1/2) stamped in cap

1/16 S 11 in W. half
S 12 in E. half
No 6 in N.
1912 in S., from which

A cottonwood 16 ins. dia. brs. N. 64 1/2° E., 200 lks. dist.
Mkd. 1/16 S 12 B T.

A mesquite 12 ins. dia. brs. N. 68 1/2° W., 75 lks. dist.
Mkd. 1/16 S 11 B T.

61.50 Dry wash, 20 lks. wide, course NW.

63.50 Leave timber, brs. NW. and SE.
Thence over level land, through low brush.

78.85 Road, brs. NW. and SE.

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

T 3 S S 1 in NE. quadrant
R 2 E S 12 in SE. "
S 11 in SW. "
S 2 in NW. "
1912 in S.

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

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.

(After diligent search, no trace of the old cor. is found)

Land, level. (Agricultural, 80.00 chs.)

Soil, 1st rate.

Brush, mesquite, 63.50 chs.; low sage, 16.50 chs.

Timber, mesquite, 63.50 chs.

2203 0901

Subdivision of T. 3 N., R. 2 E.

Chains

Cloudy at Noon today; no observation for lat. Jan. 9, 1912.

S. 89° 57' E. on a random line bet. secs. 1 and 12.

20.00 Set temp. 1/16 sec. cor.

40.00 set temp. 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 2 lks. N. of the cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp., heretofore described.

Thence I run

N. 89° 56' W. on a true line bet. secs. 1 and 12.

Over level land, through low brush.

0.60 Road, brs. NW. and SE.

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

No 1 1/16 S 1 in N. half
S 12 1912 in S. half

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

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 1 and 12, stamped in cap

1/4 S 1 in N. half
S 12 1912 in S. half

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

(After diligent search, no trace of the old 1/4 sec. cor. is found).

41.00 Enter timber, brs. N. 70° W. and S. 70° E.

60.00 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 1 and 12 (W 1/2), stamped in cap

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

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

(No available B.T.s)

70.00 Leave timber, brs. N. 10° W. and S. 10° E.

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

Land, level. (Agricultural, 80.00 chs.)

Soil, 1st rate.

Brush, low mesquite and sage.

Timber, scattered mesquite, 29.00 chs.

Subdivision of T. 3 N., R. 2 E.

Chains

From the 1/16 sec. cor. No. 12, bet. secs. 11 and 12,
I run

S. 89° 57' E. on a random line through the middle of the
S. half of sec. 12.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the 1/16 sec. cor. No. 12, bet. secs. 7 and 12,
(S $\frac{1}{2}$), on E. bdy. of Tp.

Thence I run

N. 89° 57' W. on a true line through the middle of the
S. half of sec. 12.

Over level land, through low brush.

18.00 Road, brs. NW. and SE.

20.00 Set an iron post for 1/16 sec. cor. No. 11, in the center
of the SE $\frac{1}{4}$ of sec. 12, stamped in cap

No 11 in N.
1/16 S 12 in center
1912 in S.

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

40.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE.
and SW. quarters of sec. 12, stamped in cap

No 10 in N.
1/16 S 12 in center
1912 in S.

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

42.00 Enter timber, brs. N. 20° W. and S. 20° E.

60.00 Set an iron post for the 1/16 sec. cor. No. 9, in the
center of the SW $\frac{1}{4}$ of sec. 12, stamped in cap

No 9 in N.
1/16 S 12 in center
1912 in S., from which

A mesquite 8 ins. dia. brs. N. 24° E., 68 lks. dist.

Mkd. 1/16 S 12 B T.

A mesquite 18 ins. dia. brs. S. 30° W., 30 lks. dist.

Mkd. 1/16 S 12 B T.

64.75 Santa Cruz Wash, 50 lks. wide, running water, course NW.

80.00 The 1/16 sec. cor. No. 12, bet. secs. 11 and 12 (S $\frac{1}{2}$).

Land, level. (Agricultural).

Soil, 1st rate.

Brush, mesquite and sage.

Timber, mesquite, 38.00 chs.

Subdivision of T. 3 N., R. 2 E.

Chains

From the 1/4 sec. cor. bet. secs. 11 and 12, I run
S. 89° 57' E. on a random line through the middle of sec.
12.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. center 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.96 Falls 4 lks. N. of the 1/4 sec. cor. bet. secs. 7 and 12, on
E. bdy. of Tp., previously described.

Thence I run

N. 89° 55' W. on a true line through the middle of sec.12.

Over level land, through low brush.

19.99 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE.
and SE. quarters of sec. 12, stamped in cap

No 7 in N.
1/16 S 12 in center
1912 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.

39.98 Set an iron post for the center 1/4 sec. cor. of sec. 12,
stamped in cap

C 1/4 S 12 in center
1912 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.

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

59.97 Set an iron post for the 1/16 sec. cor. No. 8, bet. the
NW. and SW. quarters of sec. 12, stamped in cap

No 8 in N.
1/16 S 12 in center
1912 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 Enter timber, brs. NW. and SE.

79.96 The 1/4 sec. cor. bet. secs. 11 and 12.

Land, level. (Agricultural).
Soil, 1st rate.
Brush, low sage.
Timber, mesquite, 17.96 chs.

From 1/16 sec. cor. No. 6, bet. secs. 11 and 12 (N 1/2),
I run

S. 89° 57' E. on a random line through the middle of the
N 1/2 of sec. 12.

Subdivision of T. 3 S., R. 2 E.

Chains

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 2 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 7 and 12 (N $\frac{1}{2}$), on E. bdy. of Tp., previously described.

Thence I run

N. 89° 56' W. on a true line through the middle of the N. half of sec. 12.

Over level land, through brush.

20.00 Set an iron post for the 1/16 sec. cor. No. 5, in the center of the NE $\frac{1}{4}$ of sec. 12, stamped in cap

No 5 in N.
1/16 S 12 in center
1912 in S.

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

40.00 Set an iron post for the 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 12, stamped in cap

No 4 in N.
1/16 S 12 in center
1912 in S.

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

60.00 Set an iron post for the 1/16 sec. cor. No. 3, in the center of the NW $\frac{1}{4}$ of sec. 12, stamped in cap

No 3 in N.
1/16 S 12 in center
1912 in S.

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

62.50 Road, brs. NW. and SE.

76.00 Enter timber, brs. NW. and SE.

80.00 The 1/16 sec. cor. No. 6, bet. secs. 11 and 12 (N $\frac{1}{2}$).

Land, level. (Agricultural, 80.00 chs.)
Soil, 1st rate.
Brush, low sage.
Timber, mesquite, 4.00 chs.)

Jan. 10, 1912. At 8.00 a.m., l.m.t., I set off 33° 11' on the lat. arc, 22° 02' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 1, 2, 11 and 12.

Thence I run

N. 0° 1' W. on a random line bet. secs. 1 and 2.

ECC 300

Subdivision of T. 3 S., R. 2 E.

Chains

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.05 Falls 2 lks. W. of the cor. of secs. 1, 2, 35 and 36, on N. bdy. of Tp., previously described.

Thence I run

South on a true line bet. secs. 1 and 2.

Over level land, through brush.

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

1/16 S 2 in W. half
S 1 in E. half
No 6 in N.
1912 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.

30.00 Road, brs. E. and W.

40.05 Set an iron post for the 1/4 sec. cor. bet. secs. 1 and 2, stamped in cap

1/4 S 2 in W. half
S 1 in E. half
1912 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.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

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

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

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

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

Land, level. (Agricultural land, 80.05 chs.)
Soil, 1st rate.
Brush, low sage.

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

S. 89° 56' E. on a random line through the middle of the S 1/2 of sec. 1.

Subdivision of T. 3 S., R. 2 E.

Chains

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 2 lks. S. of the 1/16 sec. cor. No. 12, bet. secs. 1 and 6 (S $\frac{1}{2}$), on E. bdy. of Tp., previously described.

Thence I run

N. 89° 57' W. on a true line through the middle of the S. half of sec. 1.

Over level land, through timber.

10.00 Leave timber; thence through low brush, brs. N. and S.

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

No 11 in N.
1/16 S 1 in center
1912 in S.

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

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

No 10 in N.
1/16 S 1 in center
1912 in S.

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

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

No 9 in N.
1/16 S 1 in center
1912 in S.

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

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

Land, level. (Agricultural).
Soil, 1st rate.
Brush, low sage.
Timber, mesquite, 10.00 chs.

Jan. 10, 1912. At the $\frac{1}{2}$ sec. cor. bet. secs. 1 and 2, I set off 22° 03' S. on the decl. arc, and at 12h 07m 21s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 11', which is within one minute of the proper lat.

Thence I run

S. 89° 56' E. on a random line through the middle of sec. 1.

Subdivision of T. 3 S., R. 2 E.

Chains	
20.00	Set temp. 1/16 sec. cor.
40.00	Set temp. center 1/4 sec. cor.
60.00	Set temp. 1/16 sec. cor.
79.96	Falls 4 lks. N. of the 1/4 sec. cor. bet. secs. 1 and 6, on E. bdy. of Tp., previously described.
	Thence I run
	N. 89° 54' W. on a true line through the middle of sec. 1.
	Over level land, through timber.
0.80	Road, brs. NW. and SE.
10.00	Road, brs. N. and S. Leave timber on E. side of road.
19.99	Set an iron post for 1/16 sec. cor. No. 7, bet. the NE. and NW. quarters of sec. 1, stamped in cap
	No 7 in N. 1/16 S 1 in center 1912 in S.
	Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
39.98	Set an iron post for center 1/4 sec. cor. of sec. 1, stamped in cap
	C 1/4 S 1 in center 1912 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.
59.97	Set an iron post for the 1/16 sec. cor. No. 8, bet. the NW. and SW. quarters of sec. 1, stamped in cap
	No 8 in N. 1/16 S 1 in center 1912 in S.
	Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
79.96	The 1/4 sec. cor. bet. secs. 1 and 2.
	Land, level. (Agricultural, 79.96 chs.) Soil, 1st rate. Brush, low sage. Timber, mesquite, 10.00 chs.

	From the 1/16 sec. cor. No. 6, bet. secs. 1 and 2 (N 1/2) I run
	S. 89° 56' E. on a random line through the middle of the N. half of sec. 1.
20.00	Set temp. 1/16 sec. cor.
40.00	Set temp. 1/16 sec. cor.
60.00	Set temp. 1/16 sec. cor.

Subdivision of T. 3 S., R. 2 E.

Chains

79.96 Falls 2 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 1 and 6, on E. bdy. of Tp., (N½), previously described.

Thence I run

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

Over level land, through timber.

10.00 Road, brs. NW. and SE.

11.00 Road, brs. NW. and SE.

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

No 5 in N.
1/16 S 1 in center
1912 in S., from which

A mesquite 12 ins. dia. brs. N. 14½° E., 205 lks. dist.

Mkd. 1/16 S 1 B T.

A mesquite 20 ins. dia. brs. S. 58° 20' E., 152 lks. dist.

Mkd. 1/16 S 1 B T.

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

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

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

(No trees available for B.T.s)

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

No 3 in N.
1/16 S 1 in center
1912 in S.

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

(No trees available for B.T.s).

78.00 Leave timber, brs. N. and S.

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

Land, level. (Agricultural).

Soil, 1st rate.

Brush, low mesquite and sage.

Timber, mesquite, 79.96 chs.

Jan. 10, 1912.

Jan. 11, 1912 . At 8h 0m a.m., l.m.t., I set off 33° 07' on the lat. arc, 21° 54' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp.

Subdivision of T. 3 S., R. 2 E.

Chains

Thence I run

N. 0° 01' W. bet. secs. 34 and 35.

Over level land, through brush.

5.80 Dry wash, 10 lks. wide, course S. 70° E.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 34 and 35, (S 1/2), stamped in cap

1/16 S 34 in W. half
S 35 in E. half
No 12 in N.
1912 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.

27.00 Dry wash, 15 lks. wide, course S. 70° E.

40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 34 and 35, stamped in cap

1/4 S 34 in W. half
S 35 in E. half
1912 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.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 34 and 35 (N 1/2), stamped in cap

1/16 S 34 in W. half
S 35 in E. half
No 6 in N.
1912 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.

80.00 Set an iron post for the cor. of secs. 26, 27, 34 and 35, stamped in cap

T 3 S S 26 in NE. quadrant
R 2 E S 35 in SE. "
S 34 in SW. "
S 27 in NW. "
1912 in S.
1 notch on S. and 2 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.

(After diligent search, no trace of the old cor. is found).

Land, level. (Agricultural).
Soil, 1st rate.
Brush, low sage.

Subdivision of T. 3 N., R. 2 E.

Chains	East on a random line bet. secs. 26 and 35.
20.00	Set temp. 1/16 sec. cor.
40.00	Set temp. 1/4 sec. cor.
60.00	Set temp. 1/16 sec. cor.
80.00	Intersect the cor. of secs. 25, 26, 35 and 36.
	Thence I run
	West on a true line bet. secs. 26 and 35.
	Over level land, through low brush.
1.50	Dry wash, 50 lks. wide, course NE.
20.00	Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 26 and 35, (E $\frac{1}{4}$), stamped in cap
	No 1 1/16 S 26 in N. half S 35 1912 in S. half
	Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
40.00	Set an iron post for 1/4 sec. cor. bet. secs. 26 and 35, stamped in cap
	1/4 S 26 in N. half S 35 1912 in S. half
	Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	(After diligent search, no trace of the 1/4 sec. cor. is found).
60.00	Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 26 and 35 (W $\frac{1}{2}$), stamped in cap
	No 2 1/16 S 26 in N. half S 35 1912 in S. half
	Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
74.00	Dry wash, 20 lks. wide, course NE.
79.25	Road, brs. N. and S.
80.00	The cor. of secs. 26, 27, 34 and 35.
	Land, level. (Agricultural). Soil, 1st rate. Brush, low sage.

	From the 1/16 sec. cor. No. 12, bet. secs. 34 and 35 (S $\frac{1}{2}$), I run
	East on a random line through the middle of the S. half of sec. 35.
20.00	Set temp. 1/16 sec. cor.

BOOK 401

Subdivision of T. 3 N., R. 2 E.

Chains

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 4 lks. N. of the 1/16 sec. cor. No. 12, bet. secs. 35 and 36 (S $\frac{1}{2}$).

Thence I run

N. 89° 58' W. on a true line through the middle of sec. 35 (S $\frac{1}{2}$).

Over level land, through low brush.

19.00 Dry wash, 20 lks. wide, course NE.

20.00 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$ of sec. 35, stamped in cap

No 11 in N.
1/16 S 35 in center
1912 in S.

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

40.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 35, stamped in cap

No 10 in N.
1/16 S 35 in center
1912 in S.

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

60.00 Set an iron post for 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 35, stamped in cap

No 9 in N.
1/16 S 35 in center
1912 in S.

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

78.00 Road, brs. N. and S.

80.00 The 1/16 sec. cor. No. 6, bet. secs. 34 and 35 (S $\frac{1}{2}$).

Land, level. (Agricultural land).
Soil, 1st rate.
Brush, low sage.

From the $\frac{1}{4}$ sec. cor. bet. secs. 34 and 35, I run

East on a random line through the middle of sec. 35.

20.00 Set temp. 1/16 sec. cor.

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

60.00 Set temp. 1/16 sec. cor.

Subdivision of T. 3 S., R. 2 E.

Chains

- 80.00 Falls 2 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 35 and 36.
Thence I run
N. $89^{\circ} 59'$ W. on a true line through the middle of sec. 35.
Over level land, through brush.
- 20.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 7, bet. the NE.
and SE. quarters of sec. 35, stamped in cap

No 7 in N.
 $\frac{1}{16}$ S 35 in center
1912 in S.

Dig pits $18 \times 18 \times 12$ ins. E. and W. of post 3 ft. dist.;
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
- 40.00 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 35,
stamped in cap

C $\frac{1}{4}$ S 35 in center
1912 in S.

