

BOOK 2397

MAY 13 1913

FIELD NOTES

OF THE SURVEY OF THE

Subdivision and Meanders of

T. 4 N., R. 7 E.,

SALT RIVER INDIAN RESERVATION,

Of the Gila and Salt River Principal Meridian,

In the State of Arizona,

EXECUTED BY

Robert A. Farmer,

Topographer,

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

issued by the United States Surveyor General to govern surveys included in

Group No. _____, which were approved by the Commissioner of the General Land
to A. F. Dunnington, Topographer in Charge.

Office, _____, 1911, pursuant to authority contained in the Act of

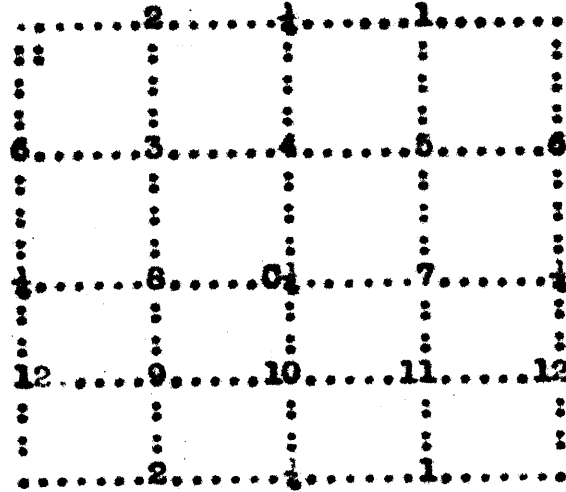
Congress dated _____, 1911.

Survey commenced March 1, 1911.

Survey completed March 20, 1911.

BOOK 2397

Diagram of a section, illustrating the numbering system of the 1/16 section corners.



Chains

March 1, 1911, survey commenced by Robert A. Farmer, Topographer and U. S. Surveyor, and executed with Young & Sons transit No. 8248, with solar attachment. The horizontal limb is provided with 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.

Instrument tested and found to be correct on meridian established at camp in sec. 6, T.3 N., R. 7 E.; for notes of meridian, see Book "A" - Exterior Lines. - The SW.cor. of this tp. is in Lat. $33^{\circ}38'21''$ N., Long. $111^{\circ}40'55''$ W.

The iron posts used in this survey are 3 ft. long, 1 inch in diam. (unless otherwise described), and are set 26 ins. in the ground. The posts are filled with cement, pointed and driven. Posts which are 3 ins. in diam. are flanged and spread at the bottom ends.

March 1, 1911, at 8h., a.m., l.m.t., I set off $33^{\circ}38'$ N. on the latitude arc, $7^{\circ}47'$ S. on the declination arc, and determine a meridian with the solar at the point S.W. cor. of secs. 5, 6, 31 and 32, on the S. bdy. of T. 4 N., R. 7 E., on sand bar in Verde River, at which point temp. cor. was set, as previously described.

Thence I run

N. $0^{\circ}1'$ E. bet. secs. 31 and 32,

Over sand bar.

-20.00 Set temp. $1/16$ sec. cor. No. 12, on sand bar.

24.00 Left bank of Verde River, 8 ft. high, brs. NW. and SE.

Set an iron post for M. C. of secs. 31 and 32, with brass cap stamped

M C 1911 in S.
T 4 N S 32 in NE. quadrant
R 7 E S 31 " NW. "
5 notches on the East edge.

From which -

Cottonwood, 14 ins. in diam., brs. N. $51\frac{1}{2}^{\circ}$ E., 44
lks. dist., mkd. T 4 N R 7 E S 32 M C B T
Mesquite, 10 ins. in diam., brs. N. $21\frac{1}{2}^{\circ}$ W., 75 lks.
dist., mkd. T 4 N R 7 E S 31 M C B T

After diligent search, find no trace of old cor.

Subdivision T. 4 N., R. 7 E.

Chains

Thence through thick mesquite and cottonwood timber.

40.00 get an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 31 and 32,
with brass cap stamped

$\frac{1}{4}$ S 31 in W.
S 32 " E.
1911 " S.

From which -

Mesquite, 8 ins. in diam., brs. S. $72^{\circ} 55'$ E., 11
lks. dist., mkd. $\frac{1}{4}$ S 32 B T
Mesquite, 10 ins. in diam., brs. N. $77^{\circ} 10'$ W., 66
lks. dist., mkd. $\frac{1}{4}$ S 31 B T

After diligent search, find no trace of old cor.

52.00 Dry wash, 50 lks. wide, course SW.

60.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 31
and 32, with brass cap stamped

No 6 in N.
 $\frac{1}{16}$ S 31 in W.
S 32 " E.
1911 " S.

From which -

Mesquite, 12 ins. in diam., brs. S. $83^{\circ} 30'$ E., 193
lks. dist., mkd. $\frac{1}{16}$ S 32 B T
Mesquite, 10 ins. in diam., brs. S. $84^{\circ} 20'$ W., 62
lks. dist., mkd. $\frac{1}{16}$ S 31 B T

80.00 get an iron post for cor. of secs. 29, 30, 31 and 32,
with brass cap stamped

T 4 N S 29 in NE. quadrant
R 7 E S 32 " SE. "
S 31 " SW. "
S 30 " NW. "
1911 " S.

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

From which, mesquite, 8 ins. in diam., brs. N. $57^{\circ} 40'$ E.,
6 lks. dist., mkd. T 4 N R 7 E S 29 B T
Mesquite, 18 ins. in diam., brs. S. $59^{\circ} 15'$ E., 80
lks. dist., mkd. T 4 N R 7 E S 32 B T
Mesquite, 10 ins. in diam., brs. S. 39° W., 31 lks.
dist., mkd. T 4 N R 7 E S 31 B T
Mesquite, 6 ins. in diam., brs. N. $71^{\circ} 30'$ W., 55
lks. dist., mkd. T 4 N R 7 E S 30 B T

After diligent search, find no trace of old cor.

Land, level river bottom.

Soil, 1st and 2nd rate.

Timber and underbrush, mesquite and cottonwood.

West on a random line bet. secs. 30 and 31.

20.00 get temp. $\frac{1}{16}$ sec. cor. No. 1.

Subdivision T. 4 N., R. 7 E.

Chains

- 40.00 set temp. $\frac{1}{4}$ sec. cor.
- 60.00 Set temp. $\frac{1}{16}$ sec. cor. No. 2.
- 80.00 Intersect cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the tp., previously described.
- Thence I run
- East on a true line bet. secs. 30 and 31, descending over smooth land through brush.
- 20.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 2 bet. secs. 30 and 31, $W\frac{1}{2}$, with brass cap stamped
- No 2 $\frac{1}{16}$ S 30 in N.
S 31 1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 20.30 Abandoned irrigation ditch, 8 lks. wide, course S. 15° W.
- 25.05 Road brs. N. and S.
- Leave brush; enter timber brs. N. and S. on E. of road.
- 28.40 Dry wash, 6 lks. wide, course SE.
- 32.00 Wire fence brs. N. 70° W. and S. 70° E.
- Leave timber; enter old field.
- 33.30 Fence, brs. N. 15° E. and S. 15° W.
- Leave old field; enter timber.
- 33.50 Irrigation ditch, 12 lks. wide, course S. 20° W.
- 35.80 Right bank of Verde River, 12 ft. high, course S. 20° W.
- Set an iron post for M. C. of secs. 30 and 31, with brass cap stamped
- M C in E.
1911 in S.
T 4 N S 31 in SW. quadrant
R 7 E S 30 " NW. "
I notch on the S.
- Dig a pit 36x36x12 ins. 8 ft. W. of post and raise mound of earth 4 ft. base, 2 ft. high, W. of cor.
- No B.T.'s available.
- from this cor., the old M. C., a granite stone 8x6x4 ins. brs. S. 26° $45'$ W., 3.97 chs. dist., mkd. M C I destroy all trace of this old cor.
- 36.00 Foot of 12 ft. bank. Enter shallow channel of Verde River, course S. $20'$ W., 1 to 2 ft. deep.
- 40.00 Point for $\frac{1}{4}$ sec. cor. bet. secs. 30 and 31 falls in river.

Subdivision T. 4 N., R. 7 E.

Chains

60.00 Point for 1/16 sec. cor. No. 1 bet. secs. 30 and 31, $S\frac{1}{2}$, falls in river.

62.00 Leave channel of Verde River, course SW.
Thence over sand bar.

63.30 Left bank of Verde River, 6 ft. high, course S.

Set an iron post for M. C. of secs. 30 and 31, with brass cap stamped

M C in W.
1911 in S.
T 4 N S 30 in NE. quadrant
R 7 E S 31 " SE. "
1 notch on the S.

From which -

Cottonwood, 24 ins. in diam., brs. N. $87^{\circ} 35'$ E., 116 lks. dist., mkd. T 8 N R 7 E S 30 M C B T
Cottonwood, 20 ins. in diam., brs. S. $31^{\circ} 30'$ E., 100 lks. dist., mkd. T 4 N R 7 E S 31 M C B T

After diligent search, find no trace of old cor.

Enter cottonwood timber, brs. N. and S. along River bank.

68.00 Leave cottonwood timber; enter dense mesquite thicket,
brs. N. 20' E. and S. 20' W.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, smooth and sloping to Verde River, 35.80 chs. River channel and sand bar, 27.50 chs. River bottom, 18.70 chs.

Soil, mostly 2nd rate.

Cottonwood and mesquite timber, 16.70 chs.

Brush, greasewood and mesquite.

March 1, 1911, at this cor., I set off $7^{\circ} 46'$ S. on the declination arc, and at 12h. 13m., p.m., l.m.t., observe the sun on the meridian; the resulting latitude is $33^{\circ} 39'$ N., which is within 1' of the correct latitude.

From the temp. 1/16 sec. cor. No. 12 bet. secs. 31 and 32, $S\frac{1}{2}$, on sand bar in the Verde River, I run,

West on a random line through S. $\frac{1}{4}$ of sec. 31.

20.00 Set temp. 1/16 sec. cor. No. 11.

40.00 Set temp. 1/16 sec. cor. No. 10.

60.00 Set temp. 1/16 sec. cor. No. 9.

80.00 Intersect 1/16 sec. cor. No. 12 bet. secs. 31 and 36, $S\frac{1}{2}$, on the W. bdy of the tp., previously described.

Chains

Thence I run

East on a true line through S. $\frac{1}{4}$ of sec. 31

Descending over smooth land,

Through greasewood brush.

7.00 Dry wash, 15 lks. wide, course SE.

12.00 Foot of descent; enter river bottom, brs. N. and S.

17.80 Abandoned ditch, 12 lks. wide, course S.

18.70 Road brs. N. and S.

20.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 9 in the center of the SW. $\frac{1}{4}$ of sec. 31, with brass cap stamped

No 9 in N.
 $\frac{1}{16}$ S 31 in center
1911 in S.

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

24.50 Wire fence brs. N. 12° W. and S. 12° E.

Leave brush.

Enter open river bottom, brs. N. and S.

26.50 Frame house, 25x50 ft., brs. North, 150 lks. dist.

27.50 Irrigation ditch, 20 lks. wide, course S. 30° W.

29.80 Wire fence brs. N. 20° W. and S. 20° E.

35.30 Wire fence brs. N. and S.

36.70 Wire fence brs. N. 10° E. and S. 10° W.

38.50 Right bank of Verde River, 14 ft. high, course SE.

Set an iron post for M. C. of sec. 31, with brass cap stamped

M C in E.
1911 in S.
 $\frac{1}{16}$ S 31 in W.

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

Thence over sand bar.

40.00 The temp. $\frac{1}{16}$ sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 31, on sand bar.

42.00 Enter channel of Verde River, course S.

56.00 Leave channel, course S.

Subdivision T. 4 N., R. 7 E.

Chains

Thence over sand bar.

60.00 The temp. 1/16 sec. cor. No. 11 in the center of the SE. 1/4 of sec. 31, on sand bar.

80.00 The temp. 1/16 sec. cor. No. 12 bet. secs. 31 and 32, S 1/2, on sand bar.

Land, smooth slope, 12.00 chs.
River bottom, 26.50 chs.

Soil, 1st rate.

Greasewood brush.

From the 1/4 sec. cor. bet. secs. 6 and 31, on the S. bdy. of the tp., previously described,

I run

North on a random line through the middle of the S. 1/2 of sec. 31.

20.00 Intersect temp. ~~XXXXX~~ 1/16 sec. cor. No. 10, bet. the SE. and SW. 1/4s of sec. 31, on sand bar.

Thence I run

South on a true line

Through middle of S 1/2 1/4 of sec. 31,

Over sand bar,

Iⁿ bed of verde River.

1.60 Right bank of Verde River, 8 ft. high.

Set an iron post for M. C. of sec. 31, with brass cap stamped

1/16 N 0 in N.

S 31 1911 in S.

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

Thence over river bottom,

Through greasewood and mesquite brush.

20.00 The 1/4 sec. cor. bet. secs. 6 and 31, on S. bdy. of tp., previously described.

Land, level, 15 chs. River bottom, 3.40 chs.

Subdivision T. 4 N., R. 7 E.

Chains

Soil, 1st rate.
Greasewood brush, and mesquite.

- March 2, 1911.

March 2, 1911, at 7h., a.m., l.m.t., I set off $35^{\circ} 38' N.$ on the latitude arc, $7^{\circ} 25' S.$ on the declination arc, and determine a meridian with the solar at the $\frac{1}{4}$ sec. cor. bet. secs. 31 and 32.

Thence I run

West on a random line through middle of sec. 31.

20.00 Set temp. $1/16$ sec. cor. No. 7.

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

60.00 Set temp. $1/16$ sec. cor. No. 8.

80.00 Intersect $\frac{1}{4}$ sec. cor. bet. secs. 31 and 36, on the W. bdy. of the tp., previously described.

Thence I run

East on a true line through middle of sec. 31, descending to river bottom.

6.50 Abandoned ditch, 15 lks. wide, course SW.

16.50 Road brs. NE. and SW.

18.30 Wire fence brs. N. $15^{\circ} W.$ and S. $15^{\circ} E.$

20.00 Set an iron post for $1/16$ sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{8}$ s of sec. 31, with brass cap stamped

No 8 in N.
 $1/16$ S 31 in center
1911 in S.

Dig pits $18 \times 18 \times 12$ ins. E. and W. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

21.50 Irrigation ditch, 16 lks. wide, course S.

Foot of descent; enter river bottom land, brs. N. and S., and dense mesquite thicket, same bearing.

25.00 Leave thicket, brs. N. and S. Enter old field.

30.80 Right bank of Verde River, 4 ft. high.

Set an iron post for M. C. of sec. 31, with brass cap stamped

M C in E.
1911 in S.
 $1/16$ S 31 in W.

Dig a pit $36 \times 36 \times 12$ ins. S ft. W. of post and raise mound of earth 4 ft. base, 2 ft. high, W. of cor.

Subdivision T. 4 N., R. 7 E.

| Chains | |
|--------|---|
| 31.00 | Foot of river bank; enter channel of Verde River, 3 ft. deep, course S. |
| 40.00 | Point for C. $\frac{1}{4}$ sec. cor. falls in river. |
| 60.00 | Point for $\frac{1}{16}$ sec. cor. No. 7 falls in river. |
| 65.00 | Leave channel, course S. 20° E. Thence over sand bar. |
| 66.50 | Left bank of Verde River, 4 ft. high, course S. 20° E. Set an iron post for M. C. of sec. 31, with brass cap stamped <p style="margin-left: 40px;">1/16 M C in W. 1911 in S. S 31 in E.</p> Dig a pit 36x36x12 ins. 8 ft. E. of post and raise mound of earth 4 ft. base, 2 ft. high, E. of cor. Thence over flat, open land. |
| 68.00 | Leave open land; enter dense mesquite thicket with scattered cottonwood timber, hrs. N. and S. |
| 72.00 | Dry wash, 28 lks. wide, course SW. |
| 80.00 | The $\frac{1}{4}$ sec. cor. bet. secs. 31 and 32. Land, mostly river bottom. Soil, 1st and 2nd rate. Timber, cottonwood. Dense mesquite underbrush. |
| ----- | |
| | from the $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 31 and 32, N $\frac{1}{2}$. I run West on a random line through N. $\frac{1}{4}$ of sec. 31. |
| 20.00 | Set temp. $\frac{1}{16}$ sec. cor. No. 5. |
| 40.00 | Set temp. $\frac{1}{16}$ sec. cor. No. 4. |
| 60.00 | set temp. $\frac{1}{16}$ sec. cor. No. 3. |
| 80.00 | Intersect $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 31 and 36, N $\frac{1}{2}$, on the W. bdy. of the tp., previously described. Thence I run East on a true line through N. $\frac{1}{4}$ of sec. 31, Descending over smooth land, through brush. |
| 15.00 | Abandoned irrigation lateral, 20 lks. wide, course SW. |
| 17.20 | Road hrs. NE. and SW. |
| 17.40 | Wire fence hrs. NE. and SW. Foot of descent. |

| Meters | |
|--------|--|
| | Enter level river bottom, brs. NE. and SW. |
| 18.00 | Dry wash, 30 lks. wide, course NE. |
| 20.00 | set an iron post for 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 31, with brass cap stamped No 3 in N. 1/16 S 31 in center 1911 in S. |
| | Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. |
| 24.90 | Wire fence brs. N. and S. |
| 26.00 | Frame house 25x40 ft. brs. N. 2.25 chs. dist. |
| 27.40 | irrigation ditch, 20 lks. wide, course S. 10° E. Leave brush; enter field, brs. N. and S. |
| 31.90 | Right bank of Verde River, 8 ft. high, course S. Set an iron post for M. C. of sec. 31, with brass cap stamped M C in E. 1911 in S. 1/16 S 31 in W. |
| | Dig pit 36x36x12 ins. 8 ft. W. of post and raise mound of earth 4 ft. base, 2 ft. high, W. of cor. |
| | Enter channel of river, 4 ft. deep, course S. |
| 37.90 | Leave channel of river; thence over sand bar. |
| 40.00 | Point for 1/16 sec. cor. No. 4 falls in river. |
| 60.00 | Point for 1/16 sec. cor. No. 5 falls in river. |
| 62.20 | Left bank of Verde River, 4 ft. high. set an iron post for M. C. of sec. 31, with brass cap stamped 1/16 M C in W. 1911 in S. S 31 in E. |
| | Dig a pit 36x36x12 ins. 8 ft. E. of post and raise mound of earth 4 ft. base, 2 ft. high, E. of cor. |
| | Thence over river bottom. |
| 66.00 | Enter dense mesquite thicket, along river bank. |
| 80.00 | The 1/16 sec. cor. No. 6 bet. secs. 31 and 32, N $\frac{1}{2}$. Land, mostly river bottom. Soil, 1st rate. Greasewood brush. Dense mesquite thicket. |

Chains

March 3, 1911, at 8h., a.m., l.m.t., I set off 33° 39' N. on the latitude arc, 7° 3' S. on the declination arc, and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32.