Dig pits $18 \times 18 \times 12$ ins. E., W. and S., 3 ft., and N. of
post 7 ft. dist.; and raise a mound of earth 4 ft. base,
2 ft. high, N. of cor.
- 60.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 8, bet. the NW.
and SW. quarters of sec. 35, stamped in cap

No 8 in N.
 $\frac{1}{16}$ S 35 in center
1912 in S.

Dig pits $18 \times 18 \times 12$ ins. E. and W. of post 3 ft. dist.;
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.
of cor.
- 80.00 The $\frac{1}{4}$ sec. cor. bet. secs. 34 and 35.

Land, level. (Agricultural).
Soil, 1st rate.
Brush, low sage.
-
- Jan. 11, 1912. At the $\frac{1}{16}$ sec. cor. No. 6, bet. secs. 34
and 35, I set off $21^{\circ} 54'$ S. on the decl. arc, and at
 $12^h 07^m 45s$ p.m., l.m.t., observe the sun on the meri-
dian; the resulting lat. is $33^{\circ} 07'$, which is within
one minute of the proper lat.
- Thence I run

East on a random line through the middle of the N. half
of sec. 35.
- 20.00 Set temp. $\frac{1}{16}$ sec. cor.
40.00 Set temp. $\frac{1}{16}$ sec. cor.
60.00 Set temp. $\frac{1}{16}$ sec. cor.
80.00 Intersect the $\frac{1}{16}$ sec. cor. No. 6, bet. secs. 35 and 36
(N $\frac{1}{2}$).

Thence I run

Subdivision of T. 3 S., R. 2 E.

Chains.

West on a true line through the middle of the N. half of sec. 35.

Over level land, through brush.

14.00 Dry wash, 10 lks. wide, course N. 20° E.

20.00 Set an iron post for the 1/16 sec. cor. No. 5, in the center of the NE¼ of sec. 35, stamped in cap

No 5 in N.
1/16 S 35 in center
1912 in S.

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

40.00 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 35, stamped in cap

No 4 in N.
1/16 S 35 in center
1912 in S.

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

60.00 Set an iron post for the 1/16 sec. cor. No. 3, in the center of the NW¼ of sec. 35, stamped in cap

No 3 in N.
1/16 S 35 in center
1912 in S.

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

77.00 Road, brs. N. and S.

80.00 The 1/16 sec. cor. No. 6, bet. secs. 34 and 35 (N½).

Land, level. (Agricultural land).
Soil, 1st rate.
Brush, low sage.

N. 0° 1' W. bet. secs. 26 and 27.

Over level land, through brush.

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

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 26 and 27 (S½), stamped in cap

1/16 S 27 in W. half
S 26 in E. half
No 12 in N.
1912 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.

40.00 Set an iron post for the ¼ sec. cor. bet. secs. 26 and 27, stamped in cap

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Subdivision of T. 3 S., R. 2 E.

Chains

1/4 S 27 in W. half
S 26 in E. half
1912 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.

(After diligent search, no trace of the old 1/4 sec. cor. is
found).

60.00 Set an iron post for the 1/16 sec. cor. No. 6, bet. secs.
26 and 27 (N 1/2), stamped in cap

1/16 S 27 in W. half
S 26 in E. half
No 6 in N.
1912 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.

80.00 Set an iron post for the cor. of secs. 22, 23, 26 and 27,
stamped in cap

T 3 S S 23 in NE. quadrant
R 2 E S 26 in SE. quadrant
S 27 in SW. quadrant
S 22 in NW. quadrant
1912 in S.

2 notches on S. and 2 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.

(After diligent search, no trace of the old cor. is found).

Land, level. (Agricultural).

Soil, 1st rate.

Brush, low mesquite and sage.

East on a random line bet. secs. 23 and 26.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.96 Falls 6 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence I run

S. 89° 57' W. on a true line bet. secs. 23 and 26.

Over level land, through brush.

10.50 Dry wash, 50 lks. wide, course NE.

19.99 Set an iron post for the 1/16 sec. cor. No. 1, bet. secs.
23 and 26 (E 1/2), stamped in cap

No 1 1/16 S 23 in N. half
S 26 1912 in S. half

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

Subdivision of T. 3 S., R. 2 E.

Chains

and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

39.98 Set an iron post for the 1/4 sec. cor. bet. secs. 23 and 26, stamped in cap

1/4 S 23 in N. half
S 26 1912 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.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

59.97 Set an iron post for the 1/16 sec. cor. No. 2, bet. secs. 23 and 26 (W 1/2), stamped in cap

No 2 1/16 S 23 in N. half
S 26 1912 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.

79.96 The cor. of secs. 22, 23, 26 and 27.

Land, level. (Agricultural).
Soil, 1st rate.
Brush, low sage.

Jan. 11, 1912.

Jan. 12, 1912. At 8.00 a.m., l.m.t., I set off 13° 08' on the lat. arc, 21° 45' on the decl. arc, and determine a meridian with the solar, at the 1/16 sec. cor. No. 12, bet. secs. 26 and 27 (S 1/2).

Thence I run

East on a random line through the middle of the S. half of sec. 26.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the 1/16 sec. cor. No. 12, bet. secs. 25 and 26 (S 1/2)

Thence I run

West on a true line through the middle of the S. half of sec. 26.

Over level land, through sage brush.

20.00 Set an iron post for the 1/16 sec. cor. No. 11, in the center of the SE 1/4 of sec. 26, stamped in cap

No 11 in N.
1/16 S 26 in center
1912 in S.

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

Subdivision of T. 3 S., R. 2 E.

Chains

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

40.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 26, stamped in cap

No 10 in N.
1/16 S 26 in center
1912 in S.

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

43.50 Dry wash, 20 lks. wide, course NE.

60.00 Set an iron post for the 1/16 sec. cor. No. 9, in the center of the SW¼ of sec. 26, stamped in cap

No 9 in N.
1/16 S 26 in center
1912 in S.

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

80.00 The 1/16 sec. cor. No. 12, bet. secs. 26 and 27 (S½).

Land, level. (Agricultural).
Soil, 1st rate.
Brush, sage.

From the ¼ sec. cor. bet. secs. 26 and 27, I run East on a random line through the middle of sec. 26.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. center ¼ sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 8 lks. S. of the ¼ sec. cor. bet. secs. 25 and 26.

Thence I run S. 89° 57' W. on a true line through the middle of sec. 26. Over level land, through brush.

4.40 Dry wash, 15 lks. wide, course N. 60° E.

14.00 Dry wash, 20 lks. wide, course NE.

20.00 Set an iron post for the 1/16 sec. cor. No. 7, bet. the NE. and SE. quarters of sec. 26, stamped in cap

No 7 in N.
1/16 S 26 in center
1912 in S.

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

40.00 Set an iron post for the center ¼ sec. cor. of sec. 26, stamped in cap

Subdivision of T. 3 S., R. 2 E.

Chains

C 1/4 S 26 in center
1912 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.

60.00 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW. and SW. quarters of sec. 26, stamped in cap

No 8 in N.
1/16 S 26 in center
1912 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.

80.00 The 1/4 sec. cor. bet. secs. 26 and 27.

Land, level. (Agricultural).
Soil, 1st rate.
Brush, sage and greasewood.

From the 1/16 sec. cor. ^{No. 6,} bet. secs. 26 and 27 (N 1/2) I run East on a random line through the middle of the N. half of sec. 26.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 3 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 25 and 26 (N 1/2).

Thence I run

N. 89° 59' W. on a true line through the middle of the N. half of sec. 26.

Over level land, through sage and greasewood brush.

20.00 Set an iron post for the 1/16 sec. cor. No. 5, in the center of the NW 1/4 of sec. 26, stamped in cap

No 5 in N.
1/16 S 26 in center
1912 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.

40.00 Set an iron post for the 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 26, stamped in cap

No 4 in N.
1/16 S 26 in center
1912 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.

60.00 Set an iron post for the 1/16 sec. cor. No. 3, in the center of the NW 1/4 of sec. 26, stamped in cap

Subdivision of T. 3 S., R. 2 E.

Chains

No 3 in N.
1/16 S 26 in center
1912 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.

80.00 The 1/16 sec. cor. No. 6, bet. secs. 26 and 27. (N 1/2).

Land, level. (Agricultural).
Soil, 1st rate.
Brush, sage and greasewood.

Jan. 12, 1912. At the cor. of secs. 22, 23, 26 and 27,
I set off 21° 45' S. on the decl. arc, and at 12h 08m
24s p.m., l.m.t., observe the sun on the meridian; the
resulting lat. is 33° 08', which is within one minute
of the proper lat.

Thence I run

N. 0° 01' W. bet. secs. 22 and 23.

Over level land, through sage brush.

20.00 Set an iron post for the 1/16 sec. cor. No. 12, bet. secs.
22 and 23 (S 1/2), stamped in cap

1/16 S 22 in W. half
S 23 in E. half
No 12 in N.
1912 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.

29.45 Drain, course N. 80° E.

38.00 Drain, course E.

40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 22 and 23,
stamped in cap

1/4 S 22 in W. half
S 23 in E. half
1912 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.

(After diligent search, no trace of the old cor. is found).

44.30 Dim road, hrs. E. and W.

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 22
and 23 (N 1/2), stamped in cap

1/16 S 22 in W. half
S 23 in E. half
No 6 in N.
1912 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. 3 S., R. 2 E.

Chains

80.00 Set an iron post for the cor. of secs. 14, 15, 22 and 23, stamped in cap

T 3 S S 14 in NE. quadrant
R 2 E S 23 in SE. quadrant
S 22 in SW. quadrant
S 15 in NW. quadrant

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

(After diligent search, no trace of the old cor. is found).

Land, level. (Agricultural).
Soil, 1st rate.
Brush, sage.

N. 89° 57' E. on a random line bet. secs. 14 and 23.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.96 Falls 10 lks. N. of the cor. of secs. 13, 14, 23 and 24.

Thence I run

N. 89° 59' W. on a true line bet. secs. 14 and 23.

Over level land, through sage brush.

8.50 Wash, 20 lks. wide, course N. 20° W.

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

19.99 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 14 and 23 (E 1/4), stamped in cap

No 1 1/16 S 14 in N. half
S 23 1912 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.

39.98 Set an iron post for 1/4 sec. cor. bet. secs. 14 and 23, stamped in cap

1/4 S 14 in N. half
S 23 1912 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.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

59.97 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 14 and 23 (W 1/4), stamped in cap

No 2 1/16 S 14 in N. half
S 23 1912 in S. half

Subdivision of T. 3 S. R. 2 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,
N. of cor.

79.96 The cor. of secs. 14, 15, 22 and 23.

Land, level. (Agricultural).
Soil, sandy, 1st rate.
Brush, sage.

From the 1/16 sec. cor. No. 12, bet. secs. 22 and 23, (S½),
I run

N. 89° 57' E. on a random line through the middle of the
S. half of sec. 23.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 10 lks. N. of the 1/16 sec. cor. No. 12, bet. secs.
23 and 24 (S½).

Thence I run

N. 89° 59' W. on a true line through the middle of the S.
half of sec. 23.

Over level land, through sage brush.

20.00 Set an iron post for the 1/16 sec. cor. No. 11, in the
center of the SE¼ of sec. 23, stamped in cap

No 11 in N.
1/16 S 23 in center
1912 in S.

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

40.00 Set an iron post for the 1/16 sec. cor. No. 10, bet. the
SE. and SW. quarters of sec. 23, stamped in cap

No 10 in N.
1/16 S 23 in center
1912 in S.

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

60.00 Set an iron post for the 1/16 sec. cor. No. 9, in the cen-
ter of the SW¼ of sec. 23, stamped in cap

No 9 in N.
1/16 S 23 in center
1912 in S.

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

80.00 The 1/16 sec. cor. No. 12, bet. secs. 22 and 23 (S½).

Subdivision of T. 3 S., R. 2 E.

Chains

Land, level. (Agricultural).
Soil, sandy, 1st rate.
Brush, sage.

From the $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23, I run
N. 89° 57' E. on a random line through the middle of
sec. 23.

20.00 Set temp. 1/16 sec. cor.

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

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 23 and 24.

Thence I run

S. 89° 57' W. on a true line through the middle of sec. 23.

Over level land, through sage brush.

20.00 Set an iron post for the 1/16 sec. cor. No. 7, bet. the
NE. and SE. quarters of sec. 23, stamped in cap

No 7 in N.
1/16 S 23 in center
1912 in S.

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

40.00 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 23,
stamped in cap

C $\frac{1}{4}$ S 23 in center
1912 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.

60.00 Set an iron post for the 1/16 sec. cor. No. 8, bet. the
NW. and SW. quarters of sec. 23, stamped in cap

No 8 in N.
1/16 S 23 in center
1912 in S.

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

80.00 The $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23.

Land, level. (Agricultural).
Soil, sandy, 1st rate.
Brush, sage.

Jan. 12, 1912.

Jan. 13, 1912. At 8.00 a.m., l.m.t., I set off 33° 09'
on the lat. arc, 21° 35' S. on the decl. arc, and deter-
mine a meridian with the solar, at the 1/16 sec. cor.
No. 6, bet. secs. 22 and 23 (N $\frac{1}{2}$).

Thence I run

Subdivision of T. 3 S., R. 2 E.

Chains

N. 89° 57' E. on a random line through the middle of the N. half of sec. 23.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.96 Falls 7 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 23 and 24 (N $\frac{1}{2}$).

Thence I run

West on a true line through the middle of the N. half of sec. 23.

Over level land.

1.00 Road, brs. NW. and SE.

19.99 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE $\frac{1}{4}$ of sec. 23, stamped in cap

No 5 in N.
1/16 S 23 in center
1912 in S.

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

21.80 Dry wash, 10 lks. wide, course N.

36.25 Dry wash, 10 lks. wide, course NE.

39.98 Set an iron post for the 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 23, stamped in cap

No 4 in N.
1/16 S 23 in center
1912 in S.

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

59.97 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW $\frac{1}{4}$ of sec. 23, stamped in cap

No 3 in N.
1/16 S 23 in center
1912 in S.

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

79.96 The 1/16 sec. cor. No. 6, bet. secs. 22 and 23 (N $\frac{1}{2}$) -

Land, level. (Agricultural).
Soil, sandy, 1st rate.
Brush, sage.

From the cor. of secs. 14, 15, 22 and 23, I run

N. 0° 01' W. bet. secs. 14 and 15.

Over level land, through brush,

Subdivision of T. 3 S., R. 2 E.

Chains

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 14 and 15, stamped in cap

1/16 S 15 in W. half
S 14 in E. half
No 12 in N.
1912 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. 14 and 15, stamped in cap

1/4 S 15 in W. half
S 14 in E. half
1912 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.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 14 and 15, (N 1/2), stamped in cap

1/16 S 15 in W. half
S 14 in E. half
No 6 in N.
1912 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.

68.00 Dry wash, 50 lks. wide, course E.

71.00 Corral, brs. E., 3.00 chs. dist.

80.00 Set an iron post for the cor. of secs. 10, 11, 14 and 15, stamped in cap

T 3 S S 11 in NE. quadrant
R 2 E S 14 in SE. quadrant
S 15 in SW. quadrant
S 10 in NW. quadrant
1912 in S.

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

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.

(After diligent search, no trace of the old cor. is found).

Land, level. (Agricultural).
Soil, 1st rate.
Brush, sage.

S. 89° 59' E. on a random line bet. secs. 11 and 14.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/4 sec. cor.

Subdivision of T. 3 S., R. 2 E.

Chains

60.00 Set temp. 1/16 sec. cor.

79.92 Falls 3 lks. S. of the cor. of secs. 11, 12, 13 and 14.

Thence I run

West on a true line bet. secs. 11 and 14.

Over level land, through mesquite brush and timber.

4.00 Leave timber, brs. N. 10° W. and S. 10° E.

16.00 Santa Cruz Wash, 30 lks. wide, course NW.

19.98 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 11 and 14 (E $\frac{1}{2}$), stamped in cap

No 1 ^{1/16} S 11 in N. half
S 14 1912 in S. half

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

30.00 Descend 10-foot bank, brs. NW. and SE.

Enter alkali flat and salt grass.

39.96 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 11 and 14, stamped in cap

$\frac{1}{4}$ S 11 in N. half
S 14 1912 in S. half

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

(After diligent search, no trace of the old $\frac{1}{4}$ sec. cor. is found).

59.94 Set an iron post for the 1/16 sec. cor. No. 2, bet. secs. 11 and 14 (W $\frac{1}{2}$), stamped in cap

No 2 1/16 S 11 in N. half
S 14 1912 in S. half

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

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

72.00 Leave alkali flat and salt grass. Enter sage brush, brs. N. and S.

79.92 The cor. of secs. 10, 11, 14 and 15.

Land, level. (Agricultural).

Soil, 1st rate, 37.92 chs.; 2nd rate, alkali, 42.00 chs.
Brush, sage, 37.92 chs.

Jan. 13, 1912. At the 1/16 sec. cor. No. 12, bet. secs. 14 and 15 (S $\frac{1}{2}$), I set off 21° 35' S. on the decl. arc, and at 12h 08m 27s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 09', which is within one minute of the proper lat.

Subdivision of T. 3 S., R. 2 E.

Chains	
	From the 1/16 sec. cor. No. 12, bet. secs. 14 and 15, (S $\frac{1}{2}$) I run
	S. 89° 59' E. on a random line through the middle of the S. half of sec. 14.
20.00	Set temp. 1/16 sec. cor.
40.00	Set temp. 1/16 sec. cor.
60.00	Set temp. 1/16 sec. cor.
79.96	Falls 3 lks. S. of the 1/16 sec. cor. No. 12, bet. secs. 13 and 14 (S $\frac{1}{2}$).
	Thence I run
	West on a true line through the middle of the S. half of sec. 14.
	Over level land, through sage brush.
19.99	Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$ of sec. 14, stamped in cap
	No 11 in N. 1/16 S 14 in center 1912 in S.
	Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
30.00	Enter swampy salt marsh, brs. NW. and SE. Leave sage brush.
32.20	Road, brs. NE. and SW.
39.98	Set an iron post for the 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 14, stamped in cap
	No 10 in N. 1/16 S 14 in center 1912 in S.
	Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Leave swampy salt marsh, brs. NW. and SE.
43.80	Indian hut, brs. N., 100 lks. dist.
45.40	Corral, brs. N., 50 lks. dist.
59.97	Set an iron post for 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 14, stamped in cap
	No 9 in N. 1/16 S 14 in center 1912 in S.
	Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
79.96	The 1/16 sec. cor. No. 12, bet. secs. 14 and 15, (S $\frac{1}{2}$).
	Land, level. (Agricultural). Soil, 1st and 2nd rate. Brush, sage.

Subdivision of T. 3 S., R. 2 E.

Chains

From the 1/4 sec. cor. bet. secs. 14 and 15, I run
S. 89° 59' E. on a random line through the middle of sec.
14.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. center 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.96 Falls 3 lks. S. of the point for the 1/4 sec. cor. bet. secs.
13 and 14.

Thence I run

West on a true line through the middle of sec. 14.

In slough.

.25 Leave slough, brs. N. 10° W. and S. 10° E.

Thence over alkali flat and salt grass.

19.99 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE.
and SE. quarters of sec. 14, stamped in cap

No 7 in N.
1/16 S 14 in center
1912 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.

39.98 Set an iron post for the center 1/4 sec. cor. of sec. 14,
stamped in cap

C 1/4 S 14 in center
1912 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.

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

U.S.G.L.O.

Bench mark, El 1071, brs. S., 80 lks. dist.

Leave alkali flat and salt grass. Enter sage brush.

59.97 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW.
and SW. quarters of sec. 14, stamped in cap

No 8 in N.
1/16 S 14 in center
1912 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.

79.96 The 1/4 sec. cor. bet. secs. 14 and 15.

Land, level. (Agricultural).

Soil, 1st and 2nd rate.

Brush, sage.

Subdivision of T. 3 S., R. 2 E.

Chains

From the 1/16 sec. cor. No. 6, bet. secs. 14 and 15 (N $\frac{1}{2}$),
I run

S. 89° 59' E. on a random line through the middle of the
N. half of sec. 14.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

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

Thence I run

West on a true line through the middle of the N. half of
sec. 14.

Over level land, through sage brush.

19.99 Set an iron post for the 1/16 sec. cor. No. 5, in the cen-
ter of the NE $\frac{1}{4}$ of sec. 14, stamped in cap

No 5 in N.
1/16 S 14 in center
1912 in S.

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

25.00 Leave sage brush, brs. NW. and SE. Enter salt grass.

Slough, 10 lks. wide, brs. N. 10° E. and S. 10° W.

35.00 Slough, 20 lks. wide, brs. N. 10° E. and S. 10° W.

37.00 Slough, 15 lks. wide, brs. N. and S.

39.98 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE.
and NW. quarters of sec. 14, stamped in cap

No 4 in N.
1/16 S 14 in center
1912 in S.

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

59.97 Set an iron post for the 1/16 sec. cor. No. 3, in the center
of the NW $\frac{1}{4}$ of sec. 14, stamped in cap

No 3 in N.
1/16 S 14 in center
1912 in S.

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

62.00 Road, brs. N. and S.

66.00 Leave alkali flat and salt grass; enter sage brush.

79.96 The 1/16 sec. cor. No. 6, bet. secs. 14 and 15 (N $\frac{1}{2}$).

Land, level. (Agricultural).
Soil, 1st and 2nd rate. Brush, sage.

Jan. 13, 1912.

Subdivision of T. 3 S., R. 2 E.

Chains

Jan. 15, 1912. At 8.00 a.m., l.m.t., I set off 33° 10' on the lat. arc, 21° 15' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 10, 11, 14 and 15.

Thence I run

N. 0° 01' W. bet. secs. 10 and 11.

Over level land, through brush.

19.40 Road, brs. NW. and SE.
Enter alkali flat and salt grass.

20.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 10 and 11 (S 1/2), stamped in cap

1/16 S 10 in W. half
S 11 in E. half
No 12 in N.
1912 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.

24.00 Leave alkali flat. Enter timber, brs. NW. and SE.

27.60 Santa Cruz Wash, 10 lks. wide, running water, course NW.

39.50 Branch of Santa Cruz Wash, 10 lks. wide, running water, course NW.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 10 and 11, stamped in cap

1/4 S 10 in W. half
S 11 in E. half
1912 in S., from which

A mesquite 10 ins. dia. brs. S. 87° E., 149 lks. dist.
Mkd. 1/4 S 11 B T.

A mesquite 8 ins. dia. brs. S. 13 1/2° W., 228 lks. dist.
Mkd. 1/4 S 10 B T.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

52.60 Branch of Santa Cruz Wash, 60 lks. wide, course N. 70° W.

60.00 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 10 and 11 (N 1/2), stamped in cap

1/16 S 10 in W. half
S 11 in E. half
No 6 in N.
1912 in S., from which

A mesquite 12 ins. dia. brs. S. 38 1/2° E., 67 lks. dist.
Mkd. 1/16 S 11 B T.

A mesquite 10 ins. dia. brs. S. 51° W., 138 lks. dist.
Mkd. 1/16 S 10 B T.

72.30 Wash, 10 lks. wide, course N. 60° W.

75.00 Leave timber, brs. E. and W.

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

Doc. 10

Subdivision of T. 3 S., R. 2 E.

Chains

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

1912 in S.

5 notches on S. and 2 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.

(After diligent search, no trace of the old cor. is found).

Land, level. (Agricultural).

Soil, 1st and 2nd rate.

Brush, sage, 24.00 chs.

Timber, mesquite, 51.00 chs.

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

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.96 Falls 4 lks. N. of the cor. of secs. 1, 2, 10 and 11.

Thence I run

N. 89° 58' W. on a true line bet. secs. 2 and 11.

Over level land, through sage brush.

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

4.80 Road, brs. N. and S.

15.00 Leave sage brush; enter mesquite timber.

19.99 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 2 and 11 (E 1/2), stamped in cap

No 1 1/16 S 2 in N. half
S 11 1912 in S. half, from which

A mesquite 8 ins. dia. brs. S. 53° E., 72 lks. dist.
Mkd. 1/16 S 11 B T.

A mesquite 12 ins. dia. brs. N. 40 1/2° W., 219 lks. dist.
Mkd. 1/16 S 2 B T.

39.98 Set an iron post for 1/4 sec. cor. bet. secs. 2 and 11, stamped in cap

1/4 S 2 in N. half
S 11 1912 in S. half, from which

A mesquite 8 ins. dia. brs. N. 9° E., 57 lks. dist.
Mkd. 1/4 S 2 B T.

A mesquite 7 ins. dia. brs. S. 14° W., 35 lks. dist.
Mkd. 1/4 S 11 B T.

50.00 Leave timber, brs. N. and S.

59.97 Set an iron post for the 1/16 sec. cor. No. 2, bet. secs. 2 and 11 (W 1/2), stamped in cap

Subdivision of T. 3 S., R. 2 E.

Chains

No 2 1/16 S 2 in N. half
S 11 1912 in S. half

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

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

Land, level. (Agricultural).
Soil, 1st rate.
Brush, sage.
Timber, mesquite, 35.00 chs.

From the 1/16 sec. cor. No. 12, bet. secs. 10 and 11 (S 1/2),
I run

East on a random line through the middle of the S. half
of sec. 11.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 4 lks. S. of the 1/16 sec. cor. No. 12, bet. secs.
11 and 12 (S 1/2).

Thence I run

S. 89° 58' W. on a true line through the middle of the S.
half of sec. 11.

Over level land, through timber.

10.00 Leave timber, brs. NW. and SE.
Enter swampy land, and salt grass.

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

No 11 in N.
1/16 S 11 in center
1912 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.

40.00 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE.
and SW. quarters of sec. 11, stamped in cap

No 10 in N.
1/16 S 11 in center
1912 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.

60.00 Set an iron post for 1/16 sec. cor. No. 9, in the center
of the SW 1/4 of sec. 11, stamped in cap

No 9 in N.
1/16 S 11 in center
1912 in S.

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

Subdivision of T. 3 S., R. 2 E.

Chains

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

70.00 Slough, 20 lks. wide, (part of Santa Cruz Wash) course N.

80.00 The 1/16 sec. cor. No. 12, bet. secs. 10 and 11 (S¼).

Land, level. (Agricultural).
Soil, alkali, 2nd rate.
Brush, 10.00 chs.

From the ¼ sec. cor. bet. secs. 10 and 11, I run
East on a random line through the middle of sec. 11.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. center ¼ sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.92 Falls 4 lks. S. of the ¼ sec. cor. bet. secs. 11 and 12.

Thence I run

3. 89° 58' W. on a true line through the middle of sec. 11.

Over level land, through mesquite timber.

5.00 Santa Cruz Wash, 20 lks. wide, course NW.

19.98 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE.
and SE. quarters of sec. 11, stamped in cap

No 7 in N.
1/16 S 11 in center
1912 in S., from which

A mesquite 8 ins. dia. brs. S. 60¼° W., 33 lks. dist.
Mkd. 1/16 S 11 B T.

A mesquite 10 ins. dia. brs. N. 5½° W., 115 lks. dist.
Mkd. 1/16 S 11 B T.

39.96 Set an iron post for the center ¼ sec. cor. of sec. 11,
stamped in cap

C ¼ S 11 in center
1912 in S., from which

A mesquite 9 ins. dia. brs. N. 26¼° E., 146 lks. dist.
Mkd. C ¼ S 11 B T.

A mesquite 9 ins. dia. brs. S. 56¼° E., 162 lks. dist.
Mkd. C ¼ S 11 B T.

A mesquite 10 ins. dia. brs. S. 65° W., 138 lks. dist.
Mkd. C ¼ S 11 B T.

A mesquite 12 ins. dia. brs. N. 53¼° W., 197 lks. dist.
Mkd. C ¼ S 11 B T.

59.94 Set an iron post for the 1/16 sec. cor. No. 8, bet. the
NW. and SW. quarters of sec. 11, stamped in cap

No 8 in N.
1/16 S 11 in center
1912 in S., from which

A mesquite 8 ins. dia. brs. S. 56¼° E., 65 lks. dist.
Mkd. 1/16 S 11 B T.

A mesquite 9 ins. dia. brs. S. 26¼° W., 135 lks. dist.
Mkd. 1/16 S 11 B T.

Subdivision of T. 3 S., R. 2 E.

Chains.

79.92 The 1/4 sec. cor. bet. secs. 10 and 11.

Land, level. (Agricultural).
Soil, 1st rate.
Brush and timber, mesquite, 79.92 chs.

Jan. 15, 1912. At the 1/16 sec. cor. No. 6, bet. secs. 10 and 11 (N 1/2), I set off 21° 16' S. on the decl. arc, and at 12h 9m 12s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 11', which is within one minute of the proper lat.

Thence I run

East on a random line through the middle of the N. half of sec. 11.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.92 Falls 4 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 11 and 12 (N 1/2).

Thence I run

N. 89° 58' W. on a true line through the middle of the N. half of sec. 11.

Over level land, through mesquite timber.

19.98 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE 1/4 of sec. 11, stamped in cap

No 5 in N.
1/16 S 11 in center
1912 in S., from which

A mesquite 12 ins. dia. brs. N. 20 1/2° E., 78 lks. dist.
Mkd. 1/16 S 11 B T.

A mesquite 8 ins. dia. brs. S. 54 1/2° W., 80 lks. dist.
Mkd. 1/16 S 11 B T.

25.00 Dry wash, 12 lks. wide, course NW.

39.96 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 11, stamped in cap

No 4 in N.
1/16 S 11 in center
1912 in S., from which

A mesquite 8 ins. dia. brs. S. 35° W., 32 lks. dist.
Mkd. 1/16 S 11 B T.

A mesquite 12 ins. dia. brs. N. 70 1/2° W., 94 lks. dist.
Mkd. 1/16 S 11 B T.

59.94 Set an iron post for 1/16 sec. cor. No. 3, in the center of the NW 1/4 of sec. 11, stamped in cap

No 3 in N.
1/16 S 11 in center
1912 in S., from which

A mesquite 10 ins. dia. brs. N. 10° E., 76 lks. dist.
Mkd. 1/16 S 11 B T.

Book 10

Subdivision of T. 3 S., R. 2 E.

Chains

A mesquite 9 ins. dia. brs. S. $49\frac{1}{2}^{\circ}$ W., 137 lks. dist.
Mkd. 1/16 S 11 B T.

79.92 The 1/16 sec. cor. No. 6, bet. secs. 10 and 11 ($N\frac{1}{2}$).

Land, level. (Agricultural).
Soil, 1st rate.
Timber, mesquite.

Jan. 16, 1912. At 8.00 a.m., l.m.t., I set off $33^{\circ} 11'$
on the lat. arc, $21^{\circ} 04'$ S. on the decl. arc, and deter-
mine a meridian with the solar, at the cor. of secs. 2,
3, 10 and 11.

Thence I run

N. $0^{\circ} 01'$ W. on a random line bet. secs. 2 and 3.

20.00 Set temp. 1/16 sec. cor.

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

60.00 Set temp. 1/16 sec. cor.

80.04 Falls 7 lks. E. of the cor. of secs. 2, 3, 34 and 35, on
N. bdy. of Tp.

Thence I run

S. $0^{\circ} 04'$ E. on a true line bet. secs. 2 and 3.

Over level land, through sage brush.

20.04 Set an iron post for 1/16 sec. cor. No. 6, bet. secs. 2
and 3 ($N\frac{1}{2}$), stamped in cap

1/16 S 3 in W. half
S 2 in E. half
No 6 in N.
1912 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.

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

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

40.04 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3,
stamped in cap

$\frac{1}{4}$ S 3 in W. half
S 2 in E. half
1912 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.

(After diligent search, no trace of the old cor. is found).

45.00 Dry wash, 10 lks. wide, course NW.

60.04 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 2
and 3 ($S\frac{1}{2}$), stamped in cap

1/16 S 3 in W. half
S 2 in E. half

Subdivision of T. 3 S., R. 2 E.

Chains

No 12 in N.
1912 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.

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

Land, level. (Agricultural).
Soil, 1st rate.
Brush, sage.