Thence I run

N. 0° 1' E. bet. secs. 29 and 30,

Over level river bottom,

Through timber and underbrush.

16.00 Leave timber and brush; enter open land, brs. E. and W.

20.00 Set an iron post for 1/16 sec. cor. No. 12 bet. secs. 29 and 30, S 1/2, with brass cap stamped

No 12 in N.
1/16 S 30 in W.
S 29 " N.
1911 " S.

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

No B.T.'s available.

23.00 Left bank of verde River, 15 ft. high, course S. 30' W.

Set an iron post for M. C. of secs. 29 and 30, with brass cap stamped

M C in N.
1911 in S.
T 4 N S 30 in SW. quadrant
R 7 N S 29 " SE. "
5 notches on the E. edge.

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

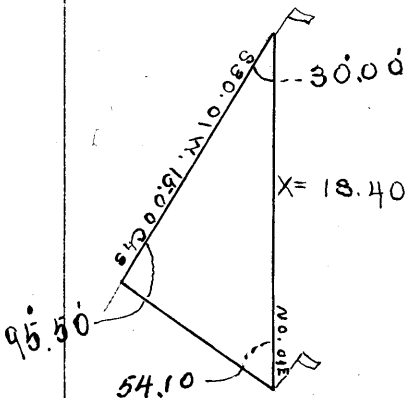
After diligent search, find no trace of old cor.

40.00 Point for 1/4 sec. cor. bet. secs. 29 and 30 falls in river.

To determine the distance across river, I set flag on line on sand bar on North side of channel of Verde River, and from this flag I measure a base S. 30° 1' W., 15.00 chs. to a point where the M. C. on left bank brs. S. 54° 9' E. By separate measurement of each angle, 30° 0',

95° 50', and 54° 10', respectively, their sum being 180° 0', which is correct. I compute the distance across river as follows:

$$\frac{\sin 95^{\circ} 50'}{\sin 54^{\circ} 10'} \times \text{base, or}$$



Chains

| | | |
|---------------------|----|-----------------|
| log.sin. 95° 50' | -- | 9.997745 |
| co-log.sin. 54° 10' | -- | 0.091127 |
| log. 15° 0' | -- | <u>1.176091</u> |
| | | 1.264963 |

equals 18.40 chs., which added to
23.00 chs. makes

- 41.40 Triangulation point on North side of river channel.
Thence over sand bar.
- 42.60 Right bank of Verde River, 6 ft. high, course SW.
Set an iron post for N. C. of secs. 29 and 30, with
brass cap stamped
- N C 1911 in S.
T 4 N S 29 in NE. quadrant
R 7 E S 30 " NW. "
5 notches on the E edge.
- Dig a pit 36x36x12 ins. 8 ft. N. of post and raise mound
of earth 8 ft. base, 2 ft. high, N. of cor.
- After diligent search, find no trace of old cor.
- Thence over river bottom.
- 44.90 fence brs. NE. and SW.
- 52.00 Enter cultivated field, brs. NE. and SW.
- 57.75 fence brs. NW. and SE.
- Leave field; enter brush, brs. NW. and SE.
- 60.00 Set an iron post for 1/16 sec. cor. No. 6 bet. secs. 29
and 30, with brass cap stamped
- No 6 in N.
1/16 S 30 in W.
S 29 " E.
1911 " S.
- Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.; and
raise mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.
- No B.T.'s available.
- 63.00 House brs. West, 120 lks. dist.
- 64.45 Irrigation ditch, 15 lks. wide, course S. 60° W.
- 72.00 Leave brush; enter timber, brs. E. and W.
- 74.00 Dry wash, 20 lks. wide, course SE.
- 80.00 Set an iron post for cor. of secs. 19, 20, 29 and 30,
with brass cap stamped

| | |
|------------|-----------------|
| T 4 N S 20 | in NE. quadrant |
| R 7 E S 29 | " SE. " |
| S 30 | " SW. " |
| S 19 | " NW. " |
| 1911 | " S. |

Chains

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

From which -

Mesquite, 8 ins. in diam., brs. N. 79° 20' E., 352
 lks. dist., mtd. T 4 N R 7 E S 29 B T
 Mesquite, 6 ins. in diam., brs. S. 61° 55' E., 62
 lks. dist., mtd. T 4 N R 7 E S 29 B T
 Mesquite, 10 ins. in diam., brs. S. 67° 15' W., 176
 lks. dist., mtd. T 4 N R 7 E S 30 B T
 Mesquite, 7 ins. in diam., brs. N. 84° 50' W., 179
 lks. dist., mtd. T 4 N R 7 E S 19 B T

After diligent search, find no trace of old cor.

Land, river bottom, 60.40 chs. River bed and channel,
19.60 chs.

Soil, 1st rate.

Timber, mesquite, with thick mesquite underbrush.

March 3, 1911, at the cor. of secs. 19, 20, 29 and 30, I
 set off 7° 0' S. on the declination arc, and at 12h. 12m.
 15s., p.m., l.m.t., observe the sun off the meridian; the
 resulting latitude is 33° 40' N., which is within 1' of
 the correct latitude.

Thence I run

West on a random line bet. secs. 19 and 30.

20.00 Set temp. 1/16 sec. cor. No. 1.

40.00 Set temp. 1/4 sec. cor.

60.00 Set temp. 1/16 sec. cor. No. 2.

80.00 Fall 6 lks. N. of cor. of secs. 19, 24, 25 and 30, on the
 W. bdy. of the tp., previously described.

Thence I run

N. 89° 57' E. on a true line bet. secs. 19 and 30,

Descending over smooth land, through brush.

0.10 Draw, 15 lks. wide, drains SE.

12.00 Dry wash, 20 lks. wide, course SE.

20.00 Set an iron post for 1/16 sec. cor. No. 2 bet. secs. 19
 and 30, W $\frac{1}{2}$, with brass cap stamped

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

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

No B.T.'s available.

Chains

30.00 Dry wash 18 lks. wide, course S. 80° E.

39.70 Draw, 50 lks. wide, course S. 80° E.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 19 and 30,
with brass cap stamped
 $\frac{1}{4}$ S 19 in N.
S 30 1911 in S.

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

No B.T.'s available.

After diligent search, find no trace of old cor.

48.00 Foot of descent; enter river bottom, brs. N. and S.

48.80 Road brs. N. and S.

55.00 Abandoned irrigation ditch, 15 lks. wide, course S.

60.00 Set an iron post for 1/16 sec. cor. No. 1 bet. secs. 19 and 30, $E\frac{1}{2}$, with brass cap stamped
No 1 1/16 S 19 in N.
S 30 1911 in S.

From which -

Mesquite, 10 ins. in diam., brs. S. 86° 15' E., 157 lks. dist., mkd. 1/16 S 30 B T

Mesquite, 8 ins. in diam., brs. N. 62° 15' W., 148 lks. dist., mkd. 1/16 S 19 B T

60.15 Road brs. N. and S.

70.00 Enter timber and dense under brush, brs. N. and S.

73.35 Abandoned ditch, 15 lks. wide, course S. 50° W.

75.80 Road brs. NE. and SW.

76.36 Fence brs. NE. and SW.

76.80 Dry wash, 20 lks. wide, course SE.

80.00 The cor. of secs. 19, 20, 29 and 30.

Land, smooth slope, 48.00 chs. River bottom, 32.00 chs.
Soil, 1st rate. Bottom, 32.00 chs.
Timber, mesquite.
Underbrush, catclaw and mesquite, 10.00 chs.

From the 1/16 sec. cor. No. 12 bet. secs. 29 and 30, $S\frac{1}{2}$,
I run
West on a random line through S. $\frac{1}{4}$ of sec. 30.

20.00 Set temp. 1/16 sec. cor. No. 11.

40.00 Set temp. 1/16 sec. cor. No. 10.

| Chains | |
|--------|---|
| 60.00 | Set temp. 1/16 sec. cor. No. 9. |
| 80.00 | Intersect 1/16 sec. cor. No. 12 bet. secs. 25 and 30, S $\frac{1}{4}$, on the W. bdy. of the tp., previously described. |
| | Thence I run |
| | East on a true line through S. $\frac{1}{4}$ of sec. 30, Descending over smooth land to river bottom. |
| 10.00 | Dry wash, 20 lks. wide, course SE. |
| 20.00 | Set an iron post for 1/16 sec. cor. No. 9 in the center of the SW. $\frac{1}{4}$ of sec. 30, with brass cap stamped No 9 in N. 1/16 S 30 in center 1911 in S. |
| | Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| 24.00 | Foot of descent; enter river bottom, brs. N. and S. |
| 27.90 | Road brs. N. 20° E. and S. 20' W. |
| 29.93 | Fence brs. N. 20° E. and S. 20' W. |
| 30.00 | Abandoned ditch, 20 lks. wide, course S. 30° W. |
| 37.50 | Ditch, 20 lks. wide, course S. 10° W. |
| | Enter field. |
| 40.00 | Set an iron post for 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 30, with brass cap stamped No 10 in N. 1/16 S 30 in center 1911 in S. |
| | Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| 50.90 | Right bank of Verde River, 8 ft. high, course SW. Set an iron post for M. C. of sec. 30, with brass cap stamped M C in E. 1911 in S. 1/16 S 30 in W. |
| | Dig a pit 36x36x12 ins. 8 ft. W. of post and raise mound of earth 4 ft. base, 2 ft. high, W. of cor. |
| 51.00 | Enter channel of Verde River, 1 to 2 ft. deep, course SW. |
| 60.00 | Point for 1/16 sec. cor. No. 11 falls in river. |
| 70.00 | Leave channel of river, course SW. Thence over sand bar. |

Subdivision T. 4 N., R. 7 E.

Chains

77.60 Left bank of Verde River, 18 ft. high, course SW.
set an iron post for M. C. of sec. 30, with brass cap
stamped

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

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

Thence over river bottom.

80.00 The 1/16 sec. cor. No. 12 bet. secs. 29 and 30, S $\frac{1}{2}$, at

Land, river bottom, 26.90 chs.
Soil, 1st rate.
Brush, greasewood.

From the 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of
sec. 30, I run

South on a true line through middle of S. $\frac{1}{2}$ of sec. 30,

Over level river bottom, through cultivated field.

12.50 Fence brs. E. and W.

15.70 Right bank Verde River, 10 ft. high, course SW.

Set an iron post for M. C. of sec. 30, with brass cap
stamped

M C 1911 in S.
1/16 S 30 in N.

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

Land, cultivated field.
Soil, 1st rate.

From the $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30, on the W. bdy.

of the tp., previously described, I run

East on a true line through middle of sec. 30,

descending over smooth land to river bottom,

Through brush.

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

20.00 set an iron post for 1/16 sec. cor. No. 8 bet. the NW. and

SW. $\frac{1}{4}$ s of sec. 30, with brass cap stamped

No 8 in N.
1/16 S 30 in center
1911 in S.

Subdivision T. 4 N., R. 7 E.

BOOK 2397

| Chains | |
|--------|---|
| | Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth 3½ ft. base, 1½ ftp, high, N. of cor. |
| 30.50 | Road brs. N. and S. |
| 31.00 | Foot of descent; enter river bottom, brs. N. and S. |
| 31.50 | Draw, 50 lks. wide, course SW. |
| 35.50 | Road brs. N. 30° E. and S. 30° W. |
| 38.50 | Road brs. NE. and SW. |
| 40.00 | Set an iron post for C. ¼ sec. cor. of sec. 30, with brass cap stamped C ¼ S 30 in center 1911 in S. |
| | Dig pits 18x18x12 ins. E., S. and W. 3 ft. and N. of post 7 ft. dist.; and raise mound of earth 4 ft. base, 2 ft. high, N. of cor. |
| 40.90 | Abandoned ditch, 12 lks. wide, course SW. |
| 44.50 | Fence brs. N. 40° E. and S. 40° W. |
| 46.60 | Indian hut brs. N. 350 lks. dist. |
| 47.50 | Indian hut bears S. 300 lks. dist. |
| 51.10 | Ditch 16 lks. wide, course SW. |
| 56.00 | Leave brush; enter cultivated field, brs. N. 30° W. and S. 30° E. |
| 60.00 | Set an iron post for 1/16 sec. cor. No. 7 bet. the NE. and SE. ¼s of sec. 30, with brass cap stamped No 7 in N. 1/16 S 30 in center 1911 in S. |
| | Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth 3½ ft. base, 1½ ft. high, N. of cor. |
| 66.45 | Fence brs. NE. and SW. Leave cultivated field; enter open land. |
| 69.45 | Fence brs. NW. and SE. |
| 70.06 | Fence brs. NE. and SW. |
| 71.00 | Right bank of Verde River, 12 ft. high, course S. 70' W. Set an iron post for M. C. of sec. 30, with brass cap stamped M C in E. 1911 in S. 1/16 S 30 in W. |

Chains

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

Land, level river bottom, for 40.00 chs.

Cultivated field, 10.45 chs. Smooth abps, 27.00 chs.

Soil, 1st and 2nd rate.

Greasewood and mesquite brush.

From the 1/16 sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{4}$ s of sec. 30, I run

South on a true line through middle of the SE. $\frac{1}{4}$ of sec. 30,

Over level river bottom.

5.20 Right bank of Verde River.

Set an iron post for M. C. of sec. 30, with brass cap stamped

M C 1911 in S.
1/16 S 30 in N.

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

Land, level river bottom.
Soil, 1st rate.

From the 1/16 sec. cor. No. 6 bet. secs. 29 and 30, N $\frac{1}{2}$, I run

West on a random line through the N. $\frac{1}{4}$ of sec. 30.

20.00 Set temp. 1/16 sec. cor. No. 5.

40.00 Set temp. 1/16 sec. cor. No. 4.

60.00 Set temp. 1/16 sec. cor. No. 3.

80.00 Fall 10 lks. N. of 1/16 sec. cor. No. 6 bet. secs. 25 and 30, N $\frac{1}{2}$, on the W. bdy. of the tp., previously described.

Thence I run

N. 89° 56' E. on a true line through N $\frac{1}{4}$ of sec. 30,
Descending over rolling land,

Through brush.

19.50 Dry wash, 20 lks. wide, course SE.

20.00 Set an iron post for 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 30, with brass cap stamped

Chains

No 3 in N.
1/16 S 30 in center
1911 in S.

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

36.80 Road brs. N. and S.

40.00 Foot of descent; enter river bottom, brs. N. and S.

Set an iron post for 1/16 sec. cor. No. 4 bet. the NE. and NW. ¼s of sec. 30, with brass cap stamped

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

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

41.00 Dry wash, 40 lks. wide, course SE.

41.50 Road brs. N. 30° E. and S. 30° W.

50.50 Dry wash, 40 lks. wide, course SE.

52.50 Road brs. N. 30° E. and S. 30° W.

58.80 Abandoned ditch, 15 lks. wide, course S. 30° W.

59.80 Road brs. NE. and SW.

60.00 Set an iron post for 1/16 sec. cor. No. 5 in the center of the NE. ¼ of sec. 30, with brass cap stamped

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

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

62.00 Fence brs. NE. and SW.

63.10 Fence brs. NW. and SE.

67.30 Ditch, 15 lks. wide, course SW.

Leave brush; enter cultivated field, brs. NE. and SW.

78.00 Fence brs. NW. and SE.

Leave cultivated field; enter brush along fence.

80.00 The 1/16 sec. cor. No. 6 bet. secs. 29 and 30, N½.

Land, river bottom, 40.00 chs. Cultivated field, 10.70 chs.
Soil, 2nd rate.
Brush, greasewood and mesquite.

- March 3, 1911.

Subdivision T. 4 N., R. 7 E.

Chains

March 4, 1911, at 7h., a.m., l.m.t., I set off $33^{\circ} 40'$ N. on the latitude arc, $6^{\circ} 39\frac{1}{2}'$ S. on the declination arc, and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence I run

N. $0^{\circ} 1'$ E. bet. secs. 19 and 20

Over level river bottom,

Through mesquite timber and underbrush.

3.14 Fence brs. NE. and SW.

6.80 Abandoned ditch, 15 lks. wide, course SW.

Leave timber; enter greasewood brush, brs. NE. and SW.

7.50 Leave river bottom, brs. NE. and SW.

begin ascent of rough land.

20.00 Set an iron post for $1/16$ sec. cor. No. 12 bet. secs. 19 and 20, $8\frac{1}{2}$, with brass cap stamped

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

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

22.00 Draw, 60 lks. wide, course SE.

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

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

Dig pits $18 \times 18 \times 12$ ins. N. and S. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

After diligent search, find no trace of old cor.

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

No 6 in N.
 $1/16$ S 19 in W.
 S 20 " E.

Dig pits $18 \times 18 \times 12$ ins. N. and S. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

62.00 Arroyo, 20 ft. deep, 100 lks. wide, course SE.

70.00 Top of ascent; thence over rough land.

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

Chains

T 4 N S 17 in NE. quadrant
 R 7 E S 20 " SE. "
 S 19 " SW. "
 S 18 " NW. "

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

Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 No B.T.'s available.
 After diligent search, find no trace of old cor.

Land, river bottom, 7.50 chs. Rough, 72.50 chs.
 Soil, 1st and 2nd rate.
 Mesquite timber, 6.80 chs. None available for B.T.'s.
 Greasewood brush, 73.20 chs.

-
- S. $89^{\circ} 57'$ W. on a random line bet. secs. 18 and 19,
- 20.00 Set temp. $1/16$ sec. cor. No. 1.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 60.00 Set temp. $1/16$ sec. cor. No. 2.
- 80.00 Fall 6 lks. S. of cor. of secs. 13, 18, 19 and 24, on the
 W. bdy. of the tp., previously described.
- Thence I run
- East on a true line bet. secs. 18 and 19,
 Over rough land, through giant cactus and greasewood
 brush.
- 6.00 Begin gradual descent.
- 20.00 Set an iron post for $1/16$ sec. cor. No. 2 bet. secs. 18
 and 19, $W\frac{1}{2}$, with brass cap stamped
- No 2 $1/16$ S 18 in N.
 S 19 1911 in S.
- Big pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and
 raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 35.00 Dry wash, 20 lks. wide, course SE.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19,
 with brass cap stamped
- $\frac{1}{4}$ S 18 in N.
 S 19 1911 in S.
- Big pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and
 raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- After diligent search, find no trace of old cor.
- 60.00 Set an iron post for $1/16$ sec. cor. No. 1 bet. secs. 18
 and 19, $W\frac{1}{2}$, with brass cap stamped

Chains

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

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

- 61.20 Road brs. N. and S.
63.60 Road brs. N. and S.
80.00 The cor. of secs. 17, 18, 19 and 20.