From the 1/16 sec. cor. No. 12, bet. secs. 2 and 3 (S½),
I run

S. 89° 58' E. on a random line through the middle of the
S. half of sec. 2.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.92 Falls 4 lks. S. of the 1/16 sec. cor. No. 12, bet. secs.
1 and 2 (S½).

Thence I run

West on a true line through the middle of the S. half
of sec. 2.

Over level land.

19.98 Set an iron post for 1/16 sec. cor. No. 11, in the center
of the SE¼ of sec. 2, stamped in cap

No 11 in N.
1/16 S 2 in center
1912 in S.

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

23.50 Road, brs. NW. and SE.

39.96 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE.
and SW. quarters of sec. 2, stamped in cap

No 10 in N.
1/16 S 2 in center
1912 in S.

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

50.00 Leave sage brush, brs. NW. and SE. Enter timber.

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

59.94 Set an iron post for 1/16 sec. cor. No. 9, in the center
of the SW¼ of sec. 2, stamped in cap

No 9 in N.
1/16 S 2 in center
1912 in S.

Subdivision of T. 3 S., R. 2 E.

Chains

A mesquite 12 ins. dia. brs. N. 6 $\frac{1}{4}$ ° E., 69 lks. dist.
 Mkd. 1/16 S 2 B T.
 A mesquite 10 ins. dia. brs. S. 11 $\frac{1}{4}$ ° E., 35 lks. dist.
 Mkd. 1/16 S 2 B T.

61.50 Wash, 20 lks. wide, course N. 20° W.
 Leave timber, brs. N. 20° W. and S. 20° E.

79.92 The 1/16 sec. cor. No 12, bet. secs. 2 and 3 (8 $\frac{1}{2}$).

Land, level. (Agricultural).
 Soil, 1st rate.
 Timber, mesquite, 11.50 chs.

From the $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3, I run
 S. 89° 58' E. on a random line through the middle of sec. 2.

20.00 Set temp. 1/16 sec. cor.

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

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 2 lks. S. of the $\frac{1}{4}$ sec. cor. bet. secs. 1 and 2.

Thence I run

N. 89° 59' W. on a true line through the middle of sec. 2.
 Over level land, through sage brush.

20.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE.
 and SE. quarters of sec. 2, stamped in cap

No 7 in N.
 1/16 S 2 in center
 1912 in S.

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

40.00 Set an iron post for center $\frac{1}{4}$ sec. cor. of sec. 2,
 stamped in cap

C $\frac{1}{4}$ S 2 in center
 1912 in S.

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

44.50 Road, brs. NW. and SE.

56.00 Road, brs. NW. and SE.

60.00 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW.
 and SW. quarters of sec. 2, stamped in cap

No 8 in N.
 1/16 S 2 in center
 1912 in S.

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

Subdivision of T. 3 S., R. 2 E.

Chains

80.00 The 1/4 sec. cor. bet. secs. 2 and 3.

Land, level. (Agricultural).
Soil, 1st rate.
Brush, sage.

Cloudy at Noon today; no observation for lat. Jan. 16, 1912.

From the 1/16 sec. cor. No. 6, bet. secs. 1 and 2 (N 1/4),
I run

S. 89° 58' E. on a random line through the middle of the
N. half of sec. 2.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

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

Thence I run

West on a true line through the middle of the N. half of
sec. 2.

Over level land, through sage brush.

20.00 Set an iron post for 1/16 sec. cor. No. 5, in the center
of the NE 1/4 of sec. 2, stamped in cap

No 5 in N.
1/16 S 2 in center
1912 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.

40.00 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE.
and NW. quarters of sec. 2, stamped in cap

No 4 in N.
1/16 S 2 in center
1912 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.

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

60.00 Set an iron post for 1/16 sec. cor. No. 3, in the center
of the NW 1/4 of sec. 2, stamped in cap

No 3 in N.
1/16 S 2 in center
1912 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.

80.00 The 1/16 sec. cor. No. 6, bet. secs. 2 and 3 (N 1/4).

Land, level. (Agricultural).

Subdivision of T. 3 S., R. 2 E.

Chains

Soil, 1st rate.
Brush, sage.

Jan. 16, 1912.

Jan. 17, 1912. At 8.00 a.m., l.m.t., I set off 33° 07' on the lat. arc, 20° 52' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp., previously described.

Thence I run

N. 0° 02' W. bet. secs. 33 and 34.

Through brush and scattered timber, ascending.

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

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 33 and 34, stamped in cap

1/4 S 33 in W. half
S 34 in E. half
1912 in S., from which

A palo verde 9 ins. dia. brs. S. 26 1/2° E., 29 lks. dist.
Mkd. 1/4 S 34 B T.
An ironwood 14 ins. dia. brs. N. 32° W., 43 lks. dist.
Mkd. 1/4 S 33 B T.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

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

70.00 To foot of Estrella Mountains; steep, rocky ascent about 200 feet high.

Seeing that it will be impossible to establish the cor. of secs. 27, 28, 33 and 34 at the true point, I

Set an iron post for W.C. to the cor., stamped in cap

T 3 S S 27 in NE. quadrant
R 2 E S 34 in SE. "
S 33 in SW. "
S 28 in NW. "

W C 1912 in S.
1 notch on S. and 3 notches on E. edge

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

80.00 True point for the cor. of secs. 27, 28, 33 and 34 falls on top of spur, 200 ft. high, bearing NW. and SE.; solid rock.

(After diligent search, no trace of the old cor. is found).

Land, rolling and mountainous. (Grazing, 70.00 chs.; barren, 10.00 chs.)

Soil, 2nd, 3rd and 4th rate.
Brush, palo verde, ironwood, greasewood and giant cactus.
Timber, scattered palo verde and ironwood.

East on a random line bet. secs. 27 and 34.

Subdivision of T. 3 S., R. 2 E.

Chains

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect the cor. of secs. 26, 27, 34 and 35.

Thence I run

West on a true line bet. secs. 27 and 34.

Over level land, through brush and scattered timber.

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

40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 27 and 34, stamped in cap

1/4 S 27 in N. half
S 34 1912 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.

60.50 Road, brs. NE. and SW.

65.00 Foot of Estrella Mountains. Begin steep ascent of rocky spur, brs. NW. and SE.

80.00 Top of spur. True point for cor. of secs. 27, 28, 33 and 34.

Land, level, 65.00 chs.; mountainous, 15.00 chs. (Grazing, 65.00 chs.; barren, 15.00 chs.)

Soil, 3rd and 4th rate.

Brush, greasewood and cactus.

Timber, scattered palo verde and ironwood.

Cloudy at Noon today; no observation for lat. Jan. 17, 1912.

From the 1/4 sec. cor. bet. secs. 3 and 34, on S. bdy. of Tp., previously described, I run

N. 0° 01' W. on a random line through the middle of sec. 34.

40.00 Set temp. center 1/4 sec. cor.

80.00 Intersect the 1/4 sec. cor. bet. secs. 27 and 34.

From the 1/4 sec. cor. bet. secs. 33 and 34, I run

East on a random line through the middle of sec. 34.

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

80.00 (40.00) Falls 8 lks. S. of the 1/4 sec. cor. bet. secs. 34 and 35.

(Point for center 1/4 sec. cor. is therefore at temp. cor.)

Thence I run

S. 89° 57' W. on a true line through the middle of sec. 34.

Over level land, through sage brush.

40.00 Set an iron post for the center 1/4 sec. cor. of sec. 34, stamped in cap

Subdivision of T. 3 S., R. 2 E.

Chains

C 1/4 S 34 in center
1912 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 Enter ironwood and palo verde timber, brs. N. and S.

63.00 Road, brs. NE. and SW.

80.00 (40.00) The 1/4 sec. cor. bet. secs. 33 and 34.

Land, level. (Grazing).
Soil, gravelly, 3rd rate.
Timber, palo verde and ironwood, 38.00 chs.

Returning to the 1/4 sec. cor. bet. secs. 3 and 34, on S. bdy. of Tp., thence I run

N. 0° 01' W. on a true line through the middle of sec. 34.

Over level land, through scattered timber and brush.

37.00 Leave scattered timber, brs. NW. and SE.

40.00 The center 1/4 sec. cor. of sec. 34.

44.00 Enter palo verde and ironwood timber, brs. NE. and SW.

58.00 Road, brs, NE. and SW.

80.00 (40.00) The 1/4 sec. cor. bet. secs. 27 and 34.

Land, level. (Grazing).
Soil, gravelly, 3rd rate.
Brush, sage.
Timber, palo verde and ironwood.

From the true point for the cor. of secs. 27, 28, 33 and 34, I run

N. 0° 02' W. bet. secs. 27 and 28.

Over rough, rocky, mountainous land.

4.00 Begin descent, brs. E. and W.

30.00 Foot of descent. Drain, course NE. Begin ascent.

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

1/4 S 28 in W. half
S 27 in E. half
1912 in S.

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

(After diligent search, no trace of the old 1/4 sec. cor. is found).

44.00 Top of ascent. Rocky ridge, brs. E. and W. Begin descent.

64.00 Foot of descent. Drain, course NE.

Subdivision of T. 3 S., R. 2 E.

Chains

- 76.00 Begin abrupt ascent of rocky point, brs. E. and W.
- 80.00 Top of rocky point, 200 ft. high; and point for the cor. of secs. 21, 22, 27 and 28; impracticable to set iron post for same, therefore at
- 81.80 Set an iron post for W.C. to the cor. of secs. 21, 22, 27 and 28, stamped in cap

T 3 S S 22 in NE. quadrant
 R 2 E S 27 in SE. "
 S 28 in SW. "
 S 21 in NW. "

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

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

Foot of rocky point, brs. E. and W.

Land, rocky and mountainous. (grazing, 10.00 chs.; barren 70.00 chs.)
 Soil, 3rd and 4th rate.

 From the true point for the cor. of secs. 21, 22, 27 and 28, I run

East on a random line bet. secs. 22 and 27.

- 40.00 Set temp. ¼ sec. cor.

- 80.00 Intersect the cor. of secs. 22, 23, 26 and 27.

Thence I run

West on a true line bet. secs. 22 and 27.

Over level land, through sage brush.

- 9.00 Road, brs. N. 10° W. and S. 10° E.
- 21.70 Enter timber, brs. N. and S.
- 29.70 Road, brs. N. 20° E. and S. 20° W.
- 40.00 Set an iron post for the ¼ sec. cor. bet. secs. 22 and 27, stamped in cap

¼ S 22 in N. half
 S 27 1912 in S. half

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

(No suitable B.T.s available).

(After diligent search, no trace of the old ¼ sec. cor. is found).

- 73.40 Foot of rocky spur, brs. E. and W. Leave timber. Begin steep ascent over rocky E. side of spur.

- 80.00 True point for cor. of secs. 21, 22, 27 and 28.

Land, level. (Grazing).
 Soil, gravelly, 3rd rate.
 Timber, palo verde and ironwood, 51.70 chs.

Subdivision of T. 3 S., R. 2 E.

Chains

Jan. 18, 1912. At 8.00 a.m., l.m.t., I set off 33° 08' on the lat. arc, 20° 41' S. on the decl. arc, and determine a meridian with the solar, at the 1/4 sec. cor. bet. secs. 27 and 34.

Thence I run

N. 0° 01' W. on a random line through the middle of sec. 27.

40.00 Set temp. center 1/4 sec. cor.

80.00 Intersect the 1/4 sec. cor. bet. secs. 22 and 27.

From the 1/4 sec. cor. bet. secs. 27 and 28, I run

East on a random line through the middle of sec. 27.

40.00 Intersect the temp. center 1/4 sec. cor.

80.00 Intersect the 1/4 sec. cor. bet. secs. 26 and 27.

(Point for center 1/4 sec. cor. is therefore at temp. cor.)

Thence I run

West on a true line through the middle of sec. 27.

Over level land, through sage brush.

23.00 Enter scattered timber, brs. N. and S.

40.00 Set an iron post for the center 1/4 sec. cor. of sec. 27, stamped in cap

C 1/4 S 27 in center
1912 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.

(No suitable B.T.s available).

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

70.00 Drain, course NE. Leave timber, brs. NE. and SW.

Begin ascent of rocky, mountainous E. slope.

80.00 The 1/4 sec. cor. bet. secs. 27 and 28.

Land, level, 70.00 chs.; mountainous, 10.00 chs. (Grazing).
Soil, gravelly, 3rd rate.

Returning to the 1/4 sec. cor. bet. secs. 27 and 34, thence I run

N. 0° 01' W. on a true line through the middle of sec. 27.

Over level land, through scattered ironwood and palo verde timber.

40.00 The center 1/4 sec. cor. of sec. 27.

50.00 Road, brs. NE. and SW.

80.00 The 1/4 sec. cor. bet. secs. 22 and 27.

Subdivision of T. 3 S., R. 2 E.

Chains

Land, level.
Soil, gravelly, 3rd rate.
Scattered timber, palo verde and ironwood.

From the true point for the cor. of secs. 21, 22, 27 and 28,
I run

N. 0° 02' W. bet. secs. 21 and 22.

Over rocky spur of mountain, descending.

1.80 Foot of spur.
The W.C. to the cor. of secs. 21, 22, 27 and 28.
Thence over broken, rocky land, through scattered palo
verde and ironwood, giant cactus and greasewood.

29.25 Arroyo, 10 ft. deep, 20 lks. wide, course E.

33.80 Arroyo, 10 ft. deep, 20 lks. wide, course SE.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 21 and 22,
stamped in cap

$\frac{1}{4}$ S 21 in W. half
S 22 in E. half
1912 in S., from which

A palo verde 9 ins. dia. brs. S. 22° W., 72 lks. dist.
Mkd. $\frac{1}{4}$ S 21 B T.

(No other B.T. available).

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

(After diligent search, no trace of the old $\frac{1}{4}$ sec. cor.
is found).

52.00 Wash, 75 lks. wide, course NE.

55.20 Wash, 100 lks. wide, course N. 30° E.

80.00 Set an iron post for the cor. of secs. 15, 16, 21 and 22,
stamped in cap

T 3 S S 15 in NE. quadrant
R 2 E S 22 in SE. quadrant
S 21 in SW. quadrant
S 16 in NW. quadrant
1912 in S.

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

from which

An ironwood 10 ins. dia. brs. N. 64° E., 64 lks. dist.
Mkd. T 3 S R 2 E S 15 B T.

A palo verde 12 ins. dia. brs. S. 69° E., 132 lks. dist.
Mkd. T 3 S R 2 E S 22 B T.

A palo verde 12 ins. dia. brs. S. 68° W., 16 lks. dist.
Mkd. T 3 S R 2 E S 21 B T.

An ironwood 10 ins. dia. brs. N. 70 $\frac{1}{4}$ ° W., 116 lks. dist.
Mkd. T 3 S R 2 E S 16 B T.

(After diligent search, no trace of the old cor. is found).

Land, broken and rocky.
Soil, 3rd and 4th rate.
Timber, scattered ironwood and palo verde.
Brush, greasewood and cactus.

Subdivision of T. 3 S., R. 2 E.

Chains

Jan. 18, 1912. At the cor. of secs. 15, 16, 21 and 22, I set off $20^{\circ} 40'$ S. on the decl. arc, and at 12h 10m 15s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ} 09'$, which is within one minute of the proper lat.

 East on a random line bet. secs. 15 and 22.

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

80.00 Intersect the cor. of secs. 14, 15, 22 and 23.

Thence I run

West on a true line bet. secs. 15 and 22.

Through greasewood brush, ascending.

17.00 Road, brs. N. and S.

20.00 Enter rocky land, and scattered timber.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 15 and 22, stamped in cap

$\frac{1}{4}$ S 15 in N. half
 S 22 1912 in S. half

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

(No suitable B.T.s available).

(After diligent search, no trace of the old $\frac{1}{4}$ sec. cor. is found).

80.00 The cor. of secs. 15, 16, 21 and 22.

Land, flat, ascending. (Grazing).

Soil, rocky, 3rd rate.

Timber, scattered ironwood and palo verde.

 From the $\frac{1}{4}$ sec. cor. bet. secs. 22 and 27, I run

N. $0^{\circ} 01'$ W. on a random line through the middle of sec. 22.

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

80.00 Falls 4 lks. W. of the $\frac{1}{4}$ sec. cor. bet. secs. 15 and 22.

Move temp. center $\frac{1}{4}$ sec. cor. 2 lks. E.

From the $\frac{1}{4}$ sec. cor. bet. secs. 21 and 22, I run

East on a random line through the middle of sec. 22.

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

80.00 Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23.

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

Thence I run

Subdivision of T. 3 S., R. 2 E.

Chains

West on a true line through the middle of sec. 22.

Through sage brush, ascending.

16.00 Road, brs. N. and S.

22.00 Leave sage brush; enter scattered timber, brs. N. and S.

40.00 Set an iron post for center $\frac{1}{4}$ sec. cor. of sec. 22, stamped in cap

C $\frac{1}{4}$ S 22 in center
1912 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.

(No suitable B.T.s available).

80.00 (40.00) The $\frac{1}{4}$ sec. cor. bet. secs. 21 and 22.

Land, nearly level and broken. (Grazing land).
Soil, gravelly, 3rd rate.
Timber, palo verde and ironwood, 58.00 chs.
Brush, sage, 22.00 chs.; cactus and greasewood, 58.00 chs.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 22 and 27, thence I run

N. 0° 01' E. on a true line through the middle of sec. 22.

Over level land, through scattered palo verde and ironwood timber; greasewood brush, and cactus.

37.00 Dry wash, 30 lks. wide, course E.

39.96 The center $\frac{1}{4}$ sec. cor. of sec. 22.

62.00 Dry wash, 20 lks. wide, course NE.

73.00 Dry wash, 20 lks. wide, course N. 60° E.

80.00 (40.04) The $\frac{1}{4}$ sec. cor. bet. secs. 15 and 22.

Land, level.
Soil, gravelly, 3rd rate.
Brush, greasewood and giant cactus.
Timber, scattered palo verde.

Jan. 18, 1912.

Jan. 19, 1912. At 8.00 a.m., l.m.t., I set off 33° 09' on the lat. arc, 20° 29' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 15, 16, 21 and 22.

Thence I run

N. 0° 02' W. bet. secs. 15 and 16.

Over rolling land, through scattered timber.

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

Subdivision of T. 3 S., R. 2 E.

Chains

1/4 S 16 in W. half
S 15 in E. half
1912 in S., from which

An ironwood 8 ins. dia. brs. N. 13 1/2° E., 121 lks. dist.
Mkd. 1/4 S 15 B T.
An ironwood 12 ins. dia. brs. N. 23 1/2° W., 81 lks. dist.
Mkd. 1/4 S 16 B T.

(After diligent search no trace of the old 1/4 sec. cor. is found).

42.87 Wash, 20 lks. wide, course NE.

70.00 Leave scattered timber, brs. E. and W.

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

T 3 S S 10 in NE. quadrant
R 2 E S 15 in SE. "
S 16 in SW. "
S 9 in NW. "
1912 in S.

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

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.

(After diligent search, no trace of the old cor. is found).

Land, rolling. (Grazing).
Soil, gravelly, 3rd rate.
Brush, greasewood and cactus.
Timber, ironwood and palo verde.

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

40.00 Set temp. 1/4 sec. cor.

80.16 Falls 4 lks. S. of the cor. of secs. 10, 11, 14 and 15.

Thence I run

S. 89° 58' W. on a true line bet. secs. 10 and 15.

Over level land, through greasewood and sage brush, and cactus.

20.50 Road, brs. N. and S.

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

40.08 Set an iron post for the 1/4 sec. cor. bet. secs. 10 and 15, stamped in cap

1/4 S 10 in N. half
S 15 1912 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.

(After diligent search no trace of the old 1/4 sec. cor. is found).

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

Subdivision of T. 3 S., R. 2 E.

Chains

Land, level. (Grazing).
Soil, gravelly, 3rd rate.
Brush, greasewood and cactus.

From the $\frac{1}{4}$ sec. cor. bet. secs. 15 and 22, I run
N. $0^{\circ} 01'$ W. on a random line through the middle of sec. 15.

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

80.01 Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 10 and 15.

From the $\frac{1}{4}$ sec. cor. bet. secs. 15 and 16, I run
East on a random line through the middle of sec. 15.

40.02 Falls 2 lks. S. of temp. center $\frac{1}{4}$ sec. cor.

80.08 Falls 4 lks. S. of the $\frac{1}{4}$ sec. cor. bet. secs. 14 and 15.
(Point for center $\frac{1}{4}$ sec. cor. is therefore at temp. cor.)

Thence I run

S. $89^{\circ} 58'$ W. on a true line through the middle of sec. 15.
Over rolling land, through greasewood brush and cactus.

18.00 Road, brs. N. and S.

40.06 Set an iron post for center $\frac{1}{4}$ sec. cor. of sec. 15,
stamped in cap

C $\frac{1}{4}$ S 15 in center
1912 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.

66.00 Enter scattered timber, brs. NW. and SE.

80.08 (40.02) The $\frac{1}{4}$ sec. cor. bet. secs. 15 and 16.

Land, rolling. (Grazing).
Soil, rocky and gravelly, 3rd rate.
Timber, scattered palo verde and ironwood.
Brush, greasewood and cactus.

Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 15 and 22,
thence I run

N. $0^{\circ} 01'$ W. on a true line through the middle of sec. 15.

Over rolling land, through scattered palo verde and iron-
wood timber, greasewood brush, and giant cactus.

20.00 Leave scattered timber, brs. NW. and SE.

40.00 The center $\frac{1}{4}$ sec. cor. of sec. 15.

62.00 Wash, 20 lks. wide, course N. 60° E.

80.01 (40.01) The $\frac{1}{4}$ sec. cor. bet. secs. 10 and 15.

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Subdivision of T. 3 S., R. 2 E.

Chains

Land, rolling (Grazing).
 Soil, rocky and gravelly, 3rd rate.
 Timber, scattered palo verde and ironwood, 20.00 chs.
 Brush, greasewood, and giant cactus, 80.00 chs.

Jan. 20, 1912, At 8.00 a.m., l.m.t., I set off 30° 10' on the lat. arc, 20° 16' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 9, 10, 15 and 16.

Thence I run

N. 0° 02' W. bet. secs. 9 and 10.

Over rolling land, through brush.

- 1.50 Wash, 20 lks. wide, course N. 50° E.
 - 12.00 Road, brs. NE. and SW.
 - 29.00 Wash, 200 lks. wide, course N. 70° E.
 - 35.00 Wash, 400 lks. wide, course N. 70° E.
 - 40.00 Head of draw, course NE.
 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
 - 1912 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.
 (After diligent search, no trace of the old $\frac{1}{4}$ sec. cor. is found).
 - 45.00 Wash, 300 lks. wide, course N. 70° E.
 - 53.30 Wash, 100 lks. wide, course N. 70° E.
 - 60.00 Wash, 500 lks. wide, course NE.
 Set an iron post for $\frac{1}{16}$ sec. cor. No. 6, bet. secs. 9 and 10 ($N\frac{1}{2}$), with cap stamped
 - $\frac{1}{16}$ S 9 in W. half
 - S 10 in E. half
 - No 6 in N.
 - 1912 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. 3, 4, 9 and 10, stamped in cap
 - T 3 S S 3 in NE. quadrant
 - R 2 E S 10 in SE. "
 - S 9 in SW. "
 - S 4 in NW. "
 - 1912 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.
 (After diligent search no trace of the old cor. is found)
- Land, rolling (Grazing).
 Soil, rocky and gravelly, 3rd rate.
 Brush, greasewood, sage, and giant cactus.

Subdivision of T. 3 S., R. 2 E.

Chains

N. 89° 52' E. on a random line bet. secs. 3 and 10.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/4 sec. cor.

50.00 Set temp. 1/16 sec. cor.

80.16 Falls 15 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence I run

N. 89° 56' W. on a true line bet. secs. 3 and 10.

Over level land, through mesquite brush and timber.

11.40 Wash, 20 lks. wide, course NW.

13.00 Leave timber, brs. NW. and SE.

20.04 Set an iron post for 1/16 sec. cor. No. 1, bet. secs. 3 and 10 (E 1/4), stamped in cap

No 1 1/16 S 3 in N. half
S 10 1912 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.

23.00 Enter timber, brs. N. and S.

24.60 Wash, 20 lks. wide, course N. 10° E.

36.50 Santa Cruz Wash (running water) 50 lks. wide, course NW.

40.08 Set an iron post for 1/4 sec. cor. bet. secs. 3 and 10, stamped in cap

1/4 S 3 in N. half
S 10 1912 in S. half, from which

A mesquite 12 ins. dia. brs. S. 50° E., 38 lks. dist.
Mkd. 1/4 S 10 B T.

A mesquite 10 ins. dia. brs. N. 43° W., 31 lks. dist.
Mkd. 1/4 S 3 B T.

(After diligent search, no trace of the old 1/4 sec. cor. is found).

50.00 Slough, 20 lks. wide, brs. NW. and SE.
Leave timber, brs. NW. and SE.

52.85 Road, brs. NW. and SE. Leave level land, brs. NW. and SE.
Enter rolling land.

60.12 Set an iron post for 1/16 sec. cor. No. 2, bet. secs. 3 and 10 (W 1/4), stamped in cap

No 2 1/16 S 3 in N. half
S 10 1912 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.

62.00 Indian hut, brs. S., 2.00 chs. dist.

73.40 Wash, 5.00 chs. wide, course N. 60° E.

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Subdivision of T. 3 S., R. 2 E.

Chains

- 80.16 The cor. of secs. 3, 4, 9 and 10.
 Land, level, 52.85 chs.; rolling, 27.31 chs. (Agricultural,
 52.80 chs.; grazing, 27.31 chs.)
 Soil, 2nd and 3rd rate.
 Brush, mesquite and sage.
 Timber, mesquite 40.00 chs.
-
- From the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10, I run
 N. 89° 58' E. on a random line through the middle of sec.
 10.
- 20.00 Set temp. 1/16 sec. cor.
 40.00 Set temp. center $\frac{1}{4}$ sec. cor.
 60.00 Set temp. 1/16 sec. cor.
- 80.12 Falls 4 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 10 and 11,
 Thence I run
 West on a true line through the middle of sec. 10.
 Over level land, through mesquite brush and timber.
- 1.00 Slough, 30 lks. wide, course NW.
 14.00 Leave timber, brs. NW. and SE.
 17.00 Road, brs. NW. and SE.
- 20.03 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE.
 and SE. quarters of sec. 10, stamped in cap
- No 7 in N.
 1/16 S 10 in center
 1912 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.;
 and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
- Leave level land, enter rolling land, brs. NW. and SE.
- 40.06 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 10,
 stamped in cap
- C $\frac{1}{4}$ S 10 in center
 1912 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.
- 51.00 Road, brs. N. and S.
 57.00 Arroyo, 50 lks. wide, course NE.
- 60.09 Set an iron post for 1/16 sec. cor. No. 8, bet. the NW.
 and SW. quarters of sec. 10, stamped in cap
- No 8 in N.
 1/16 S 10 in center
 1912 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.;
 and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.

Subdivision of T. 3 S., R. 2 E.

Chains

70.00 Arroyo, 30 lks. wide, course NW.

80.12 The 1/4 sec. cor. bet. secs. 9 and 10.

Land, level, 20.03 chs.; rolling, 60.09 chs. (Agricultural, 20.00 chs.; grazing land, 60.00 chs.)
Soil, 2nd and 3rd rate.
Brush, greasewood and mesquite.
Timber, mesquite, 14.00 chs.

Jan. 20, 1912. At the 1/16 sec. cor. No. 6, bet. secs. 9 and 10, (N 1/4), I set off 20° 16' S. on the decl. arc, and at 12h 10m 54s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 10', which is within one minute of the proper lat.

Thence I run

N. 89° 58' E. on a random line through the middle of the N. half of sec. 10.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.12 Falls 4 lks. N. of 1/16 sec. cor. No. 6, bet. secs. 10 and 11, (N 1/4).

Thence I run

West on a true line through the middle of the N. half of sec. 10.

Over level land, through mesquite brush and timber.

17.50 Santa Cruz Wash, 100 lks. wide, running water, course N.

20.03 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE 1/4 of sec. 10, stamped in cap

No 5 in N.
1/16 S 10 in center
1912 in S., from which

A mesquite 10 ins. dia. brs. N. 65° E., 59 lks. dist.
Mkd. 1/16 S 10 B T.

A mesquite 20 ins. dia. brs. S. 64 1/2° E., 106 lks. dist.
Mkd. 1/16 S 10 B T.

26.00 Wash, 10 lks. wide, course NE. Leave timber, brs. NE. and SW.

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

40.06 Set an iron post for the 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 10, stamped in cap

No 4 in N.
1/16 S 10 in center
1912 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.

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

Subdivision of T. 3 S., R. 2 E.

Chains

55.00 Wash, 10 lks. wide, course NE.

59.00 Leave level land, brs. NW. and SE.
Enter rolling land.

60.09 Set an iron post for 1/16 sec. cor. No. 3, in the center
of the NW 1/4 of sec. 10, stamped in cap

No 3 in N.
1/16 S 10 in center
1912 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.

80.12 The 1/16 sec, cor. No. 6, bet. secs. 9 and 10. (N 1/2).

Land, level, 59.00 chs.; rolling, 21.00 chs. (Agricultural,
59.00 chs.; grazing, 21.00 chs.)
Soil, 2nd and 3rd rate.
Brush, mesquite .
Timber, mesquite, 26.00 chs.

From the 1/4 sec. cor. bet. secs. 10 and 15, I run
N. 0° 01' W. on a random line through the middle of sec.
10.

40.00 Intersect the center 1/4 sec. cor. of sec. 10.

Returning to the 1/4 sec. cor. bet. secs. 3 and 10,
thence I run
N. 0° 01' W. on a true line through the middle of sec. 10.
Over rolling land, through greasewood brush and cactus.

40.00 The center 1/4 sec. cor. of sec. 10.

Land, rolling. (Grazing).
Soil, rocky and gravelly, 2nd and 3rd rate.
Brush, greasewood.

Jan. 20, 1912.

Jan. 22, 1912. At 8.00 a.m., l.m.t., I set off 33° 11' on
the lat. arc, 19° 50' S. on the decl. arc, and deter-
mine a meridian with the solar, at the cor. of secs. 3,
4, 9 and 10.

Thence I run

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

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.00 Falls 7 lks. W. of the cor. of secs. 3, 4, 33 and 34,
on N. bdy. of Tp.

Subdivision of T. 3 S., R. 2 E.

Chains

Thence I run

S. 0° 01' W. on a true line bet. secs. 3 and 4.

Over level land, through mesquite timber and brush.

6.00 Wash, 10 lks. wide, course NW.

14.30 Road, brs. E. and W.

20.00 Set an iron post for the 1/16 sec. cor. No. 6, bet. secs. 3 and 4 (N 1/4), stamped in cap

1/16 S 4 in W. half
S 3 in E. half
No 6 in N.
1912 in S., from which

A mesquite 10 ins. dia. brs. N. 53° E., 92 lks. dist.
Mkd. 1/16 S 3 B T.
A mesquite 8 ins. dia. brs. S. 9° W., 147 lks. dist.
Mkd. 1/16 S 4 B T.

31.30 Santa Cruz Wash, 50 lks. wide, course NW.

34.70 Leave timber, brs. NW. and SE. Enter sage brush.

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

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

(After diligent search, no trace of the old 1/4 sec. cor. is found).

46.00 Road, brs. N. 25° W. and S. 25° E.

57.00 Corral, brs. W., 100 lks. dist.

60.00 Set an iron post for 1/16 sec. cor. No. 12, bet. secs. 3 and 4, stamped in cap

1/16 S 4 in W. half
S 3 in E. half
No 12 in N.
1912 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.