Land, rough.
Soil, 3rd rate.
Brush, greasewood and cactus.

March 4, 1911, at the 1/16 sec. cor. No. 12 bet. secs. 19 and 20, S½, I set off 6° 37' S. on the declination arc, and at 12h. 12m., p.m., observe the sun on the meridian; the resulting latitude is 33° 40' N., which is within 1' of the correct latitude.

Thence I run

S. 89° 57' W. on a random line through the S. ¼ of sec. 19.

- 20.00 Set temp. 1/16 sec. cor. No. 11.
40.00 Set temp. 1/16 sec. cor. No. 10.
60.00 Set temp. 1/16 sec. cor. No. 9.
79.96 Fall 4 lks. N. of 1/16 sec. cor. No. 12 bet. secs. 19 and 24, S½, on the W. bdy. of the tp., previously described.

Thence I run

N. 89° 55' E. on a true line through S ¼ of sec. 19, descending over rough land, through brush.

- 12.00 Dry wash, 30 lks. wide, course SE.
16.50 Same wash, 30 lks. wide, course N. 60° E.
19.99 Set an iron post for 1/16 sec. cor. No. 9 in the center of the SW. ¼ of sec. 19, with brass cap stamped

No 9 in North
1/16 S 19 in center
1911 in S.

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

- 26.00 Same wash, 30 lks. wide, course S. 60° E.
39.98 Set an iron post for 1/16 sec. cor. No. 10 bet. the SE. and SW. ¼s of sec. 19, with brass cap stamped

No 10 in N.

Subdivision T. 4 N., R. 7 E.

BOOK 2397

Chains

1/16 S 19 in center
1911 in S.

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

53.55 Road brs. N. and S.

58.70 Road brs. N. and S.

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

No 11 in N.
1/16 S 19 in center
1911 in S.

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

62.50 Dry wash, 60 lks. wide, course S E.

67.10 Road brs. N. 15° W. and S. 15° E.

79.96 The 1/16 sec. cor. No. 12 bet. secs. 19 and 20, S $\frac{1}{4}$.

Land rough.
Soil, 3rd rate.
Brush, greasewood.

From the $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20, I run S. 89° 57' W. on a random line through middle of sec. 19.

20.00 Set temp. 1/16 sec. cor. No. 7.

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

60.00 Set temp. 1/16 sec. cor. No. 8.

80.00 Intersect $\frac{1}{4}$ sec. cor. bet. secs. 19 and 24, on the W. bdy. of the tp., previously described.

Thence I run

N. 89° 57' E. on a true line through middle of sec. 19,

Descending over rough land, through brush.

7.00 Dry wash, 20 lks. wide, course SE.

20.00 Set an iron post for 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 19, with brass cap stamped

No 8 in N.
1/16 S 19 in center
1911 in S.

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

Chains

40.00 Set an iron post for C. $\frac{1}{4}$ sec. cor. of sec. 19, with brass cap stamped

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

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

Foot of descent, brs. N. and S.

Thence over rough land.

50.00 Dry wash, 40 lks. wide, course SE.

57.00 Road brs. N. and S.

58.60 Road brs. N. 30° W. and S. 30° E.

NOTE: These roads join 250 lks. Northwardly.

60.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{8}$ s of sec. 19, with brass cap stamped

No 7 in N.
 $\frac{1}{16}$ S 19 in center
1911 in S.

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

80.00 The $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20.

Land, rough.
Soil, 2nd rate.
Brush, greasewood.

- March 4, 1911.

March 6, 1911, at 8h., a.m., l.m.t., I set off 33° 41' N. on the latitude arc, 5° 53' S. on the declination arc, and determine a meridian with the solar at the $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 19 and 20, $N\frac{1}{2}$.

Thence I run

S. 89° 57' W. on a random line through N. $\frac{1}{4}$ of sec. 19.

20.00 get temp. $\frac{1}{16}$ sec. cor. No. 5.

40.00 Set temp. $\frac{1}{16}$ sec. cor. No. 4.

60.00 Set temp. $\frac{1}{16}$ sec. cor. No. 3.

80.00 Fall 6 lks. S. of the $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 19 and 24, $N\frac{1}{2}$, on the W. bdy. of the tp., previously described.

Thence I run

East on a true line through N. $\frac{1}{4}$ of sec. 19,

| Chains | |
|--------|--|
| | Over rough land, descending, Through brush and scattered trees. |
| 9.00 | Dry wash, 12 lks. wide, course NE. |
| 14.50 | Same dry wash, 30 lks. wide, course SE. |
| 19.00 | Same dry wash, 30 lks. wide, course NE. |
| 20.00 | Set an iron post for 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 19, with brass cap stamped No 3 in N. 1/16 S 19 in center 1911 in S. From which - Palo verde, 10 ins. in diam., brs. N. 77° 55' E., 90 lks. dist., mkd. 1/16 S 19 B T palo verde, 6 ins. in diam., brs. S. 37° 45' E., 34 lks. dist., mkd. 1/16 S 19 B T |
| 21.00 | same wash, 35 lks. wide, course SE. |
| 24.00 | Foot of descent, brs. N. and S. Thence over rough land. |
| 40.00 | Set an iron post for 1/16 sec. cor. No. 4 bet. the NE. and NW. $\frac{1}{8}$ s of sec. 4, with brass cap stamped No 4 in N. 1/16 S 19 in center 1911 in S. Dig pite 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| 57.50 | Road brs. N. and S. |
| 58.80 | Road brs. N. 30° E. and S. 30° W. |
| 60.00 | Set an iron post for 1/16 sec. cor. No. 5 in the center of the NE. $\frac{1}{4}$ of sec. 19, with brass cap stamped No 5 in N. 1/16 S 19 in center 1911 in S. Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| 80.00 | The 1/16 sec. cor. No. 6 bet. secs. 19 and 20, N $\frac{1}{2}$. Land, rough. Soil, 3rd rate. Brush: Greasewood. Scattered palo verde trees. |
| ----- | |
| | From the cor. of secs. 17, 18, 19 and 20, I run N. 0° 1' E. bet. secs. 17 and 18, Over smooth land. |

| Chains | |
|--------|--|
| 3.40 | Begin descent of bluff, brs. NW. and SE. |
| 4.50 | Foot of descent; enter dense mesquite thicket and scattered cottonwood trees. |
| 6.70 | Abandoned ditch 20 lks. ^{wide,} _^ course SE. |
| 7.40 | Cottonwood tree, 60 ins. in diam., on line. |
| 8.50 | Leave mesquite thicket and scattered trees. |
| 9.10 | Right bank of Verde River, 4 ft. high, course SE. |
| | Set an iron post for N. C. of secs. 17 and 18, with brass cap stamped |
| | <p style="margin-left: 40px;">N C in N. 1911 in S. T 4 N 8 18 in SW. quadrant R 7 E S 17 " SE. " 5 notches on East edge.</p> |
| | Dig a pit 36x36x12 ins. 8 ft. S. of post and raise mound of earth 4 ft. base, 2 ft. high, S. of cor. |
| | After diligent search, find no trace of old cor. |
| | Enter channel of Verde River, 1 to 2 ft. deep ^{with sandbars} _^ course SE. |
| 20.00 | Point for 1/16 sec. cor. No. 12 falls in river. Set temp. cor. |
| 40.00 | Point for 1/4 sec. cor. falls in river. Set temp. cor. |
| 60.00 | Point for 1/16 sec. cor. No. 6 falls in river. Set temp. cor. |
| 75.00 | Leave water of Verde River, 1 to 2 ft. deep, course SW. |
| | Thence over sand bar. |
| 80.00 | Point for cor. of secs. 7, 8, 17 and 18 falls on sand bar |
| | in Verde River, course SW. |
| | Set stake for temp. cor. |
| | Land, rough, 4.50 chs. River bottom, 4.60 chs. Sand bar and river channel, 70.90 chs. |
| | Soil, 1st rate in river bottom. 2nd and 3rd rate in rough land, |
| | Mesquite thicket, 4.00 chs. Scattered cottonwood trees, 4.00 chs. |
| ----- | |
| | From point for cor. of secs. 7, 8, 17 and 18, on sand bar, |
| | in channel of Verde River, I run |
| | West on a random line bet. secs. 7 and 18. |
| 20.00 | Set temp. 1/16 sec. cor. No. 1. |
| 40.00 | Set temp. 1/4 sec. cor. |
| 60.00 | Set temp. 1/16 sec. cor. No. 2. |

Chains

80.04 Intersect cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the tp., previously described.

Thence I run

East on a true line bet. secs. 7 and 18,

Descending over rough and broken land,

Through greasewood brush and cactus.

20.01 Set an iron post for 1/16 sec. cor. No. 2 bet. secs. 7 and 18, W 1/4, with brass cap stamped

No 2 1/16 S 7 in N.
S 18 1911 in S.

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

No B.T. available.

23.00 Foot of descent, brs. N. 60° W. and S. 60° E. Begin ascent.

28.00 Ridge brs. N. 60° W. and S. 60° E.

Top of ascent; begin descent.

36.00 Draw, 30 lks. wide, course SE.

Foot of descent. Thence over rough land, gradually descending.

40.02 get an iron post for 1/4 sec. cor. bet. secs. 7 and 18, with brass cap stamped

1/4 S 7 in N.
S 18 1911 in S.

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

After diligent search, find no trace of old cor.

48.00 Foot of descent; enter river bottom, brs. NE. and SW.

49.30 Dry wash, 40 lks. wide, course S.

Enter timber, brs. N. and S.

53.00 Road brs. N. and S.

Enter dense mesquite thicket.

60.03 get an iron post for 1/16 sec. cor. No. 1 bet. secs. 7 and 18, E 1/4, with brass cap stamped

No 1 1/16 S 7 in N.
S 18 1911 in S.

From which -

Mesquite, 7 ins. in diam., brs. N. 20° E., 141 lks. dist., mkd. 1/16 S 7 B T

Subdivision T. 4 N., R. 7 E.

BOOK 2397

Chains

Mesquite, 8 ins. in diam., brs. S. $48\frac{1}{2}^{\circ}$ W., 48 lks.
dist., mkd. 1/16 S 18 B T

61.00 Dry wash, 17 lks. wide, course S. 60° E.

70.00 Road brs. NE. and SW.

74.00 Leave dense mesquite thicket, brs. NE. and SW.

74.43 Right bank of Verde River, 10 ft. high, course SW.

Set an iron post for M. C. of secs. 7 and 18, with brass
cap stamped

M C in E.
1911 in S.
T 4 N S 18 in SW. quadrant
R 7 E S 7 " NW. "
4 notches on the S. edge.

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

No B.T.'s available.

Descend 10 ft. bank. Thence over sand bar.

80.04 Temp. cor. of secs. 7, 8, 17 and 18, on sand bar in Verde
River.

Land, rough, 48 chs., 3rd rate. River bottom, 26.40 chs.,
1st rate. Sand bar, 5.60 chs.
Timber, mesquite 25.17 chs.
Dense mesquite thicket, 21.00 chs.

March 6, 1911, at this temp. cor., I set off $5^{\circ} 51'$ S. on
the declination arc, and at 12h. 11m., 30s., p.m., ob-
serve the sun on the meridian; the resulting latitude is
 $33^{\circ} 41'$ N., which is within 1' of the correct latitude.

From the temp. 1/16 sec. cor. No. 12 bet. secs. 17 and 18,

$S\frac{1}{2}$, which is on sand bar in the channel of the Verde
River, I run

West on a random line through the S. $\frac{1}{2}$ of sec. 18.

20.00 Set temp. 1/16 sec. cor. No. 11.

40.00 Set temp. 1/16 sec. cor. No. 10.

60.00 Set temp. 1/16 sec. cor. No. 9.

80.00 Intersect the 1/16 sec. cor. No. 12 bet. secs. 13 and 18,

$S\frac{1}{2}$, on the W. bdy. of the tp., previously described.

Thence I run

East on a true line through the S. $\frac{1}{2}$ of sec. 18,

Subdivision T. 4 N., R. 7 E.

| Chains | |
|--------|--|
| | Over rough and broken land. |
| 20.00 | Set an iron post for 1/16 sec. cor. No. 9 in the center of the SW. $\frac{1}{4}$ of sec. 18, with brass cap stamped No 9 in N. 1/16 S 18 in center 1911 in S. |
| | Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| 28.00 | Begin descent, brs. NW. and SE. |
| 33.00 | Dry wash, 10 lks. wide, course S. 60° E. Foot of descent. |
| 36.00 | Dry wash, 20 lks. wide, course N. 60° E. Begin ascent. |
| 38.00 | Top of ascent. Ridge brs. NE. and SW. Begin descent. |
| 40.00 | Set an iron post for 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 18, with brass cap stamped No 10 in N. 1/16 S 18 in center 1911 in S. |
| | Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor. |
| 41.00 | Foot of descent brs. N. 30° W. and S. 30° E. |
| 44.00 | Dry wash, 15 lks. wide, course S. 80° E. |
| 48.00 | Draw, 20 lks. wide, course S. |
| 49.00 | Begin ascent, brs. N. and S. |
| 50.00 | Ridge brs. N. and S. Begin descent. |
| 52.00 | Foot of descent. Enter river bottom and mesquite thicket, bear N. and S. |
| 60.00 | Set an iron post for 1/16 sec. cor. No. 11 in the center of the SE. $\frac{1}{4}$ of sec. 18, with brass cap stamped No 11 in N. 1/16 S 18 in center 1911 in S. |
| | From which- |
| | Mesquite, 10 ins. in diam., brs. N. 6° E., 21 lks. dist., mkd. 1/16 S 18 B T |
| | Mesquite, 8 ins. in diam., brs. S. 77 $\frac{1}{2}$ ° W., 67 lks. dist., mkd. 1/16 S 18 B T |
| 61.00 | Dry wash, 20 lks. wide, course S. 80° E. |
| 65.70 | Road brs. N. and S. |
| 69.00 | Leave mesquite thicket, brs. N. and S. |

Subdivision T. 4 N., R. 7 E.

BOOK 2897

Chains

70.80 Right bank of Verde River, 8 ft. high, brs. N. and S.
set an iron post for N. C. of sec. 18, with brass cap
stamped

N C in E.
1911 in S.
1/16 S 18 in W.

Dig a pit 36x36x12 ins. 8 ft. W. of post 3 ft. dist.; and
raise mound of earth 4 ft. base, 2 ft. high, W. of cor.

Thence in channel of verde River.

80.00 The temp. 1/16 sec. cor. No. 12 bet. secs. 17 and 18, S $\frac{1}{2}$,
on sand bar in Verde River.

Land, rough and broken; and river bottom.

Soil, 1st to 3rd rate.

Timber, mesquite, with dense underbrush.

- March 6, 1911.

March 7, 1911, at 8h., a.m., l.m.t., I set off 33° 41' N.
on the latitude arc, 5° 51' S. on the declination arc,
and determine a meridian with the solar at the temp. $\frac{1}{4}$
sec. cor. bet. secs. 17 and 18, which is on sand bar in
Verde River.

Thence I run

West on a random line through middle of sec. 18.

20.00 get temp. 1/16 sec. cor. No. 5.

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

60.00 Set temp. 1/16 sec. cor. No. 8.

80.00 Intersect $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18, on the W. bdy.
of the tp., previously described.

Thence I run

East on a true line through middle of sec. 18,

Descending over rough and broken land,

Through brush.

12.00 Draw, 30 lks. wide, course SW.

18.00 Dry wash, 40 lks. wide, course S.

20.00 Set an iron post for 1/16 sec. cor. No. 8 bet. the NW.
and SW. $\frac{1}{8}$ s of sec. 18, with brass cap stamped

No 8 in N.
1/16 S 18 in center
1911 in S.

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

Chains

- 39.50 Draw, 20 lks. wide, drains SE.
- 40.00 Set an iron post for C. $\frac{1}{4}$ sec. cor. of sec. 18, with brass cap stamped
- C $\frac{1}{4}$ S 18 in center
1911 in S.
- Dig pits 18x18x12 ins. E., S. and W. 3 ft., and N. of post 7 ft. dist.; and raise mound of earth 4 ft. base, 2 ft. high, N. of cor.
- 54.70 Begin descent of bluff, brs. NW. and SE.
- 56.00 Foot of 40-ft. bluff, brs. NW. and SE. Foot of descent.
- 60.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{8}$ s of sec. 18, with brass cap stamped
- No 7 in N.
 $\frac{1}{16}$ S 18 in center
1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- No B.T.'s available.
- 61.00 Road brs. N. and S.
- 71.50 Right bank of Verde River, 7 ft. high, course S.
- Set an iron post for M. C. of sec. 18, with brass cap stamped
- M C in E.
1911 in S.
 $\frac{1}{16}$ S 18 in W.
- Dig a pit 36x36x12 ins. 8 ft. W. of post, and raise mound of earth 4 ft. base, 2 ft. high, W. of cor.
- Thence in channel of Verde River.
- 80.00 The temp. $\frac{1}{4}$ sec. cor. bet. secs. 17 and 18, which is in channel of Verde River, on sand bar.
- Land, rough 56.00 chs. Level river bottom, 15.50 chs.
Soil, 1st rate.
Dense mesquite thicket, 15.00 chs.
-
- From the temp. $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 17 and 18, N. $\frac{1}{4}$. on sand bar in Verde River, I run West on a random line through N. $\frac{1}{4}$ of sec. 18.
- 20.00 Set temp. $\frac{1}{16}$ sec. cor. No. 5.
- 40.00 Set temp. $\frac{1}{16}$ sec. cor. No. 4.
- 60.00 Set temp. $\frac{1}{16}$ sec. cor. No. 3.
- 80.00 Intersect $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 13 and 18, N $\frac{1}{4}$, on the West bdy. of the tp., previously described.

Chains

- Thence I run
East on a true line through the N. $\frac{1}{4}$ of sec. 18,
descending over rough land through brush.
- 8.00 Dry wash, 40 lks. wide, course SE.
- 20.00 get an iron post for $\frac{1}{16}$ sec. cor. No. 3 in the center
of the NW. $\frac{1}{4}$ of sec. 18, with brass cap stamped
No. 3 in N.
 $\frac{1}{16}$ S 18 in center
1911 in S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 35.00 Begin steep descent, brs. NW. and SE.
- 40.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 4 bet. the NE.
and NW. $\frac{1}{4}$ s of sec. 18, with brass cap stamped
No 4 in N.
 $\frac{1}{16}$ S 18 in center
1911 in S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 41.50 Dry wash, 20 lks. wide, course SE.
Foot of descent.
- 44.50 Begin ascent, brs. N. and S.
- 45.50 see apiary brs. S., 250 lks. dist.
- 45.60 Ridge brs. N. and S. Top of ascent; begin descent.
- 47.00 Foot of descent.
Enter river bottom and dense mesquite thicket, bear N.
and S.
- 57.30 Road brs. N. and S.
- 58.00 Leave mesquite thicket, brs. N. and S.
Thence over open land.
- 60.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 5 in the center
of the NE. $\frac{1}{4}$ of sec. 18, with brass cap stamped
No 5 in N.
 $\frac{1}{16}$ S 18 in center
1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and
raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 60.70 Right bank of Verde River, course S.
Set an iron post for M. C. of sec. 8, with brass cap

Chains

stamped

M C in E.
1911 in S.
1/16 S 18 in W.

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

Thence in channel of Verde River.

80.00 The temp. 1/16 sec. cor. No. 6 bet. secs. 17 and 18, N $\frac{1}{2}$,
on sand bar in Verde River.

Land, rough, 47. chs. River bottom, 13.70 chs.
Soil, 1st and 2nd rate.
Timber and brush, mesquite.

Mar. 7, 1911: Cloudy at noon; no observation for latitude.

From the temp. cor. of secs. 7, 8, 17 and 18, on sand bar in Verde River, I run

N. 0° 1' E. bet. secs. 7 and 8,

Over sand bar.

3.50 Right bank of Verde River, 12 ft. high, course SW.

Set an iron post for M. C. of secs. 7 and 8, with brass cap stamped

M C 1911 in S.
T 4 N S 8 in NE. quadrant
R 7 E S 7 " NW. "
5 notches on the E. edge.

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

N. B.T.'s available.

After diligent search, find no trace of old cor.

Thence over river bottom, entering dense mesquite thicket.

6.65 Road brs. NE. and SW.

20.00 Set an iron post for 1/16 sec. cor. No. 12 bet. secs. 7 and 8, S $\frac{1}{2}$, with brass cap stamped

No 12 in N.
1/16 S 7 in W.
S 8 " E.
1911 " S.

From which-

Mesquite, 9 ins. in diam., brs. S. 35° E., 62 lks.
dist., mkd. 1/16 S 8 B T
Mesquite, 16 ins. in diam., brs. S. 40° W., 14 lks.
dist., mkd. 1/16 S 7 B T

Subdivision T. 4 N., R. 7 E.

Chains

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

$\frac{1}{4}$ S 7 in W.
S 8 " E.
1911 " S.

from which -

Mesquite, 12 ins. in diam., brs. S. $1^{\circ} 20'$ E., 16
lks. dist., mkd. $\frac{1}{4}$ S 8 E T
Mesquite, 14 ins. in diam., brs. S. $81^{\circ} 5'$ W., 102
lks. dist., mkd. $\frac{1}{4}$ S 7 E T

After diligent search, find no trace of old cor.

Leave river bottom, brs. NE. and SW.

Ascend over rough land.

44.00 Dry wash, 40 lks. wide, course SE.

48.00 Leave dense mesquite thicket; enter scattered mesquite and
palo verde timber, brs. E. and W.

53.00 Enter dry wash, 20 lks. wide; course SE. from N.

57.00 Leave wash, 15 lks. wide, course S. from NW.

60.00 Set an iron post for $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 7 and
8, N $\frac{1}{4}$, with brass cap stamped

No 6 in N.
 $\frac{1}{16}$ S 7 in W.
S 8 " E.
1911 " S.

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

69.00 Road brs. N. 10° E. and S. 10° W.

74.60 Intersect North bdy. of old Camp McDowell Reservation, at
a point from which the First M. P. brs. S. $80^{\circ} 19'$ W.,
27.04 chs. dist.

Set an iron post for C. C. of secs. 7 and 8, with brass
cap stamped

C C 1911 in S.
T 4 N S 7 in SW. quadrant
R 7 E S 8 " SE. " "
1 notch on the W. and 5 on the E. edge.

From which -

Palo verde, 8 ins. in diam., brs. S. 1° E., 52 lks.
dist., mkd. T 4 N R 7 E S 8 O C B T
Ironwood, 8 ins. in diam., brs. S. $44^{\circ} 45'$ W., 88
lks. dist., mkd. T 4 N R 7 E S 7 O C B T

Chains

Land, river bottom, 40.00 chs. Bought 34.60 chs.
Soil, 1st and 2nd rate.
Timber, mesquite, palo verde and ironwood.
Dense mesquite thicket, 48.00 chs.

- March 7, 1911.

March 1, 1911. -

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of
the tp., previously described, I run

N. 0° 1' E. bet. secs. 32 and 33,

Over mesa, through greasewood brush.

13.50 Draw, 20 ft. deep, 50 lks. wide, drains SW.

20.00 get an iron post for 1/16 sec. cor. No. 12 bet. secs. 32
and 33, 8 $\frac{1}{2}$, with brass cap stamped

No 12 in N.
1/16 S 32 in W.
S 33 " E.
1911 " S.

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

32.00 Road brs. E. and W.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 32 and 33,
with brass cap stamped

$\frac{1}{4}$ S 32 in W.
S 33 " E.
1911 " S.

Dig pits 18x16x12 ins. N. and S. of post 3 ft. dist.; and
raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

After diligent search, find no trace of old cor.

53.00 Leave mesa; brs. E. and W. begin descent over rough land.

60.00 Set an iron post for 1/16 sec. cor. No. 6 bet. secs. 32
and 33, 8 $\frac{1}{2}$, with brass cap stamped

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

65.00 Dry wash, 50 lks. wide, course N. 70° W.

78.00 Draw, 100 lks. wide, course W.

Foot of descent.

80.00 get an iron post for cor. of secs. 28, 29, 32 and 33,
with brass cap stamped

Subdivision T. 4 N., R. 7 E.

Chains

T 4 N S 28 in NE. quadrant
 R 7 E S 33 " SE. "
 S 32 " SW. "
 S 29 " NW. "
 1911 " S.

1 notch on the S. and 4 on the E. edge.

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

After diligent search, find no trace of old cor.

Land, rough and broken, 27.00 chs. Mesa, 53.00 chs.

Soil, 2nd to 4th rate.

Greasewood brush. No timber.

West on a random line bet. secs. 29 and 32.

20.00 Set temp. 1/16 sec. cor. No. 1.

40.00 Set temp. ¼ sec. cor.

60.00 Set temp. 1/16 sec. cor. No. 2.

80.00 Intersect cor. of secs. 29, 30, 31 and 32.

Thence I run

East on a true line bet. secs. 29 and 32

Over level river bottom, through brush.

4.00 Dry wash, 40 lks. wide, course SW.

20.00 get an iron post for 1/16 sec. cor. No. 2 bet. secs. 29
 and 32, W½, with brass cap stamped

No 2 1/16 S 29 in N.
 S 32 1911 in S.

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

40.00 get an iron post for ¼ sec. cor. bet. secs. 29 and 32,
 with brass cap stamped

¼ S 29 in N.
 S 32 " S.
 1911 " S.

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

from this point, the old ¼ sec. cor., a post 6 ins.
 square, 12 ins. above ground, properly mkd., brs. S.
 30½° W., 4.20 chs. dist. I destroy all trace of this
 old cor.

48.00 Begin ascent of rough land, brs. N. and S.

60.00 Set an iron post for 1/16 sec. cor. No. 1 bet. secs. 29
 and 32, E½, with brass cap stamped

No 1 1/16 S 29 in N.
 S 32 1911 in S.

Subdivision T. 4 N., R. 7 E.

Chains

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

80.00 The cor. of secs. 28, 29, 32 and 33.

Land, river bottom, 48.00 chs. Rough, 32.00 chs.
Brush, greasewood. Dense mesquite thicket, 2.00 chs.

- March 1, 1911.

March 2, 1911. -

From the 1/16 sec. cor. No. 12 bet. secs. 32 and 33, S 1/4,

I run

West on a random line through S. 1/4 of sec. 32.

20.00 Set temp. 1/16 sec. cor. No. 11.

40.00 Set temp. 1/16 sec. cor. No. 10.

60.00 set temp. 1/16 sec. cor. No. 9.

80.00 Intersect temp. 1/16 sec. cor. No. 12 bet. secs. 32 and
33, S 1/4, on sand bar in Verde River.

Thence I run

East on a true line through S. 1/4 of sec. 32,

Over sand bar in Verde River.

3.20 Left bank of verde River, 10 ft. high, course S. 25° E.

Set an iron post for M. C. of sec. 32, with brass cap
stamped

1/16 M C in W.
1911 in S.
S 32 in E.

From which -

Mesquite, 8 ins. in diam., brs. N. 25° E., 97 lks.
dist., mkd. 1/16 S 32 M C B T
Mesquite, 18 ins. in diam., brs. S. 83 1/2° E., 127 lks.
dist., mkd. 1/16 S 32 M C B T

Thence over river bottom through brush and timber.

17.00 Road brs. N. and S.

20.00 Set an iron post for 1/16 sec. cor. No. 9 in the center
of the SW. 1/4 of sec. 32, with brass cap stamped

No 9 in N.
1/16 S 32 in N.
1911 in S.

From which -

Mesquite, 16 ins. in diam., brs. N. 79° E., 145 lks.
dist., mkd. 1/16 S 32 B T
Mesquite, 18 ins. in diam., brs. S. 17 1/2° 10' W., 133
lks. dist., mkd. 1/16 S 32 B T

| Chains | |
|--------|---|
| 27.00 | Leave timber; enter greasewood brush. |
| 31.00 | Begin ascent, brs. N. and S. |
| 36.00 | Top of ascent brs. N. and S. Thence over mesa. |
| 40.00 | Set an iron post for 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 32, with brass cap stamped No 10 in N. 1/16 S 32 in center 1911 in S. Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. |
| 60.00 | Set an iron post for 1/16 sec. cor. No. 11 in the center of the SE. $\frac{1}{4}$ of sec. 32, with brass cap stamped No 11 in N. 1/16 S 32 in center 1911 in S. Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise 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. 32 and 33, $8\frac{1}{4}$. Land, mesa, 44.00 chs. Rough and broken slope, 5.00 chs. River bottom, 27.80 chs. Soil, 1st rate. Mesquite timber and underbrush, 23.80 chs. |
| ----- | |
| | from the $\frac{1}{4}$ sec. cor. bet. secs. 32 and 33, I run West on a random line through middle of sec. 32. |
| 20.00 | Set temp. 1/16 sec. cor. No. 7. |
| 40.00 | Set temp. C. $\frac{1}{4}$ sec. cor. |
| 60.00 | Set temp. 1/16 sec. cor. No. 8. |
| 80.00 | Intersect $\frac{1}{4}$ sec. cor. bet. secs. 31 and 32. Thence I run East on a true line through middle of sec. 32, Over level bottom land, through mesquite timber and dense undergrowth. |
| 18.50 | Leave timber and dense under brush, brs. N. and S. Thence through scattered greasewood. |
| 20.00 | Set an iron post for 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 32, with brass cap stamped No 8 in N. 1/16 S 32 in center 1911 in S. |

Subdivision T. 4 N., R. 7 E.

Chains

- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 20.50 Dry wash, 30 lks. wide, course NW.
- 34.50 Same dry wash, 20 lks. wide, course SW.
- 39.50 Road brs. NE. and SW.
- 40.00 get an iron post for C. $\frac{1}{4}$ sec. cor. of sec. 32, with
brass cap stamped
C $\frac{1}{4}$ S 32 in center
1911 in S.
- Dig pits 18x18x12 ins., E., S. and W. 3 ft. and N. of post 7 ft. dist., and raise mound of earth 4 ft. base, 2 ft. high, N. of cor.
- 43.00 Leave river bottom; begin ascent of mesa, brs. N. and S.
- 54.00 Top of ascent, brs. N. and S.
Thence over mesa.
- 55.00 Road brs. NW. and SE.
- 60.00 get an iron post for $1/16$ sec. cor. No. 7 bet. the NE. and
SE. $\frac{1}{4}$ s of sec. 32, with brass cap stamped
No 7 in N.
 $1/16$ S 32 in center
1911 in S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.00 The $\frac{1}{4}$ sec. cor. bet. secs. 32 and 33.
Land, river bottom, 43.00 chs. Mesa, 37.00 chs.
Soil, 1st rate, river bottom, 43.00 chs. Rocky, 3rd rate,
mesa, 37.00 chs.
Timber, mesquite, 18.50 chs.
Dense catclaw and mesquite underbrush for 18.50 chs.

From the $1/16$ sec. cor. No. 6 bet. secs. 32 and 33, N $\frac{1}{2}$.

I run

West on a random line through N. $\frac{1}{4}$ of sec. 32.

20.00 get temp. $1/16$ sec. cor. No. 5.

40.00 Set temp. $1/16$ sec. cor. No. 4.

60.00 Set temp. $1/16$ sec. cor. No. 3.

80.00 Intersect $1/16$ sec. cor. No. 6 bet. secs. 31 and 32, N $\frac{1}{2}$.

Thence I run

East on a true line through N. $\frac{1}{4}$ of sec. 32,

Subdivision T. 4 N., R. 7 E.

BOOK 2397
BOOK 2397

Chains

Over level river bottom land, through mesquite timber and undergrowth.

11.00 Dry wash, 40 lks. wide, course SW.

20.00 Set an iron post for 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 32, with brass cap stamped

No 3 in N.
1/16 S 32 in center
1911 in S.

From which -

Mesquite, 8 ins. in diam., brs. N. 16° E., 86 lks.
dist., mkd. 1/16 S 32 B T
Mesquite, 14 ins. in diam., brs. S. 87 $\frac{1}{2}$ ° E., 176 lks.
dist., mkd. 1/16 S 32 B T

26.00 Leave timber and underbrush, brs. N. and S. Enter scattered greasewood brush.

28.00 Leave river bottom, and begin ascent of rough land brs. NE. and SW.

40.00 Set an iron post for 1/16 sec. cor. No. 4 bet. the NE. and NW. $\frac{1}{4}$ s of sec. 32, with brass cap stamped

No 4 in N.
1/16 S 32 in center
1911 in S.

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

44.00 Top of ascent, brs. N. and S.

Thence over rough land.

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

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

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

80.00 The 1/16 sec. cor. No. 6 bet. secs. 32 and 33, N $\frac{1}{2}$.

Land, level bottom land, 28.00 chs. Rough and broken, 52.00 chs.

Soil, 28.00 chs. 1st rate, river bottom. 52.00 chs. rocky and 3rd rate.

Mesquite and catelaw brush, 26.00 chs. Greasewood, 54.00 chs.

March 2, 1911: Cloudy at noon; no observation for latitude.

- March 8, 1911, at 8h., a.m., l.m.t., I set off $33^{\circ} 39'$ N. on the latitude arc, $5^{\circ} 6'$ S. on the declination arc, and determine a meridian with the solar at the cor. of secs. 28, 29, 32 and 33.
- Thence I run
- N. $0^{\circ} 1'$ E. bet. secs. 28 and 29,
- Over rough and broken land, with scattered greasewood brush.
- 7.50 Dry wash, 30 lks. wide, course W.
- 20.00 set an iron post for $1/16$ sec. cor. No. 12 bet. secs. 28 and 29, $8\frac{1}{2}$, with brass cap stamped
- No 12 in N.
 $1/16$ S 29 in W.
 S 28 " E.
 1911 " S.
- Dig pits $18 \times 18 \times 12$ ins. N. and S. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 21.00 Draw, 10 lks. wide, course W.
- 39.50 Dry wash, 30 lks. wide, course SW.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 28 and 29, with brass cap stamped
- $\frac{1}{4}$ S 29 in W.
 S 28 " E.
 1911 " S.
- Dig pits $18 \times 18 \times 12$ ins. N. and S. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- After diligent search, find no trace of old cor.
- 60.00 get an iron post for $1/16$ sec. cor. No. 6 bet. secs. 28 and 29, $8\frac{1}{2}$, with brass cap stamped
- No 6 in N.
 $1/16$ S 29 in W.
 S 28 " E.
 1911 " S.
- Dig pits $18 \times 18 \times 12$ ins. N. and S. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 61.00 Draw, 30 lks. wide, course NW.
- 63.00 Begin steep descent, brs. E. and W.
- 66.00 Foot of descent, brs. E. and W.
- 69.00 Dry wash, 70 lks. wide, course W.
- 74.00 Begin ascent, brs. E. and W.
- 78.00 Ridge, brs. E. and W.
- Top of ascent; begin descent.

Chains

80.00 Set an iron post for cor. of secs. 20, 21, 28 and 29,
with brass cap stamped

T 4 N S 21 in NE. quadrant
R 7 E S 28 " SE. "
S 29 " SW. "
S 20 " NW. "
1911 " S.

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

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

After diligent search, find no trace of old cor.

Land, rough and broken.
Soil, rocky and 2nd rate.
Brush, greasewood.

West on a random line bet. secs. 20 and 29.

20.00 Set temp. 1/16 sec. cor. No. 1.

40.00 set temp. ¼ sec. cor.

60.00 get temp. 1/16 sec. cor. No. 2.

80.04 Intersect cor. of secs. 19, 20, 29 and 30.

Thence I run

East on a true line bet. secs. 20 and 29,

Over river bottom, through timber.

11.80 Fence hrs. NW. and SE.

Leave timber; enter field.

13.50 Fence, hrs. N. and S.

Leave field; enter timber.

20.01 get an iron post for 1/16 sec. cor. No. 2 bet. secs. 20
and 29, W½, with brass cap stamped

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

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

No B.T.'s available.

21.20 Ditch 20 lks. wide, course S. 30° E.

21.30 Fence hrs. S. 30° E. and N. 30° W.

Leave timber; enter field.

26.70 Fence hrs. S. 30° W. and N. 30° E.

Leave field; enter timber.

Chains

28.00 Right bank of Verde River, 3 ft. high, course S. 10° W.
Set an iron post for M. C. of secs. 20 and 29, with brass cap stamped

M C in E.
1911 in S.
T 4 N S 29 in SW. quadrant
R 7 E S 20 " NW. "
2 notches on the S. edge.

Dig a pit 36x36x12 ins. 3 ft. W. of post and raise mound of earth 4 ft. base, 2 ft. high, W. of cor.

After diligent search, find no trace of old cor.

28.10 Foot of 4 ft. bank. Thence over sand bar.

30.00 Enter shallow channel of Verde River, 1 to 2 ft. deep,
course S. 15° W.

40.02 Point for $\frac{1}{4}$ sec. cor. falls in river.

48.00 Middle of main channel of Verde River, 4.00 chs. wide,
course S. 15° W.

50.00 Leave main channel; thence over sand bar.

50.60 Left bank of verde River, 15 ft. high, course SW.

Set an iron post for M. C. of secs. 20 and 29, with brass cap stamped

M C in W.
1911 in S.
T 4 N S 20 in NE. quadrant
R 7 E S 29 " SE. "
2 notches on the S. edge.