65.00 Wash, 20 lks. wide, course S. 70° E. Leave level land, enter rolling land.

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

Land, level, 65.00 chs.; rolling, 15.00 chs. (Agricultural) Soil, 1st and 2nd rate.
Brush, and timber, mesquite, 34.70 chs.
Sage brush, 45.10 chs.

From the 1/16 sec. cor. No. 12, bet. secs. 3 and 4 (S 1/4), I run

Subdivision of T. 3 S., R. 2 E.

Chains

S. 89° 56' E. on a random line through the middle of the S. half of sec. 3.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

80.08 Intersect the 1/16 sec. cor. ^{No. 12} bet. secs. 2 and 3, (S $\frac{1}{2}$).

Thence I run

N. 89° 56' W. on a true line through the middle of the S. half of sec. 3.

Over level land, through mesquite brush and timber.

20.02 Set an iron post for 1/16 sec. cor. No. 11, in the center of the SE $\frac{1}{4}$ of sec. 3, stamped in cap

No 11 in N.
1/16 S 3 in center
1912 in S., from which

A mesquite 20 ins. dia. brs. N. 21 $\frac{1}{2}$ ° E., 162 lks. dist.
Mkd. 1/16 S 3 B T.

A mesquite 18 ins. dia. brs. S. 56° W., 71 lks. dist.
Mkd. 1/16 S 3 B T.

31.50 Santa Cruz Wash, 20 lks. wide, course N.

40.04 Set an iron post for 1/16 sec. cor. No. 10, bet. the SE. and SW. quarters of sec. 3, stamped in cap

No 10 in N.
1/16 S 3 in center
1912 in S., from which

A mesquite 12 ins. dia. brs. S. 14 $\frac{1}{2}$ ° E., 31 lks. dist.
Mkd. 1/16 S 3 B T.

A mesquite 12 ins. dia. brs. N. 27° W., 19 lks. dist.
Mkd. 1/16 S 3 B T.

52.50 Branch of Santa Cruz Wash, 50 lks. wide, course N.

55.00 Leave timber, brs. NW. and SE.

60.06 Set an iron post for 1/16 sec. cor. No. 9, in the center of the SW $\frac{1}{4}$ of sec. 3, stamped in cap

No 9 in N.
1/16 S 3 in center
1912 in S.

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

68.50 Road, brs. N. 20° W. and S. 20° E.
Leave level land, enter rolling land, brs. NW. and SE.

80.08 The 1/16 sec. cor. No. 12, bet. secs. 3 and 4 (S $\frac{1}{2}$).

Land, level, 68.50 chs.; rolling, 11.58 chs. (Agricultural)
Soil, sandy and rocky, 2nd and 3rd rate.
Timber, mesquite, 55.00 chs.
Brush, mesquite and sage.

Subdivision of T. 3 S., R. 2 E.

Chains

From the $\frac{1}{4}$ sec. cor. bet. secs. 3 and 4, I run
 S. 89° 56' E. on a random line through the middle of sec.
 3.

20.00 Set temp. 1/16 sec. cor.

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

60.00 Set temp. 1/16 sec. cor.

80.00 Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3.

Thence I run
 N. 89° 56' W. on a true line through the middle of sec. 3.
 Over level land.

15.00 Enter brush and timber, brs. N. and S.

20.00 Set an iron post for 1/16 sec. cor. No. 7, bet. the NE.
 and SE. quarters of sec. 3, stamped in cap

No 7 in N.
 1/16 S 3 in center
 1912 in S., from which

A mesquite 36 ins. dia. brs. N. 35 $\frac{1}{2}$ ° E., 74 lks. dist.
 Mkd. 1/16 S 3 B T.
 A mesquite 40 ins. dia. brs. S. 43 $\frac{1}{4}$ ° E., 180 lks. dist.
 Mkd. 1/16 S 3 B T.

40.00 Set an iron post for the center $\frac{1}{4}$ sec. cor. of sec. 3,
 stamped in cap

C $\frac{1}{4}$ S 3 in center
 1912 in S., from which

A mesquite 6 ins. dia. brs. N. 24° E., 47 lks. dist.
 Mkd. C $\frac{1}{4}$ S 3 B T.
 A mesquite 24 ins. dia. brs. S. 78 $\frac{1}{2}$ ° W., 38 lks. dist.
 Mkd. C $\frac{1}{4}$ S 3 B T.
 A mesquite 6 ins. dia. brs. S. 47 $\frac{1}{2}$ ° W., 33 lks. dist.
 Mkd. C $\frac{1}{4}$ S 3 B T.
 A mesquite 9 ins. dia. brs. N. 38° W., 52 lks. dist.
 Mkd. C $\frac{1}{4}$ S 3 B T.

43.15 Santa Cruz Wash, 50 lks. wide, course NW.

45.00 Wash, 20 lks. wide, course N.

60.00 Set an iron post for the 1/16 sec. cor. No. 8, bet. the
 NW. and SW. quarters of sec. 3, stamped in cap

No 8 in N.
 1/16 S 3 in center
 1912 in S., from which

A mesquite 8 ins. dia. brs. N. 37 $\frac{1}{2}$ ° E., 80 lks. dist.
 Mkd. 1/16 S 3 B T.
 A mesquite 8 ins. dia. brs. S. 29 $\frac{1}{2}$ ° W., 21 lks. dist.
 Mkd. 1/16 S 3 B T.

72.00 Branch of Santa Cruz Wash, 50 lks. wide, course NW.
 Leave timber, brs. NW. and SE.

80.00 The $\frac{1}{4}$ sec. cor. bet. secs. 3 and 4.

Land, level. (Agricultural.
 Soil, sandy and alkali, 2nd rate.
 Brush and timber, mesquite, 67.00 chs.

Subdivision of T. 3 S., R. 2 E.

Chains

Jan. 22, 1912. At the 1/16 sec. cor. No. 6, bet. secs. 3 and 4 (N $\frac{1}{4}$), I set off 19° 49' S. on the decl. arc, and at 12h 11m 30s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 11', which is within one minute of the proper lat.

Thence I run

S. 89° 56' E. on a random line through the middle of the N. half of sec. 3.

20.00 Set temp. 1/16 sec. cor.

40.00 Set temp. 1/16 sec. cor.

60.00 Set temp. 1/16 sec. cor.

79.96 Falls 3 lks. N. of the 1/16 sec. cor. No. 6, bet. secs. 2 and 3 (N $\frac{1}{4}$).

Thence I run

N. 89° 57' W. on a true line through the middle of the N. half of sec. 3.

Over level land, through sage brush.

3.80 Road, brs. N. and S.

19.99 Set an iron post for 1/16 sec. cor. No. 5, in the center of the NE $\frac{1}{4}$ of sec. 3, stamped in cap

No 5 in N.
1/16 S 3 in center
1912 in S.

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

30.00 Irrigation ditch, 20 lks. wide, course N. 20° W.

38.00 Enter mesquite timber, brs. N. and S.

39.98 Set an iron post for 1/16 sec. cor. No. 4, bet. the NE. and NW. quarters of sec. 3, stamped in cap

No 4 in N.
1/16 S 3 in center
1912 in S., from which

A mesquite 12 ins. dia. brs. N. 21° E., 161 lks. dist.
Mkd. 1/16 S 3 B T.

A mesquite 8 ins. dia. brs. S. 10° W., 106 lks. dist.
Mkd. 1/16 S 3 B T.

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

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

A mesquite 8 ins. dia. brs. N. 53 $\frac{1}{2}$ ° E., 161 lks. dist.
Mkd. 1/16 S 3 B T.

A mesquite 10 ins. dia. brs. S. 21 $\frac{1}{4}$ ° W., 62 lks. dist.
Mkd. 1/16 S 3 B T.

79.96 The 1/16 sec. cor. No. 6, bet. secs. 3 and 4 (N $\frac{1}{4}$).

Subdivision of T. 3 S., R. 2 E.

Chains

Land, level. (Agricultural).
Soil, sandy and alkali, 2nd rate.
Brush and timber, mesquite.

Jan. 22, 1912.

Jan. 23, 1912. At 8.00 a.m., l.m.t., I set off 33° 07' on the lat. arc, 19° 36' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp., previously described.

Thence I run

N. 0° 02' W. bet. secs. 32 and 33.

Over level land, through scattered palo verde and ironwood timber and brush, and giant cactus.

27.50 Begin abrupt ascent, over rocky, barren mountain, bearing E. and W. Leave scattered brush and timber.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 32 and 33, stamped in cap

$\frac{1}{4}$ S 32 in W. half
S 33 in E. half
1912 in S.

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

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

T 3 S S 28 in NE. quadrant
R 2 E S 33 in SE. quadrant
S 32 in SW. quadrant
S 29 in NW. quadrant
1912 in S.

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

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

Land, level, 27.50 chs.; barren, rocky and mountainous, 52.50 chs. (Grazing, 27.50 chs.; barren, 52.50 chs.)
Soil, 3rd and 4th rate.
Brush, greasewood and giant cactus, 27.50 chs.
Timber, palo verde and ironwood, 27.50 chs.

East on a random line bet. secs. 28 and 33.

40.00 Point for $\frac{1}{4}$ sec. cor.

80.16 Falls 2 lks. N. of the true point for cor. of secs. 27, 28, 33 and 34.

Thence I run

N. 89° 59' W. on a true line bet. secs. 28 and 33.

Over rough, rocky, mountainous land, ascending abruptly.

20.00 Top of ascent of ridge, brs. N. 10° W. and S. 10° E.
Thence along SW. side of ridge.

Subdivision of T. 3 S., R. 2 E.

Chains

40.08 Point for $\frac{1}{4}$ sec. cor. bet. secs. 28 and 33 falls on rocky point; impracticable to set cor.; therefore at

51.85 Set an iron post for W.C. to the $\frac{1}{4}$ sec. cor. bet. secs. 28 and 33, stamped in cap

$\frac{1}{4}$ S 28 in N. half
S 33 W C 1912 in S. half

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

55.00 Foot of descent. Drain, course S. Begin abrupt ascent, brs. N. 30° W. and S. 30° E.

73.00 Top of ascent of ridge, brs. N. and S. Begin descent, brs. N. and S.

80.16 The cor. of secs. 28, 29, 32 and 33.

Land, broken, rocky and mountainous. (Barren).
Soil, rocky.

Jan. 23, 1912. At this cor., I set off 19° 36' S. on the decl. arc, and at 12h 11m 46s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 08', which is within one minute of the proper lat.

N. 0° 02' W. bet. secs. 28 and 29.

Over rough, rocky, mountainous land, ascending.

12.00 Top of ridge, brs. NW. and SE. Thence along E. slope of ridge.

34.00 Small butte, brs. E., 4.00 chs. dist.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 28 and 29, stamped in cap

$\frac{1}{4}$ S 29 in W. half
S 28 in E. half
1912 in S.

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

44.00 Drain, course SE. Thence ascend over W. side of mountain.

65.00 Top of small butte. Begin descent.

80.00 Set an iron post for the cor. of secs. 20, 21, 28 and 29, stamped in cap

T 3 S S 21 in NE. quadrant
R 2 E S 28 in SE. quadrant
S 29 in SW. quadrant
S 20 in NW. quadrant
1912 in S.

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

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

Land, rough, rocky and mountainous. (Barren).
Soil, rocky.

Jan. 23, 1912.

Subdivision of T. 3 S., R. 2 E.

Chains

Jan. 24, 1912. At 8.00 a.m., l.m.t., I set off 33° 08' on the lat. arc, 19° 23' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 20, 21, 28 and 29.

Thence I run

S. 89° 59' E. on a random line bet. secs. 21 and 28.

40.00 Set temp. 1/4 sec. cor.

80.00 Falls 14 lks. S. of the point for the cor. of secs. 21, 22, 27 and 28.

Thence I run

S. 89° 55' W. on a true line bet. secs. 21 and 28.

Over rough, rocky, mountainous land.

22.00 Begin abrupt ascent, brs. N. and S.

40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 21 and 28, stamped in cap

1/4 S 21 in N. half
S 28 1912 in S. half

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

52.00 Top of ascent. Begin descent into canyon, 5.00 chs. wide, brs. NE. and SW.

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

Land, rough, rocky and mountainous. (Barren).
Soil, rocky.

Jan. 24, 1912. At this cor., I set off 19° 22' S. on the decl. arc, and at 12h 12m 2s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 08', which is within one minute of the proper lat.

N. 0° 02' W. bet. secs. 20 and 21.

Over rough, rocky, mountainous land, descending.

25.00 Foot of descent. Canyon, brs. E. and W.
Spring and running water, brs. W., 5.00 chs. dist.
Begin steep ascent of ridge, brs. E. and W.

30.00 Top of ascent of ridge, brs. E. and W.

As the true point for the 1/4 sec. cor. will fall on slide rocks on steep side of mountain, where it would be impracticable to set the cor., I

Set an iron post ^{W.C.to} for the 1/4 sec. cor. bet. secs. 20 and 21, stamped in cap

1/4 S 20 in W. half
S 21 in E. half
W C 1912 in S.

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

40.00 True point for the 1/4 sec. cor.

Subdivision of T. 3 S., R. 2 E.

Chains

- 58.00 Foot of descent; drain, course E. Begin ascent of ridge, brs. E. and W.
- 75.00 Top of ascent of ridge, brs. E. and W. Bottom of descent, brs. E. and W.
- 80.00 Set an iron post for the cor. of secs. 16, 17, 20 and 21, stamped in cap
 - T 3 S S 16 in NE. quadrant
 - R 2 E S 21 in SE. quadrant
 - S 20 in SW. quadrant
 - S 17 in NW. quadrant
 - 1912 in S.
 - 3 notches on S. and 4 notches on E. edge

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

Land, rough, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Jan. 24, 1912.

Jan. 25, 1912. At 8.00 a.m., l.m.t., I set off 33° 09' on the lat. arc, 19° 36' S. 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. 89° 55' E. on a random line bet. secs. 16 and 21.

- 40.00 Set temp. ¼ sec. cor.

- 80.00 Falls 12 lks. N. of the cor. of secs. 15, 16, 21 and 22,

Thence I run

West on a true line bet. secs. 16 and 21.

Over level land, through scattered timber.

- 14.80 Wash, 30 lks. wide, course NE.

- 18.00 Enter wash, course N. 70° E.

- 22.00 Leave wash, course N. 70° E.

Thence over rough, rocky land.

- 32.85 Arroyo, 10 ft. deep, 30 lks. wide, course N. 70° E.

- 40.00 Set an iron post for ¼ sec. cor. bet. secs. 16 and 21, stamped in cap

- ¼ S 16 in N. half
- S 21 1912 in S. half

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

(No suitable B.T.s available).

After diligent search no trace of the old ¼ sec. cor. is found.

Subdivision of T. 3 S., R. 2 E.

Chains

50.00 Begin abrupt ascent of E. slope of Estrella Mountains. Leave scattered timber, brs. N. and S.

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

Land, level, 22.00 chs.; rough and rocky, 68.00 chs. (Grazing land, 50.00 chs.; barren land, 30.00 chs.) Soil, 2nd and 4th rate. Brush and timber, 50.00 chs.

Jan. 25, 1912. At this cor., I set off 19° 08' on the decl. arc, and at 12h 12m 16s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 09', which is within one minute of the proper lat.

N. 0° 02' W. bet. secs. 16 and 17.

Over rocky, mountainous land, descending.

10.00 Foot of descent, brs. N. 70° E. and S. 70° W. Begin ascent, brs. E. and W.

28.00 Top of ascent; ridge, brs. E. and W. Begin descent, brs. E. and W.

40.00 Point for 1/4 sec. cor. bet. secs. 16 and 17 falls in pile of rocks on steep side of mountain; impracticable to set post; therefore at

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

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

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

Foot of descent. Thence over rough, rocky, rolling land.

60.00 Arroyo, 50 lks. wide, course E.

70.00 Arroyo, 50 lks. wide, course E.

75.00 Begin abrupt ascent along E. side of mountain.

79.40 As the true point for the cor. of secs. 8, 9, 16 and 17 will fall on solid face of steep E. slope of rocky point,

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

T 3 S S 9 in NE. quadrant
R 2 E S 16 in SE. quadrant
S 17 in SW. quadrant
S 8 in NW. quadrant
W C 1912 in S.

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

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

80.00 Point for cor. of secs. 8, 9, 16 and 17 falls on solid rock on steep E. slope of point.

Land, rough and mountainous. (Barren). Soil, 4th rate.

Subdivision of T. 3 S., R. 2 E.

Chaine

Jan. 26, 1912. At 8.00 a.m., l.m.t., I set off 33° 10' on the lat. arc, 18° 54' S. on the decl. arc, and determine a meridian with the solar at the true point for cor. of secs. 8, 9, 16 and 17.

Thence I run

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

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect the cor. of secs. 9, 10, 15 and 16.

Thence I run

West on a true line bet. secs. 9 and 16.

Over rolling land, through sage brush.

8.00 Enter scattered timber, brs. N. and S.

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

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

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

(No suitable B.T.s available).

(After diligent search, no trace of the old 1/4 sec. cor. is found).

55.00 Arroyo, 20 lks. wide, course NE.

78.50 Wash, 10 lks. wide, course NE. Leave timber, brs. N. and S. Begin steep ascent of spur of mountain.

80.08 Point for cor. of secs. 8, 9, 16 and 17.

Land, rolling. (Grazing).
Soil, 3rd and 4th rate.
Timber, scattered palo verde and ironwood.

N. 0° 02' W. bet. secs. 8 and 9.

Over rocky spur of mountain, descending.

10.00 Foot of descent, brs. E. and W. Thence over rough, broken land.

24.00 Arroyo, 20 ft. deep, 1 ch. wide, course E. Enter scattered timber, brs. NW. and SE.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 8 and 9, stamped in cap

1/4 S 8 in W. half
S 9 in E. half
1912 in S., from which

A palo verde 9 ins. dia. brs. S. 28 1/2° E., 57 lks. dist.
Mkd. 1/4 S 9 B T.

A palo verde 12 ins. dia. brs. S. 65° W., 105 lks. dist.
Mkd. 1/4 S 8 B T.

Subdivision of T. 3 S., R. 2 E.

Chains

(After diligent search, no trace of the old $\frac{1}{4}$ sec. cor. is found).

78.00 Arroyo, 1.00 ch. wide, 25 ft. deep, course N. 10° E.

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

T 3 S S 4 in NE. quadrant
R 2 E S 9 in SE. quadrant
S 8 in SW. quadrant
S 5 in NW. quadrant

1912 in S.

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

from which

A palo verde 9 ins. dia. brs. N. 24 $\frac{1}{2}$ ° E., 198 lks. dist.
Mkd. T 3 S R 2 E S 4 B T.

A palo verde 9 ins. dia. brs. S. 43 $\frac{1}{2}$ ° E., 150 lks. dist.
Mkd. T 3 S R 2 E S 9 B T.

A palo verde 12 ins. dia. brs. S. 55° W., 127 lks. dist.
Mkd. T 3 S R 2 E S 8 B T.

A palo verde 10 ins. dia. brs. N. 27 $\frac{1}{2}$ ° W., 200 lks. dist.
Mkd. T 3 S R 2 E S 5 B T.

(After diligent search no trace of the old cor. is found).

Land, rolling and broken. (Grazing).

Soil, 3rd and 4th rate.

Timber, scattered palo verde and ironwood.

Brush, greasewood and castus.

Jan. 26, 1912. At this cor., I set off 18° 51' S. on the decl. arc, and at 12h 12m 30s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 11', which is within one minute of the correct lat.

East on a random line bet. secs. 4 and 9.

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

80.00 Intersect the cor. of secs. 3, 4, 9 and 10.

Thence I run

West on a true line bet. secs. 4 and 9.

Over rolling land, through greasewood brush.

10.00 Wash, 2.00 chs. wide, course N. 60° E.

18.00 Enter scattered palo verde and ironwood timber, brs. N. and S.

25.00 Wash, 2 lks. wide, course NR.

32.00 Wash, 150 lks. wide, course N. 70° E.

39.50 Wash, 100 lks. wide, course S. 20° E.

40.00 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 1912 in S. half, from which

A palo verde 9 ins. dia. brs. N. 60 $\frac{1}{2}$ ° W., 21 lks. dist.
Mkd. $\frac{1}{4}$ S 4 B T.

copy 3461

Subdivision of T. 3 S., R. 2 E.

Chains

A mesquite 10 ins. dia. brs. S. 40 1/2° E., 52 lks. dist.
Mkd. 1/4 S 9 B T.

(After diligent search no trace of the old 1/4 sec. cor. is found).

49.00 Arroyo, 20 ft. deep, 70 lks. wide, course S.

71.00 Arroyo, 20 ft. deep, 1.00 ch. wide, course N. 20° W.

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

Land, rolling. (Grazing).
Soil, rocky and gravelly, 3rd rate.
Timber, scattered palo verde and ironwood.
Brush, greasewood.

Jan. 26, 1912.

Jan. 27, 1912. At 8.00 a.m., l.m.t., I set off 33° 10' on the lat. arc, 18° 39' S. on the decl. arc, and determine a meridian with the solar, at the 1/4 sec. cor. bet. secs. 9 and 16.

Thence I run

N. 0° 02' W. on a random line through the middle of sec. 9,

40.00 Set temp. center 1/4 sec. cor.

80.00 Intersect the 1/4 sec. cor. bet. secs. 4 and 9.

From the 1/4 sec. cor. bet. secs. 8 and 9, I run

East on a random line through the middle of sec. 9.

40.02 Falls 2 lks. S. of temp. center 1/4 sec. cor.

80.00 Falls 4 lks. S. of the 1/4 sec. cor. bet. secs. 9 and 10.

(Point for center 1/4 sec. cor. is therefore at temp. cor.)

Thence I run

S. 89° 58' W. on a true line through the middle of sec. 9.

Over rolling land, through greasewood brush.

18.00 Enter scattered timber, brs. N. and S.
Arroyo, 10 ft. deep, 50 lks. wide, course NE.

39.98 Set an iron post for the center 1/4 sec. cor. of sec. 9,
stamped in cap

C 1/4 S 9 in center
1912 in S., from which

A palo verde 12 ins. dia. brs. N. 47 1/2° E., 25 lks. dist.
Mkd. C 1/4 S 9 B T.

An ironwood 10 ins. dia. brs. S. 25 1/2° E., 155 lks. dist.
Mkd. C 1/4 S 9 B T.

A palo verde 16 ins. dia. brs. S. 32 1/2° W., 149 lks. dist.
Mkd. C 1/4 S 9 B T.

A palo verde 9 ins. dia. brs. S. 79 1/2° W., 142 lks. dist.
Mkd. C 1/4 S 9 B T.

Subdivision of T. 3 S., R. 2 E.

Chains

80.00 (40.02) The 1/4 sec. cor. bet. secs. 8 and 9.

Land, rolling. (Grazing).
Soil, 3rd rate.
Brush and timber, palo verde, ironwood, greasewood and
giant cactus.

Returning to the 1/4 sec. cor. bet. secs. 9 and 16,
thence I run

N. 0° 02' W. on a true line through the middle of sec. 9.

Over rolling land, through scattered palo verde and iron-
wood, and greasewood brush.

8.00 Arroyo, 10 ft. deep, 50 lks. wide, course NE.

11.00 Arroyo, 10 ft. deep, 50 lks. wide, course S. 80° E.

31.00 Wash, 50 lks. wide, course N. 70° E.

40.00 The center 1/4 sec. cor. of sec. 9.

49.00 Wash, 70 lks. wide, course N. 70° E.

61.00 Arroyo, 1.00 ch. wide, 20 ft. deep, course E.

74.00 Wash, 3.00 chs. wide, course N. 70° E.

80.00 The 1/4 sec. cor. bet. secs. 4 and 9.

Land, rolling. (Grazing).
Soil, 3rd rate.
Timber, scattered palo verde and ironwood.
Brush, greasewood.

Cloudy at Noon today; no observation for lat. Jan. 27, 1912.

Jan. 29, 1912. At 8.00 a.m., l.m.t., I set off 33° 11' on
the lat. arc, 18° 07' S. on the decl. arc, and deter-
mine a meridian with the solar, at the cor. of secs. 4,
5, 8 and 9.

Thence I run

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

40.00 Set temp. 1/4 sec. cor.

80.12 Intersect the cor. of secs. 4, 5, 32 and 33, on N. bdy.
of Tp., previously described.

Thence I run

S. 0° 02' E. on a true line bet. secs. 4 and 5.

Over rolling land, through scattered timber, greasewood
brush and cactus.

7.50 Arroyo, 15 ft. deep, 1.00 ch. wide, course S. 70° E.

17.00 Wash, 3.00 chs. wide, course E.

40.12 set an iron post for the 1/4 sec. cor. bet. secs. 4 and 5,
stamped in cap

Subdivision of T. 3 S., R. 2 E.

Chains

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

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

No suitable B.T.s available).

After diligent search no trace of the old 1/4 sec. cor. is found.

- 41.00 Arroyo, 20 ft. deep, 70 lks. wide, course S. 70° E.
- 43.00 Arroyo, 20 ft. deep, 70 lks. wide, course S. 70° E.
- 47.50 Arroyo, 20 ft. deep, 70 lks. wide, course E.
- 49.00 Arroyo, 20 ft. deep, 70 lks. wide, course E.
- 64.50 Arroyo, 25 ft. deep, 1.00 ch. wide, course N. 70° E.
- 75.50 Arroyo, 20 ft. deep, 50 lks. wide, course S. 80° E.
- 80.12 The cor. of secs. 4, 5, 8 and 9.

Land, rolling. (Grazing).
Soil, 3rd rate.
Timber, scattered ironwood and palo verde.
Brush, greasewood and giant cactus.

From the 1/4 sec. cor. bet. secs. 4 and 9, I run
N. 0° 02' W. on a random line through the middle of sec. 4.

- 40.00 Set temp. center 1/4 sec. cor.
- 80.04 Intersect the 1/4 sec. cor. bet. secs. 4 and 33, on N. bdy. of Tp., previously described.

From the 1/4 sec. cor. bet. secs. 4 and 5, I run
East on a random line through the middle of sec. 4.

- 40.00 Falls 2 lks. N. of temp. center 1/4 sec. cor.
- 79.98 Falls 4 lks. S. of the 1/4 sec. cor. bet. secs. 3 and 4.
(Point for center 1/4 sec. cor. is therefore N. 0° 01' W., 4 lks. from the temp. cor.).

Thence I run
S. 89° 58' W. on a true line through the middle of sec. 4.
Over level land, through greasewood and sage brush.

- 8.07 Road, brs. N. 25° W. and S. 25° E.
- 10.00 Leave level land. Enter rolling, rocky land, brs. N. and S.
- 38.00 Wash, 30 lks. wide, course NE.
- 39.98 Set an iron post for the center 1/4 sec. cor. of sec. 4, stamped in cap

Subdivision of T. 3 S., R. 2 E.

Chains

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

50.00 Enter scattered palo verde and ironwood, brs. NW. and SE.

79.98 (40.00) The $\frac{1}{4}$ sec. cor. bet. secs. 4 and 5.

Land, level, 10.00 chs.; rolling, 70.00 chs. (Grazing).
Soil, gravelly and rocky, 3rd rate.
Timber, scattered palo verde and ironwood, 30.00 chs.
Brush, greasewood.

Returning to the $\frac{1}{4}$ 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 scattered palo verde and ironwood.

32.00 Leave scattered palo verde and ironwood, brs. NW. and SE.

39.00 Wash, 30 lks. wide, course NE.

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

78.00 Leave rolling land, brs. NW. and SE. Enter level land.

80.08 (40.04) The $\frac{1}{4}$ sec. cor. bet. secs. 4 and 33, on N. bdy.
of Tp., previously described.

Land, rolling.
Soil, 3rd rate.
Timber, scattered palo verde and ironwood.
Brush, greasewood and giant cactus.

Jan. 29, 1912.

Jan. 30, 1912. At 8.00 a.m., l.m.t., I set off 33° 07'
on the lat. arc, 17° 51' S. on the decl. arc, and deter-
mine a meridian with the solar, at the cor. of secs. 5,
6, 31 and 32, on S. bdy. of Tp., previously described.

Thence I run

N. 0° 03' W. bet. secs. 31 and 32.

Over rocky butte, ascending.

6.00 Top of ascent, brs. E. and W. Begin descent.

20.00 Foot of descent, brs. E. and W.
Thence over rolling land, through ironwood and palo verde
timber, greasewood brush and giant cactus.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 31 and 32,
stamped in cap

$\frac{1}{4}$ S 31 in W. half
S 32 in E. half
1912 in S.

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

FOOT

Subdivision of T. 3 S., R. 2 E.

Chains

54.00 Leave timber, brs. E. and W.
Begin ascent of Estrella Mountains bearing E. and W.,
(rocky).

70.00 Middle of ridge, brs. N. and S. Continue ascent.

80.00 Set an iron post for the cor. of secs. 29, 30, 31 and 32,
stamped in cap

T 3 S S 29 in NE. quadrant
R 2 E S 32 in SE. quadrant
S 31 in SW. quadrant
S 30 in NW. quadrant
1912 in S.
1 notch on S. and 5 notches on E. edge

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

Land, rolling and mountainous. (Grazing, 50.00 chs.;
barren, 30.00 chs.).
Soil, 4th rate.

Jan. 30, 1912. At this cor., I set off 17° 51' S. on the
decl. arc, and at 12h 13m 19s p.m., l.m.t., observe the
sun on the meridian; the resulting lat. is 33° 08',
which is within one minute of the proper lat.

East on a random line bet. secs. 29 and 32.

40.00 Set temp. ¼ sec. cor.

80.08 Falls 23 lks. S. of the cor. of secs. 28, 29, 32 and 33.
Thence I run
S. 89° 50' W. on a true line bet. secs. 29 and 32.
Over rough, mountainous land, along S. slope of mountain,
descending.

10.00 Foot of descent. Draw, drains S. Begin ascent.

31.00 Top of ascent. Ridge, brs. N. and S. Begin descent.
Along S. slope of mountain.

40.04 True point for ¼ sec. cor. falls on rock on side of steep
mountain; impracticable to set post; therefore at

44.00 Set an iron post for W.C. to the ¼ sec. cor. bet. secs.
29 and 32, stamped in cap

¼ S 29 in N. half
S 32 W C 1912 in S. half

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

80.08 The cor. of secs. 29, 30, 31 and 32.
Land, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Jan. 30, 1912.

Subdivision of T. 3 S., R. 2 E.

Chains

Feb. 5, 1912. At the cor. of secs. 29, 30, 31 and 32, I set off 16° 08' S. on the decl. arc, and at 12h 14m 7s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 08', which is within one minute of the correct lat.

West on a random line bet. secs. 30 and 31.

40.00 Set temp. 1/4 sec. cor.

79.40 Falls 30 lks. N. of the cor. of secs. 25, 30, 31 and 36, on W. bdy. of Tp., previously described.

Thence I run

N. 89° 47' E. on a true line bet. secs. 30 and 31.

Over rolling land, through scattered timber, ascending.

24.00 Arroyo, 15 ft. deep, course S. Begin ascent.

39.40 Set an iron post for 1/4 sec. cor. bet. secs. 30 and 31, stamped in cap

1/4 S 30 in N. half
S 31 1912 in S. half, from which

A palo verde 7 ins. dia. brs. S. 60° E., 111 lks. dist.
Mkd. 1/4 S 31 B T.

A palo verde 6 ins. dia. brs. N. 60° W., 18 lks. dist.
Mkd. 1/4 S 30 B T.

50.00 Top of ascent. Ridge, brs. N. and S. Begin descent.

54.00 Foot of descent. Drain, course S. Begin ascent.

57.00 Top of ascent. Ridge, brs. N. and S. Begin descent.

60.00 Foot of descent. Drain, course S. Begin ascent.

64.00 Top of ascent. Ridge, brs. N. and S. Begin descent.

70.00 Foot of descent. Wash, 100 lks. wide, in head of canyon, course S.

Begin steep ascent. Leave timber, brs. N. and S.