Dig a pit 36x36x12 ins. 3 ft. E. of post and raise mound of earth $2\frac{1}{2}$ 4 ft. base, 2 ft. high, E. of cor.

(From this cor., the old cor. brs. S. 60° E., 4.00 chs. dist. I destroy all trace of this old cor.)

Thence over rough land, ascending, through greasewood brush.

57.00 Arroyo, 25 ft. deep, 100 lks. wide, course NW.

58.00 Begin steep ascent, brs. NW. and SE.

60.03 Set an iron post for 1/16 sec. cor. No. 1 bet. secs. 20 and 29, $2\frac{1}{2}$, with brass cap stamped

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

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

66.00 Top of ascent. Cross ridge, brs. NW. and SE.

Chains

Begin descent along N. slope of ridge.

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

Land, river bottom, 1st rate, 28.00 chs.

Rough and broken, 29.40 chs.

River channel and s and bar, 10.60 chs.

Timber, mesquite and cottonwood, 28.00 chs.

Brush, greasewood and catclaw.

March 8, 1911, at this cor., I set off $5^{\circ} 4' S.$ on the declination arc, and at 12h. 11m., p.m., l.m.t., observe the sun on the meridian; the resulting latitude is $33^{\circ} 40' N.$, which is within 1' of the correct latitude.

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

I run

West on a random line through the $S. \frac{1}{2}$ of sec. 29.

20.00 Set temp. $1/16$ sec. cor. No. 11.

40.00 Set temp. $1/16$ sec. cor. No. 10.

60.00 Set temp. $1/16$ sec. cor. No. 9.

80.04 Fall 4 lks. S. of the $1/16$ sec. cor. No. 12, bet. secs. 29 and 30, $S\frac{1}{2}$.

Thence I run

$S. 89^{\circ} 58' E.$ on a true line through the $S. \frac{1}{2}$ of sec. 29

Over river bottom, through brush.

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

No 9 in N.
 $1/16 S 29$ in center
1911 in S.

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

28.00 Leave river bottom, brs. NW. and SE.

Begin ascent over rough land.

40.02 Set an iron post for $1/16$ sec. cor. No. ~~10~~¹⁰ bet. the ~~SE~~^{SE} and $SW. \frac{1}{4}$ s of sec. 29, with brass cap stamped

No 20 in N.
 $1/16 S 29$ in center
1911 in S.

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

42.00 Top of ascent, brs. NW. and SE.

Thence over rough land.

46.00 Dry wash, 20 lks. wide, course SW.

Chains

- 56.00 Draw, 15 lks. wide, drains SW.
- 60.03 Set an iron post for 1/16 sec. cor. No. 11 in the center of the SE. $\frac{1}{4}$ of sec. 29, with brass cap stamped
- No 11 in N.
1/16 S 29 in center
1911 in S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 62.00 Draw, 20 lks. wide, drains SW.
- 80.04 The 1/16 sec. cor. No. 12 bet. secs. 28 and 29, $8\frac{1}{2}$.
- Land, river bottom, 1st rate, 28.00 chs.
Rough and broken, 52.04 chs.
Brush, greasewood.
-
- From the $\frac{1}{4}$ sec. cor. bet. secs. 28 and 29, I run West on a true line through the middle of sec. 29, Over rough and broken land, through greasewood brush.
- 20.00 Set an iron post for 1/16 sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{4}$ s of sec. 29, with brass cap stamped
- No 7 in N.
1/16 S 29 in center
1911 in S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 40.00 Set an iron post for C. $\frac{1}{4}$ sec. cor. of sec. 29, with brass cap stamped
- C $\frac{1}{4}$ S 29 in center
1911 in S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 50.00 Begin descent, brs. NW. and SE.
- 60.00 Set an iron post for 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 29, with brass cap stamped
- No 8 in N.
1/16 S 29 in center
1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 61.70 Left bank of Verde River, 20 ft. high.
- Set an iron post for M. C. of sec. 29, with brass cap stamped
- 1/16 M C in W.
1911 in S.

Subdivision T. 4 N., R. 7 E.

C chains

S 29 in E.

Raise mound of stone 2 ft. base, 1 1/2 ft. high, E. of cor.

Land, rough and broken.
Soil, 3rd rate, rocky.
Greasswood brush.

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

I run

West on a random line through N. 1/2 of sec. 29.

20.00 Set temp. 1/16 sec. cor. No. 5.

40.00 Set temp. 1/16 sec. cor. No. 4.

60.00 Set temp. 1/16 sec. cor. No. 3.

80.00 Intersect 1/16 sec. cor. No. 6 bet. secs. 29 and 30, N 1/2.

Thence I run

East on a true line through the N. 1/2 of sec. 29

Over level river bottom, through brush,

12.40 fence brs. NE. and SW.

15.00 Leave brush; enter cottonwood timber, brs. NW. and SE.

20.00 Set an iron post for 1/16 sec. cor. No. 3 in the center of
the NW. 1/4 of sec. 29, with brass cap stamped

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

from which -

Cottonwood, 12 ins. in diam., brs. S. 52 1/2° E., 32 lks.
dist., mkd. 1/16 S 29 B T
Cottonwood, 10 ins. in diam., brs. N. 68 1/2° W., 98 lks.
dist., mkd. 1/16 S 29 B T

22.00 Right bank of Verde River, 8 ft. high, course SW.

set an iron post for M C. of sec. 29, with brass cap
stamped

M C in E.
1911 in S.
1/16 S 29 in W.

From which -

Cottonwood, 8 ins. in diam., brs. S. 37° W. 18 lks.
dist., mkd. 1/16 S 29 M C B T
Cottonwood, 10 ins. in diam., brs. N. 73 1/2° W. 33 lks.
dist., mkd. 1/16 S 29 M C B T

Thence over sand bar.

Subdivision T. 4 N., R. 7 E.

BOOK 2397

| Chains | |
|--------|--|
| 23.00 | Enter shallow channel of Verde River, 1 to 3 ft. deep, course SW. |
| 32.00 | Enter main channel, 3 ft. deep, course SW. |
| 39.10 | Leave main channel, and ascend steep bank, 20 ft. high, |
| 40.00 | Top of left bank of Verde River. |
| | Set an iron post for 1/16 sec. cor. No. 4 and also M. C., bet. the NE. and NW. $\frac{1}{4}$ s of sec. 29, with brass cap stamped |
| | 1/16 M C in W. 1911 in S. S 29 in E. |
| | Dig a pit 36x36x12 ins. 8 ft. E. of post and raise mound of earth 4 ft. base, 2 ft. high, E. of cor. |
| | Thence over rough and broken land, through greasewood brush. |
| 41.00 | Begin ascent, brs. NE. and SW. |
| 46.00 | Top of ascent, brs. NE. and SW. |
| | Thence over rough and broken land. |
| 60.00 | Set an iron post for 1/16 sec. cor. No. 5 in the center of the NE. $\frac{1}{4}$ of sec. 29, with brass cap stamped |
| | No 5 in N. 1/16 S 29 in center 1911 in S. |
| 62 | Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| 62.00 | Begin descent brs. NE. and SW. |
| 67.00 | Dry wash, 8 lks. wide, course SW. |
| | Foot of descent; begin ascent, brs. NE. and SW. |
| 77.00 | Top of ascent, brs. NE. and SW. |
| 80.00 | The 1/16 sec. cor. No. 6 bet. secs. 28 and 29, N $\frac{1}{2}$. |
| | Land, river bottom, soil 1st rate, 22.00 chs. Rough and broken, rocky and 3rd rate, 40.00 chs. River and sand bar, 18.00 chs. Timber, cottonwood for 7.00 chs. Brush, catalaw, mesquite, greasewood. |

From the 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 29, I run
N. 0° 1' E. on a random line through middle of N sec. 29.

Chains

20.00 Intersect the 1/16 sec. cor. No. 3 in the center of the NW. 1/4 of sec. 29.

Thence I run

S. 0° 1' W. on a true line through middle of the NW. 1/4 of sec. 29,

Over level river bottom, through heavy cottonwood timber and dense arrow weed underbrush.

1.25 Right bank of Verde River, 4 ft. high, course SW.

Set an iron post for N. C. of sec. 29, with brass cap stamped

N C 1911 in S.
1/16 S 29 in N.

From which -

- Cottonwood, 8 ins. in diam., brs. N. 71° 45' W., 54 lks. dist., mkd. 1/16 S 29 N T
- Cottonwood, 10 ins. in diam., brs. N. 3° 30' W., 26 lks. dist., mkd. 1/16 S 29 B T

1.38 Enter shallow channel of Verde River, 1 to 2 ft. deep, course SW.

8.00 Enter main channel of Verde River, course SW.

17.80 Leave channel of Verde River; begin ascent of steep bank.

18.10 Top of left bank of Verde River, 20 ft. high.

Set an iron post for N. C. of sec. 29, with brass cap stamped

1/16 N C in N.
S 29 1911 in S.

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

20.00 The 1/16 sec. cor. No. 8 bet. the NW. and SW. 1/8 of sec. 29.

Land, river bottom, soil 1st rate, 1.25 chs. Rough and rocky, 1.90 chs. River channel, 17.85 chs. Cottonwood timber, 1.25 chs., N 1/4. Greasewood brush, 1.90 chs., S 1/4.

- March 8, 1911.

March 9, 1911, at 7h., a.m., l.m.t., I set off 33° 40' N. on the latitude arc, 4° 43' S. on the declination arc, and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Chains

Thence I run
 N. 0° 1' E. bet. secs. 20 and 21,
 descending over rough and broken land,
 Through greasewood brush.

6.00 Foot of descent, brs. E. and W.

8.00 Dry wash, 40 lks. wide, course W.

12.00 Begin ascent, brs. E. and W.

18.00 Ridge brs. E. and W.
 Top of ascent; begin descent.

20.00 Set an iron post for 1/16 sec. cor. No. 12 bet. secs.
 20 and 21, st with brass cap stamped
 No. 12 in N.
 1/16 S 20 in W.
 S 21 " E.
 1911 " S.

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

24.00 Dry wash, 18 lks. wide, course W.
 Foot of descent; begin ascent, brs. E. and W.

29.50 Ridge brs. E. and W.
 Top of ascent; begin descent.

31.00 Foot of descent, brs. E. and W.
 Thence over rough and broken land.

32.50 Dry wash, 300 lks. wide, course W.

34.00 begin ascent, brs. E. and W.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 20 and 21,
 with brass cap stamped
 1/4 S 20 in W.
 S 21 " E.
 1911 " S.

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

From this point, the old 1/4 sec. cor. brs. S. 3° W., 3.09
 chs. dist. I destroy all trace of this old cor.

48.00 Arroyo, 15 ft. deep, 60 lks. wide, course S. 20° W.

60.00 Set an iron post for 1/16 sec. cor. No. 6 bet. secs. 20
 and 21, st with brass cap stamped
 No 6 in N.
 1/16 S 20 in W.
 S 21 " E.
 1911 " S.

Subdivision T. 4 N., R. 7 E.

Chains

- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 66.00 Ridge brs. E. and W.
Top of ascent; begin descent.
- 76.00 Arroyo, 25 ft. deep, 100 lks. wide, course W.
- 80.00 Set an iron post for cor. of secs. 16, 17, 20 and 21,
with brass cap stamped
- T 4 N S 16 in NE. quadrant
R 7 E S 21 " SE. "
S 20 " SW. "
S 17 " NW. "
1911 " S.
- 3 notches on the S. and 4 on the E. edge.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, rough and broken.
Soil, 3rd rate and rocky.
Brush, greasewood.
-
- West on a random line bet. secs. 17 and 20.
- 20.00 Set temp. $1/16$ sec. cor. No. 1.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 60.00 Set temp. $1/16$ sec. cor. No. 2.
- 80.00 Fall 18 lks. S. of cor. of secs. 17, 18, 19 and 20.
- Thence I run
S. $89^{\circ} 52'$ E. on a true line bet. secs. 17 and 20,
Over rough land, through brush and cactus.
- 4.30 Begin steep descent, brs. NW. and SE.
- 5.00 Foot of descent, brs. NW. and SE.
- Thence over level river bottom, through dense catclaw
and mesquite brush.
- 7.00 Irrigation ditch, 25 lks. wide, course S. 20° E.
- 7.40 Right bank of Verde River, 6 ft. high, course S. 20° E.
Set an iron post for M. C. of secs. 17 and 20, with brass
cap stamped
- M C in E.
1911 in S.
T 4 N S 20 in SW. quadrant
R 7 E S 17 " NW. "
3 notches on the S.
- Dig a pit $36 \times 36 \times 12$ ins. 8 ft. W. of post and raise mound
of earth 4 ft. base, 2 ft. high, W. of cor.

Chains

- 7.60 Enter shallow channel of Verde River, 1 to 2 ft. deep,
course SE.
- 15.00 Leave shallow channel. Thence over sand bar.
- 19.60 Leave sand bar. Enter main channel of Verde River, course
S.
- 20.00 Point for 1/16 sec. cor. No. 2 bet. secs. 17 and 20, W $\frac{1}{2}$,
falls in river.
- 26.00 Leave main channel; thence over sand bar.
- 30.00 Enter old channel of Verde River, now dry, course S.
- 33.00 Leave old channel.
- 33.60 Left bank of Verde River, 8 ft. high, course SE.

Set an iron post for M. C. of secs. 17 and 20, with brass
cap stamped

M C in W.
1911 in S.
T 4 N S 17 in NE. quadrant
R 7 E S 20 " SE. "
3 notches on the S.

From which -

Cottonwood, 40 ins. in diam., brs. N. 45° E., 6 lks.
dist., mkd. T 4 N R 7 E S 17 M C B T
Cottonwood, 36 ins. in diam., brs. S. 20° E., 70 lks.
dist., mkd. T 4 N R 7 E S 20 M C B T

Thence over level river bottom,

Through heavy cottonwood timber and dense mesquite and
catelaw underbrush.

- 37.00 Leave cottonwood timber.
Thence through mesquite timber and dense underbrush.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20,
with brass cap stamped

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

From which -

Mesquite, 6 ins. in diam., brs. S. 4° W., 58 lks.
dist., mkd. $\frac{1}{4}$ S 20 B T
Mesquite, 6 ins. in diam., brs. N. 43 $\frac{1}{4}$ ° W., 48 lks.
dist., mkd. $\frac{1}{4}$ S 17 B T

After diligent search, find no trace of old cor.

- 47.00 Leave dense mesquite timber and under brush, brs. N. and S.
Enter greasewood brush.

Subdivision T. 4 N., R. 7 E.

Chains

48.80 Dry wash, 100 lks. wide, course SW.

54.00 Leave river bottom, brs. N. and S.
begin ascent of rough and broken land.

60.00 Set an iron post for 1/16 sec. cor. No. 1 bet. secs. 17
and 20, $E\frac{1}{2}$, with brass cap stamped
No 1 1/16 S 17 in N.
S 20 1911 in S.
No B. T.'s available.
raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

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

80.00 The cor. of secs. 16, 17, 20 and 21.
Land, rough and broken, soil rocky and 3rd rate, 30.30 chs.
River bottom, soil 1st rate, 15.00 chs.
Timber, cottonwood, 3.40 chs. Mesquite, 13.40 chs.
Dense underbrush of mesquite and catclaw, 13.40 chs.
Greasewood brush, 37.00 chs.

From the 1/16 sec. cor. No. 1 bet. secs. 20 and 29, $E\frac{1}{2}$,
I run
N. $0^{\circ} 1'$ E. on a true line through middle of SE. $\frac{1}{4}$ of sec.
20,
Over rough and broken land, through brush.
from cor., begin descent of bluff, brs. NE. and SW.

18.70 Foot of descent. Left bank of Verde River, course SW.
Set an iron post for M. C. of sec. 20, with brass cap
stamped
M C in N. 1/16 in NW.
20 1911 in S.
Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
Land, rough and broken.
Soil, 3rd rate and rocky.
Brush, greasewood.

March 9, 1911, at the 1/16 sec. cor. No. 12 bet. secs. 20
and 21, $S\frac{1}{2}$; I set off $4^{\circ} 41'$ S. on the declination arc,
and at 12h. 11m., p.m., l.m.t., observe the sun on the
meridian; the resulting latitude is $33^{\circ} 40'$ N., which
is within 1' of the correct latitude.

Subdivision T. 4 N., R. 7 E.

Chains

Thence I run

West on a random line through S. $\frac{1}{2}$ of sec. 20.

20.00 Set temp. 1/16 sec. cor. No. 11.

40.00 Set temp. 1/16 sec. cor. No. 10.

60.00 set temp. 1/16 sec. cor. No. 9.

80.00 Fall 2 lks. S. of 1/16 sec. cor. No. 12 bet. secs. 19 and
20, $8\frac{1}{2}$.

Thence I run

S. $89^{\circ} 59'$ E. on a true line through S. $\frac{1}{2}$ of sec. 20,

Over level bottom land, through brush.

11.25 Abandoned ditch 15 lks. wide, course SW.

12.00 Road brs. NE. and SW.

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

No 9 in N.
1/16 S 20 in center
1911 in S.

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

30.90 Ditch 25 lks. wide, course S.

Enter timber, brs. N. and S.

38.00 Right bank of Verde River, 4 ft. high, course S.

Set an iron post for M.C. of sec. 20, with brass cap
stamped

M C in E. 1/16 in NW.
1911 in S.
S 20 in W.

From which -

Cottonwood, 30 ins. in diam., brs. N. $60\frac{1}{2}^{\circ}$ W., 66 lks.
dist., mkd. 1/16 S 20 M C B T
Cottonwood, 10 ins. in diam., brs. N. $8\frac{1}{2}^{\circ}$ W., 117 lks.
dist., mkd. 1/16 S 20 M C B T

Enter channel of Verde River, course S.

40.00 Point for 1/16 sec. cor. No. 10 falls in river.

44.60 Leave main channel of Verde River, course S.

Thence over sand bar.

51.00 Enter shallow channel of Verde River, 1 to 2 ft. deep,
course S. 10° W.

Subdivision T. 4 N., R. 7 E.

Chains

60.00 Point for 1/16 sec. cor. No. 11 falls in river.

60.35 Left bank of Verde River, course SW.
get an iron post for M. C. of sec. 20, with brass cap stamped

M C in E. 1/16 in NW.
1911 in S.
S 20 IN E.

Raise mound of stone 2 ft. base, 1½ ft. high, E. of cor.
Begin ascent of steep bluff.