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

79.40 The cor. of secs. 29, 30, 31 and 32.

Land, rough and rolling. (Grazing, 70.00 chs.; barren, 10.00 chs.)

Soil, 3rd and 4th rate.

Timber, scattered palo verde and ironwood.

Brush, greasewood and giant cactus, 70.00 chs.

Feb. 5, 1912

Jan. 31, 1912. At 8.00 a.m., l.m.t., I set off 33° 08' on the lat. arc, 17° 35' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 29, 30, 31 and 32.

Thence I run

N. 0° 03' W. bet. secs. 29 and 30.

Over rough, mountainous land, ascending steep mountain.

40.00 True point for 1/4 sec. cor. falls on solid rock, on steep

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B.C. 1912

Subdivision of T. 3 S., R. 2 E.

Chains

mountain; impracticable to set iron post at this point, therefore at

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

$\frac{1}{4}$ S 30 in W. half
S 29 in E. half
W C 1912 in S.

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

67.00 Top of ascent; (rise of about 1500 ft. from beginning of mile); begin descent on NE. slope of mountain.

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

T 3 S S 20 in NE. quadrant
R 2 E S 29 in SE. quadrant
S 30 in SW. quadrant
S 19 in NW. quadrant

1912 in S.

2 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, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Jan. 31, 1912. At this cor., I set off $17^{\circ} 34'$ S. on the decl. arc, and at 12h 13m 29s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ} 08'$, which is within one minute of the proper lat.

N. $89^{\circ} 50'$ E. on a random line bet. secs. 20 and 29.

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

80.14 Falls 12 lks. S. of the cor. of secs. 20, 21, 28 and 29.

Thence I run

S. $89^{\circ} 45'$ W. on a true line bet. secs. 20 and 29.

Over rocky, mountainous land, ascending.

13.00 Top of ascent, brs. N. and S. Begin descent into basin.

20.00 Foot of descent, brs. N. 10° W. and S. 10° E.
Thence over rough, rocky land, along N. slope of mountain.

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

$\frac{1}{4}$ S 20 in N. half
S 29 1912 in S. half

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

65.00 Begin steep ascent of ridge, brs. NW. and SE.

80.14 The cor. of secs. 19, 20, 29 and 30.

Land, mountainous. (Barren).

Subdivision of T. 3 S., R. 2 E.

Chains

Soil, rocky.

Jan. 31, 1912.

Feb. 6, 1912. At 8.00 a.m., l.m.t., I set off 33° 08' on the lat. arc, 15° 52' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 19, 20, 29 and 30.

Thence I run

S. 89° 47' W. on a random line bet. secs. 19 and 30.

40.00 Set temp. 1/4 sec. cor.

79.43 Falls 30 lks. S. of the cor. of secs. 19, 24, 25 and 30, on W. bdy. of Tp.

Thence I run

East on a true line bet. secs. 19 and 30.

Over steep, rocky mountain, ascending.

19.00 Begin descent into gulch, course S. 70° W.

22.00 Bottom of gulch, course S. 70° W. Begin ascent.

39.43 Set an iron post for the 1/4 sec. cor. bet. secs. 19 and 30, stamped in cap

1/4 S 19 in N. half
S 30 1912 in S. half

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

62.00 Head of canyon, 150 ft. deep, course N. 20° W.

70.00 Head of canyon, 50 ft. deep, course N.

74.00 Top of ascent. N. end of high ridge, brs. N. and S. Begin descent into basin.

79.43 The cor. of secs. 19, 20, 29 and 30.

Land, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Feb. 6, 1912.

Feb. 1, 1912. At 8.00 a.m., l.m.t., I set off 33° 08' on the lat. arc, 17° 19' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 19, 20, 29 and 30.

Thence I run

N. 0° 03' W. bet. secs. 19 and 20.

Over rocky mountainous land, descending into basin.

12.00 Foot of descent, brs. NE. and SW. Begin ascent.

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

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 19 and 20, stamped in cap

Subdivision of T. 3 S., R. 2 E.

Chains

1/4 S 19 in W. half
S 20 in E. half
1912 in S.

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

42.00 Foot of descent. Begin ascent on W. side of hill.

66.00 Drain, course NW.

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

T 3 S S 17 in NE. quadrant
R 2 E S 20 in SE. quadrant
S 19 in SW. quadrant
S 18 in NW. quadrant
1912 in S.

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

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

Land, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Feb. 1, 1912. At the cor. of secs. 17, 18, 19 and 20, I set off 17° 18' S. on the decl. arc, and at 12h 13m 38s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 09', which is within one minute of the proper lat.

Thence

N. 89° 45' E. on a random line bet. secs. 17 and 20.

40.00 Set temp. 1/4 sec. cor.

80.04 Falls 35 lks. N. of the cor. of secs. 16, 17, 20 and 21,

Thence I run

West on a true line bet. secs. 17 and 20.

Over rough, mountainous land, ascending.

40.02 Set an iron post for 1/4 sec. cor. bet. secs. 17 and 20, stamped in cap

1/4 S 17 in N. half
S 20 1912 in S. half

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

44.00 Top of ascent; begin descent of S. slope.

65.00 Drain, course S. Begin ascent, brs. NE. and SW.

73.00 Top of ascent, brs. NE. and SW.

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

Land, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Feb. 1, 1912.

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BOL

Subdivision of T. 3 S., R. 2 E.

Chains

Feb. 6, 1912. At the cor. of secs. 17, 18, 19 and 20, I set off $15^{\circ} 50'$ S. on the decl. arc, and at 12h 14m 12s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ} 09'$, which is within one minute of the proper lat.

Thence I run

West on a random line bet. secs. 18 and 19.

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

79.00 Falls 17 lks. S. of the cor. of secs. 13, 18, 19 and 24, on W. bdy. of Tp., previously described.

Thence I run

S. $89^{\circ} 53'$ E. on a true line bet. secs. 18 and 19.

Over rough, rocky, mountainous land, ascending S. slope of mountain.

The true point for the $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19 falls on rock in drain, where it is impracticable to set the post, therefore at

20.48 Set an iron post for W.C. to the $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19, stamped in cap

$\frac{1}{4}$ S 18 in N. half
S 19 W C 1912 in S. half

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

39.00 True point for $\frac{1}{4}$ sec. cor. in drain, course SW.

Impractical to set cor.

Thence ascend W. slope of mountain, brs. NW. and SE.

70.00 Top of mountain, brs. N. and S. Begin descent on E. side of ridge, brs. N. and S.

75.00 Foot of descent. Drain, course NW. Begin ascent of ridge, brs. N. and S.

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

Land, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Feb. 6, 1912.

Feb. 2, 1912. At 8.00 a.m., l.m.t., I set off $33^{\circ} 09'$ on the lat. arc, $17^{\circ} 02'$ S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 17, 18, 19 and 20.

Thence I run

N. $0^{\circ} 03'$ W. bet. secs. 17 and 18.

Over rocky, mountainous land, along W. slope, descending.

30.00 Foot of descent. Head of draw, course W. Begin ascent.

40.00 Top of rocky ridge, brs. NW. and SE.

True point for $\frac{1}{4}$ sec. cor.; impracticable to set iron post on account of rocks.

Begin steep descent.

Subdivision of T. 3 S., R. 2 E.

Chains

52.50 Set an iron post for W.C. to 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
W C 1912 in S.

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

60.00 Foot of descent. Head of draw, course NE. Thence along E. slope of mountain.

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

T 3 S S 8 in NE. quadrant
R 2 E S 17 in SE. quadrant
S 18 in SW. quadrant
S 7 in NW. quadrant
1912 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, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Feb. 2, 1912. At the cor. of secs. 7, 8, 17 and 18, I set off $17^{\circ} 01'$ S. on the decl. arc, and at 12h 13m 46s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ} 10'$, which is within one minute of the proper lat.

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

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

80.00 Intersect the point for the cor. of secs. 8, 9, 16 and 17.

Thence I run

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

Over rocky, mountainous land, ascending abruptly.

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

$\frac{1}{4}$ S 8 in N. half
S 17 1912 in S. half

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

42.00 Enter canyon, 2.00 chs. wide, course NE.

63.00 Top of ascent, brs. N. and S. Begin descent, into

67.00 Canyon, 2.00 chs. wide, brs. N. and S. Begin ascent.

76.00 Begin descent into canyon, 3.00 chs. wide.

79.00 Begin ascent.

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

Land, rocky and mountainous. (Barren).
Soil, 4th rate.

Feb. 2, 1912.

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Subdivision of T. 3 E., R. 2 E.

Chains

Feb. 7, 1912. At 8.00 a.m., l.m.t., I set off 33° 10' on the lat. arc, 15° 33' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 7, 8, 17 and 18.

Thence I run

N. 89° 53' W. on a random line bet. secs. 7 and 18.

40.00 Set temp. 1/4 sec. cor.

78.90 Falls 25 lks. N. of the cor. of secs. 7, 12, 13 and 18, on W. bdy. of Tp., previously described.

Thence I run

N. 89° 56' E. on a true line bet. secs. 7 and 18.

Over rough, rocky land, ascending NW. slope of mountain.

16.00 Top of ridge, brs. NE. and SW. Begin descent along SE. slope.

25.00 Foot of descent. Drain, course SE. Thence along SE. slope.

38.90 True point for 1/4 sec. cor. falls on slide rock; impracticable to set iron post.

40.00 Drain, course S. Begin descent of ridge, brs. N. and S.

56.70 Set an iron post for W.C. to the 1/4 sec. cor. bet. secs. 7 and 18, stamped in cap

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

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

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

Land, rocky and mountainous. (Barren).
Soil, rocky, 4th rate.

Feb. 7, 1912.

Feb. 3, 1912. At 8.00 a.m., l.m.t., I set off 33° 10' on the lat. arc, 16° 45' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 7, 8, 17 and 18.

Thence I run

N. 0° 03' W. bet. secs. 7 and 8.

Over rocky, mountainous land, descending N. slope of mountain.

10.00 Foot of descent. Drain, course NE. Begin ascent, brs. E. and W.

40.00 True point for 1/4 sec. cor. falls on rock; impossible to set post; therefore at

49.35 Set an iron post for W.C. to the 1/4 sec. cor. bet. secs. 7 and 8, stamped in cap

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

BOOK 100

Subdivision of T. 3 S., R. 2 E.

Chains

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

49.50 Top of ascent. Ridge, brs. NW. and SE. Begin descent along E. side of mountain.

76.00 Foot of descent. Drain, course E. Begin ascent.

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

T 3 S S 5 in NE. quadrant
R 2 E S 8 in SE. quadrant
S 7 in SW. quadrant
S 6 in NW. quadrant
1912 in S.
5 notches on S. and E. edge

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

Land, mountainous (barren).
Soil, rocky, 4th rate.

Feb. 3, 1912. At this cor., I set off 16° 43' S. on the decl. arc, and at 12h 13m 54s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 11', w which is within one minute of the proper lat.

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

40.00 Set temp. ¼ sec. cor.

80.00 Intersect the cor. of secs. 4, 5, 8 and 9.

Thence I run

West on a true line bet. secs. 5 and 8.

Over rough, rolling land, through scattered timber.

39.00 Head of arroyo, 10 ft. deep, 30 lks. wide, course N.60°E.

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

¼ S 5 in N. half
S 8 1912 in S. half

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

No suitable B.T.s available.

(After diligent search, no trace of the old ¼ sec. cor. is found).

50.00 Arroyo, 50 lks. wide, 10 ft. deep, course N. 70° E.

60.00 Begin abrupt ascent of Estrella Mountain, brs. N. and S. Leave timber.

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

Land, rough and rolling, 70.00 chs.; steep mountain, 10.00 chs. (Grazing, 70.00 chs.; barren, 10.00 chs.)
Soil, rocky, 3rd and 4th rate.
Timber, scattered ironwood and palo verde.

Subdivision of T. 3 S., R. 2 E.

Chains

Feb. 7, 1912. At the cor. of secs. 5, 6, 7 and 8, I set off 15° 31' S. on the decl. arc, and at 12h 14m 16s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 11', which is within one minute of the proper lat.

Thence I run

S. 89° 56' W. on a random line bet. secs. 6 and 7.

40.00 Set temp. 1/4 sec. cor.

78.75 Falls 18 lks. S. of the cor. of secs. 1, 6, 7 and 12, on W. bdy. of Tp., previously described.

Thence I run

S. 89° 56' E. on a true line bet. secs. 6 and 7.

Over rocky, mountainous land, along NE. slope of mountain, descending.

38.75 True point for 1/4 sec. cor. falls on slide rock; impossible to set iron post;

39.00 Drain, course NW.

54.28 Set an iron post for W.C. to the 1/4 sec. cor. bet. secs. 6 and 7, stamped in cap

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

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

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

Land, rough and mountainous. (Barren).
Soil, 4th rate.

Feb. 7, 1912.

Feb. 5, 1912. At 8.00 a.m., l.m.t., I set off 33° 11' on the lat. arc, 16° 10' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 5, 6, 7 and 8.

Thence I run

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

40.00 Set temp. 1/4 sec. cor.

80.10 Falls 3 lks. E. of the cor. of secs. 5, 6, 31 and 32, on N. bdy. of Tp., previously described.

Thence I run

S. 0° 04' E. on a true line bet. secs. 4 and 5.

Over rough, mountainous land, ascending along E. side of mountain, through timber.

5.00 Drain, course NE.

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

Subdivision of T. 3 S., R. 2 E.

Chains

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

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

30.00 Leave timber brs. E. and W.

40.00 Drain, course NW.

40.10 True point for 1/4 sec. cor. falls on sliding boulders; impracticable to set iron post.

Begin steep ascent, brs. NE. and SW.

60.00 Top of ascent; thence along E. slope.

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

Land, rough and mountainous. (Barren).
Soil, rocky.

Feb. 5, 1912.



Subdivision of T. 3 S., R. 2 E.

Chains

GENERAL DESCRIPTION.

This township contains four varieties of land, - rocky mountainous land, rocky gravelly land along the foot hills, salt marsh along part of the Santa Cruz Wash, and sandy land, containing more or less alkali.

The soil of the east half of the township, excepting along the Santa Cruz Wash, is good and will produce most any kind of crop with irrigation. West of the Santa Cruz Wash, the land rises gently to the foot of the Estrella Mountains, and is covered with small float rock and gravel from the mountains.

The Estrella Mountains are very steep and rocky, running from sec. 34 to sec. 5 in a northwesterly direction, and attain an altitude of 4000 ft. They are barren and dry.

The Santa Cruz Wash enters the township in sec. 24 and leaves it in sec. 4. In places there is running water which sinks and reappears over an area from $\frac{1}{4}$ to 1 mile wide. The channel is not well defined.

In secs. 11, 14 and 22 there is a salt marsh, which is covered with salt grass.

There are patches of mesquite trees and brush along the Santa Cruz Wash, but most of the larger trees have been cut for wood.

Palo verde and ironwood trees are found on the rocky land along the foot of the mountains.

None of the land in this township is cultivated. Water for domestic use is plentiful along the Santa Cruz.

R. A. F A R M E R

Topographer.

List of Assistants:

- A. J. Daves, Chainman
- Allen Harding, Chainman
- John A. Woods, Flagman
- G. A. Patterson, Moundsman
- Tim O. Connor, Axeman
- Fred'k C. Miller, Axeman
- Lee C. Daves, Instrumentman

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

I hereby certify that the survey of subdivision lines in T. 3 S., R. 2 E., within the Gila River Indian Reservation, Arizona, was made under my direction and supervision and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated Oct. 11, 1910, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Drumwright

Topographer in Charge of
Indian Surveys.

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JOK 3481

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 R. A. Farmer, Topographer, see Book "B"
(township exteriors and reservation boundary)**

_____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

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



APPROVAL.

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

Washington, D.C. July 29, 1910

The foregoing field notes of the survey of subdivision lines in T. 3 S., R. 2 E.,
within the Gila River Indian Reservation, Arizona,

executed by Robert A. Farmer, Topographer, 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
U. S. Surveyor General,
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