61.50 Top of bluff, brs. NE. and SW.
Thence over rough and broken land, through greasewood brush.

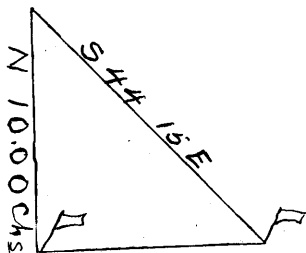
80.00 The 1/16 sec. cor. No. 12 bet. secs. 20 and 21, S½.
Land, river bottom, soil 1st rate, 38.00 chs.
Rough and broken, rocky, 3rd rate, 19.35 chs.
River channel and sand bar, 22.65 chs.
Cottonwood timber, 7.10 chs.
Brush, catclaw and greasewood.

From the ¼ sec. cor. bet. secs. 20 and 21, I run
West on a random line through middle of sec. 20.

20.00 Set temp. 1/16 sec. cor. No. 7.

31.00 get temp. M. C. on left bank of Verde River.

At this point, the river channel is too wide and swift to permit of direct measurement. To determine the distance across I set a flag on line on sand bar West of channel; then measure a base line North, 10.00 chs. to a point from which the flag on right left bank bears S. 44° 15' E. From the flag on left bank, the North end of the base bears N. 44° 15' W. Therefore, the dist. is $\tan. 44^\circ 15' \times \text{base}$, or 0.9742×10.00 equal 9.74 chs., which added to 31.00 chs., makes



40.74 Triangulation point on sand bar.

46.79 Right bank Of Verde River. Set temp. M. C.

60.00 Set temp. 1/16 sec. cor. No. 8.

80.00 Intersect ¼ sec. cor. bet. secs. 19 and 20.

Chains

- Thence I run
East on a true line through middle of sec. 20,
Over smooth land, through brush.
- 12.90 Road hrs. N. 15° E. and S. 15° W.
- 15.90 Abandoned ditch, 15 lks. wide, course S.
Enter river bottom.
- 20.00 Set an iron post for 1/16 sec. cor. No. 8 bet. the NW.
and SW. $\frac{1}{4}$ s of sec. 20, with brass cap stamped
No 8 in E.
1/16 S 20 in center
1911 in S.
Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and
raise mound of earth 3 $\frac{1}{4}$ ft. base, 1 $\frac{1}{4}$ ft. high, N. of cor.
- 29.20 Ditch, 18 lks. wide, course S.
- 33.30 Right bank of Verde River, 6 ft. high, course SE.
Set an iron post for M. C. of sec. 20, with brass cap
stamped
M C in E. 1/16 in NW.
1911 in S.
S 20 in W.
Dig a pit 36x36x12 ins. W. of post 8 ft. dist.; and raise
mound of earth 4 ft. base, 2 ft. high, W. of cor.
Descend river bank; thence over sand bar.
- 34.00 Enter shallow channel of Verde River, 1 to 2 ft. deep,
course S.
- 37.00 Leave shallow channel, course S.
Thence over sand bar.
- 39.80 Enter main channel of Verde River, course S.
- 40.00 Point for C. $\frac{1}{4}$ sec. cor. falls in river.
- 49.00 Left bank of verde River, 4 ft. high, course S. 10° E.
Set an iron post for M. C. of sec. 20, with brass cap
stamped
M C in W. 1/16 in NW.
1911 in S.
S 20 in E.
Dig a pit 36x36x12 ins. 8 ft. E. of post and raise mound
of earth 4 ft. base, 2 ft. high, E. of cor.
Thence over open river bottom land.

Chains

- 60.00 Set an iron post for 1/16 sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{4}$ s of sec. 20, with brass cap stamped
- No 7 in N.
1/16 S 20 in center
1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 61.00 Leave river bottom, brs. N. and S.
begin ascent over rough and broken land.
- 69.00 Dry wash, 18 lks. wide, course SW.
- 80.00 The $\frac{1}{4}$ sec. cor. bet. secs. 20 and 21.
Land, river bottom, 1st rate, 19.40 chs.
Rough and broken, 3rd rate and rocky, 19.00 chs.
Brush, greasewood and catclaw.

- From the 1/16 sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{4}$ s of sec. 20, I run
- S. 0° 1' W. on a true line through the middle of the SE. $\frac{1}{4}$ of sec. 20,
Over level, open bottom land.
- 13.85 Left bank of Verde River, 4 ft. high, course SE.
set an iron post for M. C. of sec. 20, with brass cap stamped
- M C 1911 in S.
1/16 S 20 in N.
- Dig a pit 36x36x12 ins. S ft. N. of post, and raise mound of earth 4 ft. base, 2 ft. high, N. of cor.
- Land, level river bottom.
Soil, 1st rate, sandy loam.
No brush or timber.

- March 9, 1911.

- March 10, 1911, at 7h., a.m., l.m.t., I set off 33° 41' N. on the latitude arc, 4° 20' S. on the declination arc, and determine a meridian with the solar at the 1/16 sec. cor. No. 6 bet. secs. 20 and 21, N $\frac{1}{4}$.
- Thence I run
- West on a random line through N. $\frac{1}{4}$ of sec. 20.
- 20.00 Set temp. 1/16 sec. cor. No. 5.
- 40.00 Set temp. 1/16 sec. cor. No. 4.

Subdivision T. 4 N., R. 7 E.

| | |
|--------|---|
| Chains | |
| 60.00 | Set temp. 1/16 sec. cor. No. 3. |
| 80.00 | fall 12 lks. S. of 1/16 sec. cor. No. 6 bet. secs. 19 and 20, N $\frac{1}{2}$. |
| | Thence I run |
| | S. 89° 55' E. on a true line through N. $\frac{1}{4}$ of sec. 20, |
| | Over smooth land, gradually descending through greasewood brush. |
| 3.00 | Arroyo, 100 lks. wide, course SE. |
| 11.00 | Begin steep descent, brs. N. and S. |
| 11.70 | Foot of descent; enter river bottom, brs. N. and S. |
| | Thence through scattered timber. |
| 16.40 | Abandoned ditch, 16 lks. wide, course S. |
| 20.00 | Set an iron post for 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 20, with brass cap stamped |
| | No 3 in N. 1/6 S 20 in center 1911 in S. |
| | Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| | No B.T.'s available. |
| 22.80 | Ditch, 15 lks. wide, course S. 30° E. |
| 23.70 | Right bank of Verde River, 6 ft. high, course SE. |
| | Set an iron post for M. C. of sec. 20, with brass cap stamped |
| | M C in E. 1/16 in NW. 1911 in S. S 20 in W. |
| | From which - |
| | Cottonwood, 60 ins. in diam., brs. S. 32 $\frac{1}{2}$ ° E., 94 lks. dist., mkd. 1/16 S 20 M C B T |
| | Mesquite, 8 ins. in diam., brs. W. 41 $\frac{1}{2}$ ° W., 57 lks. dist., mkd. 1/16 S 20 M C B T |
| | Descend right bank, and at |
| 23.80 | Enter channel of Verde River, 2 to 3 ft. deep, course S. 15° E. |
| 40.00 | Point for 1/16 sec. cor. No. 4 falls in river. |
| 45.30 | Left bank of Verde River, 14 ft. high. |
| | Set an iron post for M. C. of sec. 20, with brass cap |

Subdivision T. 4 N., R. 7 E.

Chains

stamped

M C in W. 1/16 in NW.
1911 in S.
S 20 in E.

From which -

Mesquite, 10 ins. in diam., brs. N. 2 1/2° E., 99 lks.
dist., mkd. 1/16 S 20 M C B T
Mesquite, 6 ins. in diam., brs. S. 32° 20' E., 20
lks. dist., mkd. 1/16 S 20 M C B T

Thence over level river bottom, through dense mesquite
thicket.

54.00 Leave river bottom and mesquite thicket; begin ascent
brs. N. and S. through greasewood brush.

55.00 Dry wash, 20 lks. wide, course SW.

60.00 Set an iron post for 1/16 sec. cor. No. 5 in the center of
the NE. 1/4 of sec. 20, with brass cap stamped

No 5 in N.
1/16 S 20 in center
1911 in S.

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

77.00 Ridge brs. NE. and SW.

Top of ascent; begin descent.

80.00 The 1/16 sec. cor. No. 5 bet. secs. 20 and 21, N 1/2.

Land, level river bottom, soil 1st rate, 20.70 chs.
Rough and broken, rocky and 3rd rate, 26.00 chs.
Timber, cottonwood and mesquite, 12.70 chs.
Mesquite thicket for 8.70 chs.

from the 1/4 sec. cor. bet. secs. 17 and 20, I run
S. 0° 1' W. on a true line through middle of N. 1/4 of sec.
20,

Over level river bottom, through mesquite thicket.

2.00 Dry wash, 70 lks. wide, course SW.

9.00 Leave mesquite thicket.

10.90 Left bank of Verde River, 14 ft. high, course SE.

Set an iron post for M. C. of sec. 20, with brass cap
stamped

M C 1911 in S.
1/16 S 20 in N.

Subdivision T. 4 N., R. 7 E.

chains

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

Land, level river bottom.
Soil, 1st rate, sandy loam.
Mesquite thicket for 9.00 chs.

from the 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 20, I run

N. 0° 1' E. on a true line through middle of NW. $\frac{1}{4}$ of sec. 20,

Over level land, in open country.

2.00 Ditch, 15 lks. wide, course SE.

4.20 Right bank of Verde River.

set an iron post for M. C. of sec. 20, with brass cap stamped

M C in N. 1/16 in NW.
S 20 1911 in S.

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

Land, level.
Soil, 3rd rate.
No timber.

From the cor. of secs. 16, 17, 20 and 21, I run

N. 0° 1' E. bet. secs. 16 and 17,

descending over rough and broken land, through greasewood brush.

8.00 Arroyo, 15 ft. deep, 30 lks. wide, course W.

19.00 Foot of descent, brs. N. 20° W. and S. 20° E.

20.00 Point for 1/16 sec. cor. No. 12 falls in dry wash, 150 lks. wide, course N. 20° W.

22.00 Set an iron post for W. C. to 1/16 sec. cor. No. 12 bet. secs. 16 and 17, S $\frac{1}{2}$, with brass cap stamped

No 12 in N.
1/16 S 17 in W.
S 16 " E.
W C 1911 " S.

Dig pits 18x18x12 ins. N. and S² of post 3 ft. dist.; and raise mound of earth 3 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

26.00 Dry wash, 20 lks. wide, course W.

Subdivision T. 4 N., R. 7 E.

chains

- 29.00 begin ascent, brs. E. and W.
- 36.50 Ridge brs. E. and W.
Top of ascent; begin descent.
- 40.00 get an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 16 and 17,
with brass cap stamped
- $\frac{1}{4}$ S 17 in W.
8 16 " E.
1911 " S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
After diligent search, find no trace of old cor.
- 52.00 Draw, drains NW.
- 56.00 Dry wash, 50 lks. wide, course W.
Foot of descent; thence over rough land.
- 60.00 Set an iron post for $1/16$ sec. cor. No. 6 bet. secs. 16
and 17, $N\frac{1}{2}$, with brass cap stamped
- No 6 in N.
 $1/16$ S 17 in W.
8 16 " E.
1911 " S.
- Dig pits $18 \times 18 \times 12$ ins. N. and S. of post 3 ft. dist.; and
raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 62.00 Dry wash, 30 lks. wide, course W.
- 65.50 Dry wash, 40 lks. wide, course N. 80° W.
- 66.70 Dry wash, 50 lks. wide, course S. 80° W.
- 73.00 Dry wash, 35 lks. wide, course SW.
- 75.00 Draw, 40 lks. wide, drains SW.
Begin ascent, brs. NE. and SW.
- 80.00 Set an iron post for cor. of secs. 8, 9, 16 and 17, with
brass cap stamped
- T 4 N S 9 in NE. quadrant
R 7 E S 16 " SE. "
8 17 " SW. "
8 8 " NW. "
1911 " N.
- 4 notches on the S. and 4 on the E. edge.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
After diligent search, find no trace of old cor.
- Land, rough and broken.
Soil, 3rd rate and rocky.
Brush, greasewood.
-

Subdivision T. 4 N., R. 7 E.

Chains

March 10, 1911, at the cor. of secs. 8, 9, 16 and 17, I set off $4^{\circ} 17\frac{1}{2}'$ S. on the declination arc, and at 12h. 11m., p.m., 1.m.t., observe the sun on the meridian; the resulting latitude is $33^{\circ} 42'$ N., which is within 1' of the correct latitude.

Thence I run

N. $89^{\circ} 52'$ W. on a random line bet. secs. 8 and 17.

20.00 Set temp. $1/16$ sec. cor. No. 1

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

60.00 Set temp. $1/16$ sec. cor. No. 2.

80.04 Fall 10 lks. N. of temp. cor. of secs. 7, 8, 17 and 18, on sand bar in Verde River.

Thence I run

S. $89^{\circ} 56'$ E. on true line bet. secs. 8 and 17,

Over sand bar.

2.10 Enter channel of Verde River, 3 ft. deep, course SW.

8.00 Leave channel; thence over sand bar.

12.00 Enter shallow channel, 1 to 2 ft. deep, course S.

15.00 Leave shallow channel; thence over sand bar.

18.00 Enter main channel of Verde River, course SW.

20.01 Point for $1/16$ sec. cor. No. 2 bet. secs. 8 and 17, $W\frac{1}{2}$ falls in river, course SW.

27.00 Leave main channel; thence over sand bar.

31.40 Left bank of Verde River, 8 ft. high,

Set an iron post for M. C. of secs. 8 and 17, with brass cap stamped

M C in E.
1911 in S.
T 4 N S 17 in SW. quadrant
 $1/16$ R 7 E S 8 in NW. quadrant
4 notches on the S.

From which -

Cottonwood, 6 ins. in diam., brs. N. 71° E., 78 lks.
dist., mkd. T 4 N R 7 E S 8 M C B T
Cottonwood, 36 ins. in diam., brs. S. 52° E., 42 lks.
dist., mkd. T 4 N R 7 E S 17 M C B T

Thence over level river bottom, through heavy cottonwood timber.

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

Subdivision T. 4 N., R. 7 E.

BOOK 2397

Chains

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

From which -

Ash, 24 ins. in diam., brs. S. $3\frac{1}{2}^{\circ}$ W., 28 lks. dist.,

mkd. $\frac{1}{4}$ S 17 B T
Cottonwood, 24 ins. in diam., brs. N. $40\frac{1}{2}^{\circ}$ W., 38 lks.
dist., mkd. $\frac{1}{4}$ S 8 B T

After diligent search, find no trace of old cor.

- 42.00 Leave river bottom and timber, brs. N. 70° E. and S. 70° W.
Begin ascent over rough land, through greasewood brush.
- 45.00 Dry wash, 10 lks. wide, course SW.
- 46.50 Dry wash, 10 lks. wide, course N.
- 54.60 Dry wash, 20 lks. wide, course NW.
- 60.03 Set an iron post for $1/16$ sec. cor. No. 1 bet. secs. 8 and
17, $S\frac{1}{2}$, with brass cap stamped
No 1 $1/16$ S 8 in N.
S 17 1911 " S.

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

No B.T.'s available.

- 64.00 Top of ascent, brs. NE. and SW.
Thence over rough and broken land.
- 80.04 The cor. of secs. 8, 9, 16 and 17.

Land, river bottom, 10.60 chs. Soil, 1st rate, sandy loam.
Rough and broken, 38.00 chs. 3rd rate and rocky.
Heavy cottonwood timber, 10.60 chs., with a few ash and
mesquite trees.
Brush, greasewood.

March 10, 1911.

March 11, 1911, at 7h., a.m., l.m.t., I set off $33^{\circ} 41'$ N.
on the latitude arc, $3^{\circ} 56'$ S. on the declination arc,
and determine a meridian with the solar at the $1/16$ sec.
cor. No. 12 bet. secs. 16 and 17, $S\frac{1}{2}$.

Thence I run

N. $89^{\circ} 52'$ W. on a random line through S. $\frac{1}{2}$ of sec. 17.

- 20.00 Set temp. $1/16$ sec. cor. No. 11.
- 40.00 Set temp. $1/16$ sec. cor. No. 10.
- 60.00 Set temp. $1/16$ sec. cor. No. 9.
- 80.00 Intersect temp. $1/16$ sec. cor. No. 12 bet. secs. 17 and
18, $S\frac{1}{2}$, on sand bar in Verde River.

Chains

- Thence I run
 S. 89° 52' E. on a true line through S. $\frac{1}{2}$ of sec. 17,
 Over sand bar.
- 1.20 Leave sand bar; enter channel of Verde River, course S.
- 19.00 Leave channel; thence over sand bar.
- 20.00 Left bank of Verde River.
 get an iron post for M. C. and also 1/16 sec. cor. No. 9,
 in the center of the SW. $\frac{1}{4}$ of sec. 17, with brass cap
 stamped
- No 9 in N.
 M C in W. 1/16 in NW.
 1911 in S.
 S 17 in E.
- From which -
- Mesquite, 6 ins. in diam., brs. S. 41 $\frac{1}{2}$ ° E., 92 lks.
 dist., mkd. 1/16 S 17 M C B T
 Mesquite, 6 ins. in diam., brs. N. 9° W., 97 lks.
 dist., mkd. 1/16 S 17 M C B T
- Thence over river bottom land, through timber.
- 40.00 get an iron post for 1/16 sec. cor. No. 10 bet. the SE.
 and SW. $\frac{1}{4}$ s of sec. 17, with brass cap stamped
- No 10 in N.
 1/16 S 17 in center
 1911 in S.
- From which -
- Mesquite, 48 ins. in diam., brs. N. 89 $\frac{1}{2}$ ° E., 60 lks.
 dist., mkd. 1/16 S 17 B T
 Mesquite, 36 ins. in diam., brs. S. 42° E., 48 lks.
 dist., mkd. 1/16 S 17 B T
- 42.00 Leave timber, brs. N. and S.
- 55.00 Leave level river bottom; begin ascent, brs. N. and S.,
 over rolling and rocky land.
- 60.00 Set an iron post for 1/16 sec. cor. No. 11 in the center
 of the SE. $\frac{1}{4}$ of sec. 17, with brass cap stamped
- No 11 in N.
 1/16 S 17 in center
 1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and
 raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 64.00 Dry wash, 200 lks. wide, course SW.
- 79.25 Dry wash, course NW.

Chains

80.00 The 1/16 sec. cor. No. 12 bet. secs. 16 and 17, S $\frac{1}{2}$.

Land, level and rolling.
Soil, 2nd and 3rd rate.
Timber, mesquite, greasewood.

From the $\frac{1}{4}$ sec. cor. bet. secs. 16 and 17, I run
N. 89° 52' W. through the middle of sec. 17.

20.00 get temp. 1/16 sec. cor. No. 7.

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

60.00 Set temp. 1/16 sec. cor. No. 8.

80.00 Intersect temp. $\frac{1}{4}$ sec. cor. bet. secs. 17 and 18, on
sand bar in Verde River.

Thence I run

S. 89° 52' E. on a true line through middle of sec. 17,
Over sand bar.

2.00 Leave sand bar; enter channel of Verde River, course S.

14.20 Leave channel. Left bank of Verde River.

Set an iron post for M. C. of sec. 17, with brass cap
stamped

M C in W. 1/16 in NW.
1911 in S.
S 17 in E.

From which -

Mesquite, 8 ins. in diam., brs. N. 82 $\frac{1}{2}$ ° E., 12 lks.
dist., mkd. 1/16 S 17 M C B T
Mesquite, 12 ins. in diam., brs. S. 22° E., 64 lks.
dist., mkd. 1/16 S 17 M C B T

Thence over river bottom, through timber.

20.00 Set an iron post for 1/16 sec. cor. No. 8 bet. the NW. and
SW. $\frac{1}{8}$ s of sec. 17, with brass cap stamped

No 8 in N.
1/16 S 17 in center
1911 in S.

From which -

Mesquite, 12 ins. in diam., brs. S. 81° E., 25 lks.
dist., mkd. 1/16 S 17 B T
Mesquite, 12 ins. in diam., brs. S. 60° 30' W., 110
lks. dist., mkd. 1/16 S 17 B T

40.00 Set an iron post for C. $\frac{1}{4}$ sec. cor. of sec. 17, with
brass cap stamped

Chains

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

From which -

Mesquite, 12 ins. in diam., brs. N. $63\frac{1}{4}^{\circ}$ E., 22 lks.
dist., mkd. C $\frac{1}{4}$ S 17 B T
Mesquite, 10 ins. in diam., brs. S. $77\frac{1}{2}^{\circ}$ E., 185 lks.
dist., mkd. C $\frac{1}{4}$ S 17 B T
Mesquite, 10 ins. in diam., brs. S. $34\frac{1}{2}^{\circ}$ W., 120 lks.
dist., mkd. C $\frac{1}{4}$ S 17 B T
Mesquite, 12 ins. in diam., brs. N. $6\frac{1}{2}^{\circ}$ W., 44 lks.
dist., mkd. C $\frac{1}{4}$ S 17 B T

48.00 Road brs. NE. and SW. Enter open; leave timber on W. side
of road.

59.00 Leave river bottom; begin ascent, brs. N. and S.

60.00 Set an iron post for 1/16 sec. cor. No. 7 bet. the NE. and
SE. $\frac{1}{4}$ s of sec. 17, with brass cap stamped

No. 7 in N.
1/16 S 17 in center
1911 in S.

From which -

Palo verde, 8 ins. in diam., brs. N. $54\frac{1}{4}^{\circ}$ E., 129 lks.
dist., mkd. 1/16 S 17 B T
Palo verde, 8 ins. in diam., brs. S. $55\frac{1}{2}^{\circ}$ W., 160 lks.
dist., mkd. 1/16 S 17 B T

65.00 wash, 24 lks. wide, course SW.

66.00 game wash, 20 lks. wide, course NW.

67.70 Same wash, 20 lks. wide, course SW.

80.00 The $\frac{1}{4}$ sec. cor. bet. secs. 16 and 17.

Land, level river bottom.
Soil, 1st and 2nd rate.
Mesquite, timber, and scattered palo verde.

From the 1/16 sec. cor. No. 6 bet. secs. 16 and 17, N $\frac{1}{2}$.

I run

N. $89^{\circ} 52'$ W. on a random line through N. $\frac{1}{2}$ of sec. 17.

20.00 Set temp. 1/16 sec. cor. No. 5.

40.00 Set temp. 1/16 sec. cor. No. 4.

60.00 Set temp. 1/16 sec. cor. No. 3.

80.00 Intersect temp. 1/16 sec. cor. No. 6 bet. secs. 17 and 18,

N $\frac{1}{2}$, on sand bar in Verde River.

Thence I run

Subdivision T. 4 N., R. 7 E.

BOOK 2897

Chains

- S. 89° 52' E. on a true line through N. $\frac{1}{4}$ of sec. 17,
Over sand bar.
- 1.50 Leave sand bar; enter channel of Verde River, course S.
- 18.00 Leave channel.
- 18.10 Left bank of Verde River, 8 ft. high.
- Set an iron post for M. C. of sec. 17, with brass cap
stamped
- M C in W. 1/16 in NW.
1911 in S.
S 17 in E.
- From which -
- Mesquite, 10 ins. in diam., brs. N. 67 $\frac{1}{2}$ ° E., 14 lks.
dist., mkd. 1/16 S 17 M C B T
Mesquite, 8 ins. in diam., brs. S. 37° E., 42 lks.
dist., mkd. 1/16 S 17 M C B T
- Thence over river bottom, through timber.
- 20.00 get an iron post for 1/16 sec. cor. No. 3 in the center of
the NW. $\frac{1}{4}$ of sec. 17, with brass cap stamped
- No 3 in N.
1/16 S 17 in center
1911 in S.
- From which -
- Mesquite, 8 ins. in diam., brs. N. 70 $\frac{1}{2}$ ° E., 27 lks.
dist., mkd. 1/16 S 17 B T
Mesquite, 8 ins. in diam., brs. N. 80 $\frac{1}{2}$ ° W., 35 lks.
dist., mkd. 1/16 S 17 B T
- 22.00 Leave mesquite timber, brs. NW. and SE.
- 24.00 Leave river bottom, brs. NW. and SE.
- 40.00 get an iron post for 1/16 sec. cor. No. 4 bet. the NE and
NW. $\frac{1}{4}$ s of sec. 17, with brass cap stamped
- No 4 in N.
1/16 S 17 in center
1911 in S.
- From which -
- Palo verde, 10 ins. in diam., brs. S. 85° E., 25 lks.
dist., mkd. 1/16 S 17 B T
Palo verde, 12 ins. in diam., brs. S. 27° E., 16 lks.
dist., mkd. 1/16 S 17 B T
- 41.00 Dry wash, 26 lks. wide, course SW.
- 60.00 get an iron post for 1/16 sec. cor. No. 5 in the center of
the NE. $\frac{1}{4}$ of sec. 17, with brass cap stamped

Subdivision T. 4 N., R. 7 E.

Chains

No 5 in N.
1/16 S 17 in center
1911 in S.

From which -

Palo verde, 10 ins. in diam., brs. N. $89\frac{1}{2}^{\circ}$ E., 123 lks.
dist., mkd. 1/16 S 17 B T
Palo verde, 12 ins. in diam., brs. S. $9\frac{1}{4}^{\circ}$ E., 16 lks.
dist., mkd. 1/16 S 17 B T

80.00 The 1/16 sec. cor. No. 6 bet. secs. 16 and 17, N $\frac{1}{2}$.

Land, 1st and 2nd rate. River bottom, 5.90 chs.
Rough and broken, 56.00 chs.
Scattered palo verde timber, 58.00 chs. Mesquite, 3.90 chs.

From the 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$
of sec. 17, I run

N. $0^{\circ} 1'$ E. on a true line through middle of NW. $\frac{1}{4}$ of sec.
17,

Over level river bottom, through mesquite timber.

4.00 Leave timber, brs. E. and W.

Thence over open river bottom.

7.55 Left bank of Verde River, 16 ft. high.

Set an iron post for M. C. of sec. 17, with brass cap
stamped

M C in N. 1/16 in NW.
S 17 1911 in S.

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

Land, level river bottom.
Soil, 1st rate.
Mesquite timber for 4.00 chs.

March 11, 1911, at the cor. of secs. 8, 9, 16 and 17, I
set off $3^{\circ} 54'$ S. on the declination arc, and at 12h.
10m., p.m., l.m.t., observe the sun on the meridian; the
resulting latitude is $33^{\circ} 42'$ N., which is within 1' of
the correct latitude.

Thence I run

N. $0^{\circ} 1'$ E. bet. secs. 8 and 9

Over rough, mountainous land.

10.00 begin ascent, brs. NE. and SW.

17.00 Ridge brs. E. and W.

Top of ascent; begin descent.

Subdivision T. 4 N., R. 7 E.

BOOK 2397

Chains

- 20.00 Set an iron post for $1/16$ sec. cor. No. 12 bet. secs. 8 and 9, $S\frac{1}{2}$, with brass cap stamped
- No 12 in N.
 $1/16$ S 8 in W.
 S 9 " E.
 1911 " S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 21.00 Foot of descent, brs. E. and W. Thence over rough land.
- 25.50 Arroyo, 45 ft. deep, 30 lks. wide, course W.
- 34.00 Begin descent, brs. E. and W.
- 36.00 Dry wash, 30 lks. wide, course W.
- Foot of descent; begin ascent, brs. E. and W.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9, with brass cap stamped
- $\frac{1}{4}$ S 8 in W.
 S 9 " E.
 1911 " S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- From this point, the old cor. brs. S. $27\frac{1}{2}^{\circ}$ W., 402 lks. dist. I destroy all trace of this old cor.
- 44.00 Ridge, brs. E. and W.
- Top of ascent; begin descent.
- 54.00 Dry wash, 20 lks. wide, course NW.
- Foot of descent; begin ascent.
- 60.00 Set an iron post for $1/16$ sec. cor. No. 6 bet. secs. 8 and 9, $N\frac{1}{2}$, with brass cap stamped
- No 6 in N.
 $1/16$ S 8 in W.
 S 9 " E.
 1911 " S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 61.00 Dry wash, 60 lks. wide, course SW.
- 63.00 Begin steep ascent.
- 70.00 Ridge, brs. E. and W.
- Top of ascent; begin descent.
- 72.00 Foot of descent, brs. E. and W.
- 75.00 Dry wash, 30 lks. wide, course W.
- 77.00 Begin ascent, brs. E. and W.

Chains

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

T 4 N S 4 in NE. quadrant
R 7 E S 9 " SE. "
S 8 " SW. "
S 5 " NW. "
1911 " S.

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

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

Land, rough and broken.

Soil, 4th rate.

A few scattered palo verde trees along line, none available for B.T.'s.

N. $89^{\circ} 56'$ W. on a true line bet. secs. 5 and 8,

Over rough and broken land, descending S. slope of ridge.

6.20 Foot of descent, brs. NW. and SE.

6.40 Dry wash, 38 lks. wide, course NW.

6.90 Enter river bottom, brs. NW. and SE.

10.90 Left bank of Verde River, 6 ft. high, course S.

Set an iron post for M. C. of secs. 5 and 8, with brass
cap stamped

M C in W.
1911 in S.
T 4 N S 5 in NE. quadrant
R 7 E S 5 " SW. "

Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

No B.T.'s available.

11.00 Enter channel of Verde River, course S.

20.00 Point for $1/16$ sec. cor. No. 1 bet. secs. 5 and 8, $E\frac{1}{2}$,
falls in river.

28.90 Right bank of Verde River, 8 ft. high, course S. 15° W.
Set an iron post for M. C. of secs. 5 and 8, with brass
cap stamped

M C in E.
1911 in S.
T 4 N S 8 in SW. quadrant
R 7 E S 5 " NW. "
5 notches on the S.

From which-

Mesquite, 12 ins. in diam., brs. N. 2° E., 56 lks.
dist., mkd. T 4 N R 7 E S 5 M C B T
Catalaw, 10 ins. in diam., brs. S. 60° W., 6 lks.
dist., mkd. T 4 N R 7 E S 8 M C B T

Chains

Thence over river bottom, through timber.

34.00 Leave river bottom and mesquite timber, brs. NE. and SW.

Begin gradual ascent through scattered palo verde and ironwood timber, and greasewood brush.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8, with brass cap stamped

$\frac{1}{4}$ S 5 in N.
S 8 1911 in S.

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

No B.T.'s available.

47.00 Dry wash, 8 lks. wide, course SE.

49.10 Intersect North bdy. of old Camp McDowell Reservation, at a point from which the $1\frac{1}{2}$ M. P. brs. S. $80^{\circ} 19'$ W., 18.37 chs. dist.

Set an iron post for C. C. of secs. 5 and 8, with brass cap stamped

C C in E.
1911 in S.
T 4 N S 5 in NE. quadrant
R 7 E S 8 " SE. "
5 notches on the S. and 1 on the N. edge.

From which -

Palo verde, 6 ins. in diam., brs. N. $89\frac{1}{4}^{\circ}$ E., 114 lks. dist., mkd. T 4 N R 7 E S 5 C C B T
Palo verde, 8 ins. in diam., brs. S. $8\frac{1}{4}^{\circ}$ E., 185 lks. dist., mkd. T 4 N R 7 E S 8 C C B T

Land, rough and broken, 6.90 chs.

River bottom, 9.10 chs.

Smooth slope, 15.10 chs.

Soil, 1st to 3rd rate.

Timber, mesquite, palo verde and ironwood.

Brush, greasewood and catclaw.

- March 11, 1911.

March 13, 1911, at 8h., a.m., l.m.t., I set off $33^{\circ} 42'$ N. on the latitude arc, $3^{\circ} 9'$ S. on the declination arc, and determine a meridian with the solar at the $1/16$ sec. cor. No. 12 bet. secs. 8 and 9, $8\frac{1}{2}$.

Thence I run

N. $89^{\circ} 56'$ W. on a random line through S. $\frac{1}{4}$ of sec. 8.

20.00 Set temp. $1/16$ sec. cor. No. 11.

40.00 Set temp. $1/16$ sec. cor. No. 10.

Subdivision T. 4 N., R. 7 E.

Chains

- 60.00 Set temp. 1/16 sec. cor. No. 9.
- 80.00 Intersect the 1/16 sec. cor. No. 12 bet. secs. 7 and 8, S $\frac{1}{2}$.
Thence I run
S. 89° 56' E. on a true line through S. $\frac{1}{4}$ of sec. 8,
Over level river bottom,
Through dense mesquite thicket.
- 14.60 Road brs. N. and S.
- 18.00 Leave mesquite thicket.
- 19.20 Right bank of Verde River, 10 ft. high, course S. 50° W.
Set an iron post for M. C. of sec. 8, with brass cap
stamped
M C in E. 1/16 in NW.
1911 in S.
S S in W.
Dig a pit 36x36x12 ins. 8 ft. W. of post and raise mound
of earth 4 ft. base, 2 ft. high, W. of cor.
No B.T.'s available.
- 19.35 Enter channel Verde River, 3 ft. deep, course SW.
- 20.00 Point for 1/16 sec. cor. No. 9 falls in river.
- 35.00 Leave main channel of Verde River; thence over sand bar.
- 38.70 Left bank of Verde River, 6 ft. high.
Set an iron post for M. C. of sec. 8, with brass cap
stamped
M C in W. 1/16 in NW.
1911 in S.
S S in E.
From which -
Mesquite, 10 ins. in diam., brs. S. 71° E., 45 lks.
dist., mkd. 1/16 S S M C B T
Mesquite, 6 ins. in diam., brs. S. 40° E., 36 lks.
dist., mkd. 1/16 S S M C B T
Thence over level river bottom,
Through mesquite timber and brush.
- 40.00 Set an iron post for 1/16 sec. cor. No. 10 bet. the SE.
and SW. $\frac{1}{4}$ s of sec. 8, with brass cap stamped
No 10 in N.
1/16 S S in center
1911 in S.
From which -
Mesquite, 10 ins. in diam., brs. N. 38 $\frac{1}{2}$ ° E., 63 lks.

Subdivision T. 4 N., R. 7 E.

Chains

dist., mkd. 1/16 S S B T
 Mesquite, 10 ins. in diam., brs. S. 32° W., 104 lks.
 dist., mkd. 1/16 S S B T

56.00 Leave timber, brs. N. and S.

Thence through greasewood brush.

59.50 Leave river bottom, brs. NE. and SW.

Begin ascent over rough and broken land.

60.00 Set an iron post for 1/16 sec. cor. No. 11 in the center
 of the SE. $\frac{1}{4}$ of sec. 8, with brass cap stamped

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

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

No B.T.'s available.

66.00 Dry wash, 20 lks. wide, course SW.

72.00 Dry wash, 25 lks. wide, course SW.

80.00 The 1/16 sec. cor. No. 12 bet. secs. 8 and 9, S $\frac{1}{2}$.

Land, river bottom, 31.00 chs.

Rough and broken, 20.50 chs.

Soil, 1st rate in river bottom; 3rd rate in rough land.
 Timber, mesquite.

Dense mesquite thicket for 18.00 chs.

From the 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s
 of sec. 8, I run

N. 80° 1' E. on a true line through middle of S. $\frac{1}{2}$ of sec.

S, over level land,

Through mesquite timber and brush.

1.10 Left bank of Verde River, 8 ft. high.

Set an iron post for M. C. of sec. 8, with brass cap
 stamped

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

From which -

Mesquite, 10 ins. in diam., brs. S. 36 $\frac{1}{2}$ ° E., 72
 lks. dist., mkd. 1/16 S S M C B T

Mesquite, 9 ins. in diam., brs. S. 7° W., 17 lks.
 dist., mkd. 1/16 S S M C B T

Land, level.

Soil, 1st rate.

Timber, mesquite.

Subdivision T. 4 N., R. 7 E.

Chains

- From the $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9, I run
N. $89^{\circ} 56'$ W. on a random line through middle of sec. 8.
- 20.00 Set temp. $1/16$ sec. cor. No. 7.
- 40.00 Point for temp. C. $\frac{1}{4}$ sec. cor. falls in channel of river.
- 60.00 Set temp. $1/16$ sec. cor. No. 8.
- 80.00 Fall 14 lks. S. of $\frac{1}{4}$ sec. cor. ~~XXX~~ bet. secs. 7 and 8.
Thence I run
S. $89^{\circ} 50'$ E. on a true line through middle of sec. 8,
Over level, river bottom, through timber.
- 2.00 Dry wash, 40 lks. wide, course SE.
- 20.00 Set an iron post for $1/16$ sec. cor. No. 8 bet. the NW and
SW. $\frac{1}{4}$ s of sec. 8, with brass cap stamped
- No 8 in N.
 $1/16$ S 8 in center
1911 in S.
- From which -
- Mesquite, 10 ins. in diam., brs. S. $47\frac{1}{2}^{\circ}$ W., 80 lks.
dist., mkd. $1/16$ S 8 B T
Mesquite, 16 ins. in diam., brs. N. $55\frac{1}{2}^{\circ}$ W., 98 lks.
dist., mkd. $1/16$ S 8 B T
- 21.00 Road brs. N. and S.
- 34.00 Leave timber brs. NE. and SW.
- 35.50 Right bank of Verde River, 8 ft. high, course S. 20° W.
Set an iron post for M. C. of sec. 8, with brass cap
stamped
- M C in E. $1/16$ in NW.
1911 in S.
S 8 in W.
- Dig a pit $36 \times 36 \times 12$ ins. 8 ft. W. of post and raise mound
of earth 4 ft. base, 2 ft. high, W. of cor.
- No B.T.'s available.
- 35.60 Enter channel of Verde River, course SW.
- 40.00 Point for C. $\frac{1}{4}$ sec. cor. of sec. 8 falls in river channel.
- 47.00 Leave river channel; thence over sand bar.
- 56.00 Enter shallow channel, about 1 ft. deep, course SW.
- 59.75 Leave shallow channel; thence over sand bar.
- 60.00 Left bank of Verde River, 10 ft. high.
Set an iron post for M. C. and also $1/16$ sec. cor. No. 7

Chains

of sec. 8, with brass cap stamped

M C in W. 1/16 in NW.
No 7 in N.
S S in center
1911 in S.

From which -

Mesquite, 8 ins. in diam., brs. N. $48\frac{1}{2}^{\circ}$ E., 15 lks.
dist., mkd. 1/16 S S M C B T
Mesquite, 12 ins. in diam., brs. S. 73° E., 14 lks.
dist., mkd. 1/16 S S M C B T

Thence over level ~~land~~ river bottom, through mesquite timber and brush.

62.00 Leave river bottom and timber and brush, brs. N. and S.
Begin ascent of rough and mountainous land.

64.40 Draw, 20 lks. wide, course S.

72.00 Draw, 25 lks. wide, course SW.

80.00 The $\frac{1}{2}$ sec. cor. bet. secs. 8 and 9.

Land, river bottom, level, 37.50 chs.
Rough and mountainous, 18.00 chs.
Soil, 1st to 3rd rate.
Timber, mesquite for 36.50 chs.
Brush, mesquite, catalaw, and greasewood.

March 13, 1911: Cloudy at noon; no observation for latitude.

From the 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 8, I run

S. 0° 1' W. on a true line through the middle of the SW. $\frac{1}{4}$ of sec. 8,

Over level river bottom, through timber and brush.

16.20 Road brs. NE. and SW.

19.34 Right bank of Verde River, 10 ft. high, course SW.

get an iron post for M. C. of sec. 8, with brass cap stamped

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

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

No B.T.'s available.

Land, level river bottom.
Soil, 1st rate.

Subdivision T. 4 N., R. 7 E.

BOOK 2397

Chains

Scattered mesquite timber and dense mesquite and catclaw underbrush.

-
- From the 1/16 sec. cor. No. 6 bet. secs. 8 and 9 $N\frac{1}{2}$,
I run
N. $89^{\circ} 56'$ W. on a random line through the $N\frac{1}{2}$ of sec. 8.
- 20.00 Point for 1/16 sec. cor. No. 5 falls in river channel.
- 40.00 Set temp. 1/16 sec. cor. No. 4.
- 60.00 Set temp. 1/16 sec. cor. No. 3.
- 80.00 Fall 2 lks. N. of 1/16 sec. cor. No. 6 bet. secs. 7 and 8,
 $N\frac{1}{2}$.
- Thence I run
S. $89^{\circ} 57'$ E. on a true line through $N\frac{1}{2}$ of sec. 8,
Over smooth land, descending,
Through scattered palo verde trees and greasewood.
- 20.00 Set an iron post for 1/16 sec. cor. No. 3 in the center of
the NW. $\frac{1}{4}$ of sec. 8, with brass cap stamped
No 3 in N.
1/16 S S in center
1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and
raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- NO B.T.'s available.
- 21.00 Dry wash, 15 lks. wide, course SE.
- 24.80 Road brs. N. and S.
Enter mesquite timber on E. side of road.
- 30.00 Enter river bottom, brs. NE. and SW.
- 40.00 Set an iron post for 1/16 sec. cor. No. 4 ^{bet.} in the NE. and
NW. $\frac{1}{4}$ s of sec. 8, with brass cap stamped
No 4 in N.
1/16 S S in center
1911 in S.
- From which -
Mesquite, 12 ins. in diam., brs. S. $64\frac{1}{2}^{\circ}$ W., 110 lks.
dist., mkd. 1/16 S S B T
Mesquite, 6 ins. in diam., brs. N. $6\frac{1}{2}^{\circ}$ W., 133 lks.
dist., mkd. 1/16 S S B T
- 44.80 Right bank of Verde River, 8 ft. high, course SW.

Chains

Set an iron post for M. C. of sec. 8, with brass cap stamped

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

From which -

Mesquite, 15 ins. in diam., brs. S. $53\frac{1}{2}^{\circ}$ W., 65 lks.
dist., mkd. 1/16 S S M C B T

Mesquite, 24 ins. in diam., brs. N. $8\frac{1}{2}^{\circ}$ W., 37 lks.
dist., mkd. 1/16 S S M C B T

45.00 Enter channel of Verde River, course S. 15° W.

60.00 Point for 1/16 sec. cor. No. 5 falls in river channel.

67.14 Left bank of Verde River, 10 ft. high, course S. 10° W.

Set an iron post for M. C. of sec. 8, with brass cap stamped

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

From which -

Mesquite, 12 ins. in diam., brs. N. 38° E., 16 lks.
dist., mkd. 1/16 S S M C B T

Mesquite, 10 ins. in diam., brs. S. $34\frac{1}{2}^{\circ}$ E., 26 lks.
dist., mkd. 1/16 S S M C B T

Thence over river bottom, through mesquite timber.

69.00 Leave timber, brs. N. and S., and river bottom.

Begin ascent of rough land, brs. N. and S.

80.00 The 1/16 sec. cor. No. 6 bet. secs. 8 and 9, $N\frac{1}{2}$.

Land river bottom, level, 16.66 chs.

Rough and broken, 11.00 chs.

Soil, 1st and 3rd rate.

Timber, mesquite and palo verde.

Brush, greasewood.

From the 1/16 sec. cor. No. 4 bet. the NE. and NW. $\frac{1}{4}$ s of
sec. 8, I run

S. 0° 1' W. on a true line through middle of N. $\frac{1}{2}$ of sec. 8

Over level river bottom, through timber.

10.90 Right bank of verde River, 8 ft. high, course SW.

Set an iron post for M. C. of sec. 8, with brass cap stamped

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

Subdivision T. 4 N., R. 7 E.

Chains

From which -

Mesquite, 7 ins. in diam., brs. N. 15° E., 80 lks.
 dist., mkd. 1/16 S S M C B T
 Mesquite, 8 ins. in diam., brs. S. 88° W., 30 lks.
 dist., mkd. 1/16 S S M C B T

Land, level river bottom.
 Soil, 1st rate.
 Timber, mesquite.

From the 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$
 of sec. 8, I run

N. 0° 1' E. on a true line through middle of the NW. $\frac{1}{4}$ of
 sec. 8,

Over smooth land, through greasewood brush and scattered
 palo verde trees.

18.00 Intersect North bdy. of the old Camp McDowell Reservation,
 at a point from which the 1 M.P. brs. S. 80° 19' W.,
 7.27 chs. dist.

Set an iron post for 1/16 C. C. of sec. 8, with brass cap
 stamped

1/16 in NW.
 C C S S 1911 in S.

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

No B.T.'s available.

Land, smooth.

Soil, 2nd rate.

Greasewood brush and scattered palo verde trees.

From the cor. of secs. 4, 5, 8 and 9, I run

N. 0° 1' E. bet. secs. 4 and 5,

Ascending steep slope.

6.00 Ridge brs. E. and W.

Top of ascent; begin descent.

8.50 Intersect North bdy. of old Camp McDowell Reservation, at
 a point from which the 2 $\frac{1}{2}$ M. P. brs. N. 80° 20' E.,
 11.80 chs. dist.

Set an iron post for C. C. of secs. 4 and 5, with brass
 cap stamped

Subdivision T. 4 N., R. 7 E.

Chains

C C 1911 in S.
 T 4 N S 5 in SW. quadrant
 R 7 E S 4 " SE. "
 2 notches on the W. and 4 on the E. edge.

Dig pits 24x18x12 ins. E. and W. of post on line 3 ft. dist., and S. of post 7 ft. dist., and raise mound of earth 4 ft. base, 2 ft. high, S. of cor.

Land, smooth.
 Soil, 2nd rate.
 Greasewood brush.

From the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8, I run
 N. $0^{\circ} 1'$ E. on a true line through the middle of sec. 5,
 Over smooth land,
 Through scattered palo verde trees.

1.53 Intersect North bdy. of old Camp McDowell Reservation, at
 a point from which the $1\frac{1}{2}$ M. P. brs. S. $80^{\circ} 19'$ W.,
 27.51 chs. dist.

set an iron post for $\frac{1}{4}$ C. C. of sec. 5, with brass cap
 stamped

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

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

No B.T.'s available.

Land, smooth.
 Soil, 2nd rate.
 Greasewood brush.

- March 13, 1911.

March 14, 1911, at 8h., a.m., l.m.t., I set off $33^{\circ} 38'$ N. on the latitude arc, $2^{\circ} 46'$ S. on the declination arc, and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the tp., previously described.

Thence I run

N. $0^{\circ} 2'$ E. bet. secs. 33 and 34,

Over rough and broken land, ascending,

Through greasewood brush.

3.30 Ridge, brs. NW. and SE.

Top of ascent; begin descent.

6.00 Foot of descent, brs. NW. and SE. Enter bottom land.

Subdivision T. 4 N., R. 7 E.

Chains

- 17.00 Left bank of Sycamore wash, 4 ft. high, course SW.
Set an iron post for M. C. of secs. 33 and 34, with brass cap stamped
- M C in N.
1911 in S.
T 4 N S 33 in SW. quadrant
R 7 E S 34 " SE. "
3 notches on the E. edge.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
Enter Sycamore wash, about 1 ft. deep, course SW.
- 20.00 Set temp. $1/16$ sec. cor. No. 12 bet. secs. 33 and 34, $8\frac{1}{2}$,
in bed of wash.
Thence over bed of wash.
- 21.00 Ford across wash, brs. E. and W.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor. bet. secs. 33 and 34, in bed of
Sycamore wash.
- 44.30 Leave channel of Sycamore Wash; thence over sand bar.
- 45.20 Right bank of Sycamore Wash, 8 ft. high, course S. 10° W.
set an iron post for M. C. of secs. 33 and 34, with brass cap stamped
- M C 1911 in S.
T 4 N S 34 in NE. quadrant
R 7 E S 33 " NW. "
3 notches on the E. edge.
- From which -
- Palo verde, 10 ins, in diam., brs. N. $41\frac{1}{4}^\circ$ E., 86 lbs.
dist., mkd. T 4 N R 7 E S 34 M C B T
Mesquite, 12 ins. in diam., brs. N. $22\frac{1}{2}^\circ$ W., 20 lbs.
dist., mkd. T 4 N R 7 E S 33 M C B T
- Thence over rough land, ascending, through scattered trees.
- 53.20 Right bank of Sycamore Wash, 20 ft. high, course S. 10° E.
set an iron post for M. C. of secs. 33 and 34, with brass cap stamped
- M C in N.
1911 in S.
T 4 N S 33 in SW. quadrant
R 7 E S 34 " SE. "
3 notches on the E. edge.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
- 53.50 Foot of high bank. Enter channel of Sycamore Wash, 1 to

Subdivision T. 4 N., R. 7 E.

chains

2 ft. deep, course S. 10° E.

60.00 Set temp. 1/16 sec. cor. No. 6 bet. secs. 33 and 34, $\frac{1}{4}$,
in bed of wash.

68.00 Mouth of arroyo, 8 ft. deep, 20 lks. wide, course SE.

69.70 Top of right bank of Sycamore Wash, course S. 10° W.

Set an iron post for M. C. of secs. 33 and 34, with brass
cap stamped

M C 1911 in S.
T 4 N S 34 in NE. quadrant
R 7 E S 35 " NW. "
3 notches on the E. edge.

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

Thence over rough and broken land.

80.00 get an iron post for cor. of secs. 27, 28, 33 and 34,
with brass cap stamped

T 4 N S 27 in NE. quadrant
R 7 E S 34 " SE. "
S 33 " SW. "
S 28 " NW. "
1911 " S.

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

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

No B.T.'s available.

Land, rough and broken, 40.80 chs. Bottom land, 11.00 chs.
Soil, mostly 3rd rate.
Timber, scattered palo verde and ironwood trees, hardly
thick enough to be called timber.
Brush, greasewood.

West on a random line bet. secs. 28 and 33.

20.00 Set temp/ 1/16 sec. cor. No. 1 bet. secs. 28 and 33, $\frac{1}{4}$.

40.00 Set temp. ~~2/16~~ $\frac{1}{4}$ sec. cor. bet. secs. 28 and 33.

60.00 get temp. 1/16 sec. cor. No. 2 bet. secs. 28 and 33, $\frac{1}{4}$.

80.04 Fall 6 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence I run

S. 89° 57' E. on a true line bet. secs. 28 and 33,

Over rough and broken land,

Through greasewood brush.

8.00 Dry wash, 30 lks. wide, course S. 30° W.

20.01 Set an iron post for 1/16 sec. cor. No. 2 bet. secs. 28

Subdivision T. 4 N., R. 7 E.

BOOK 2397
BOOK 2397

BOOK 2397

Chains

and 33, $W\frac{1}{2}$, with brass cap stamped

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

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

34.00 Dry wash, 40 lks. wide, course SW.

40.02 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 28 and 33,
with brass cap stamped

$\frac{1}{4}$ S 28 in N.
S 33 1911 in S.

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

After diligent search, find no trace of old cor.

Begin steep ascent, brs. NE. and SW.

55.50 Ridge, brs. NE. and SW.

Top of ascent; begin descent.

60.03 Set an iron post for $1/16$ sec. cor. No. 1 bet. secs. 28
and 33, $E\frac{1}{2}$, with brass cap stamped

No 1 $1/16$ S 28 in N.
S 33 1911 in S.

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

72.00 Dry wash, 30 lks. wide, course S. 30° E.

77.00 Road brs. NE. and SW.

80.04 The cor. of secs. 27, 28, 33 and 34.

Land, rough and broken.
Soil, rocky and 3rd rate.
Brush, greasewood.

From temp. $1/16$ sec. cor. No. 12 bet. secs. 33 and 34, $S\frac{1}{2}$,
in bed of Sycamore wash, I run

West on a random line through S. $\frac{1}{2}$ of sec. 33.

20.00 Set temp. $1/16$ sec. cor. No. 11.

40.00 Set temp. $1/16$ sec. cor. No. 10.

60.00 Set temp. $1/16$ sec. cor. No. 9.

80.00 Intersect temp. $1/16$ sec. cor. No. 12 bet. secs. 32 and
33, $S\frac{1}{2}$.

Thence I run

East on a true line through mt S. $\frac{1}{2}$ of sec. 33.

Subdivision T. 4 N., R. 7 E.

Chains

- Over level mesa, through brush.
- 4.00 Arroyo, 10 ft. deep, 40 lks. wide, course SW.
- 20.00 Set an iron post for 1/16 sec. cor. No. 9 in the center of the SW. $\frac{1}{4}$ of sec. 33, with brass cap stamped
- No 9 in N.
1/16 S 33 in center
1911 in S.
- Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 30.80 Begin descent from mesa, brs. NE. and SW.
- 32.00 Foot of descent. Enter bottom land, covered with dense brush, brs. NE. and SW. This land subject to overflow.
- 40.00 Set an iron post for 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{8}$ s of sec. 33, with brass cap stamped
- No 10 in N.
1/16 S 33 in center
1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 46.50 Dry wash, 45 lks. wide, course SW.
- 60.00 Set an iron post for 1/16 sec. cor. No. 11 in the center of the SE. $\frac{1}{4}$ of sec. 33, with brass cap stamped
- No 11 in N.
1/16 S 33 in center
1911 in S.
- Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 60.40 Right bank of Sycamore wash, 4 ft. high.
- Set an iron post for M. C. of sec. 33, with brass cap stamped
- M C in E. 1/16 in NW.
1911 in S.
S 33 in W.
- Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- Enter Sycamore wash, about 1 ft. deep.
- 80.00 Temp. 1/16 sec. cor. No. 12 bet. secs. 33 and 34, S $\frac{1}{4}$.
- Land, mesa, 32.00 chs. Bottom land subject to overflow, 28.40 chs.
Soil, 3rd rate on mesa, 1st rate in bottom.
Brush, greasewood and dense tesota and arrow weed for 28.40 chs. in bottom.
-

Subdivision T. 4 N., R. 7 E.

Chains

- From the 1/16 sec. cor. No. 11 in the center of the SE. $\frac{1}{4}$ of sec. 33, I run
- S. 0° 1' W. on a random line through middle of the SE. $\frac{1}{4}$ of sec. 33.
- 20.00 Intersect 1/16 sec. cor. No. 1 bet. secs. 4 and 33, E $\frac{1}{4}$, on the S. bdy. of the tp., previously described.
- Thence I run
- N. 0° 1' E. on a true line through middle of the SE. $\frac{1}{4}$ of sec. 33,
- descending over rough and broken land.
- 8.00 Arroyo, 10 ft. deep, 30 lks. wide, course NW.
- 11.00 Left bank of Sycamore wash, course SW.
- Set an iron post for N. C. of sec. 33, with brass cap stamped
- N C in N. 1/16 in NW.
S 33 1911 in S.
- Dig a pit 36x36x12 ins. 8 ft. S. of post and raise mound of earth 4 ft. base, 2 ft. high, S. of cor.
- 11.20 Foot of descent; enter ^{channel} end of wash, course SW.
- 19.50 Leave channel.
- 19.60 Right bank of Sycamore wash, 4 ft. high.
- Set an iron post for N. C. of sec. 33, with brass cap stamped
- N C 1911 in S.
1/16 S 33 in N.
- Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 20.00 The 1/16 sec. cor. No. 11 in the center of the SE. $\frac{1}{4}$ of sec. 33.
- Land, rough and broken, 11 chs. Bottom land, 40 lks.
Channel, 8.60 chs.
Soil, 1st to 3rd rate.
Brush, greasewood and tesota.
-
- From the 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 33, I run
- S. 0° 1' W. on a true line through middle of S. $\frac{1}{4}$ of sec. 33,

Subdivision T. 4 N., R. 7 E.

Chains

Over level bottom land, subject to overflow,
Through dense tesota and arrowweed brush.

8.50 Dry wash, 50 lks. wide, course SW.

15.20 Right bank of Sycamore wash, 2 ft. high, course W.

Set an iron post for M. C. of sec. 33, with brass cap
stamped

M C 1911 in S.
1/16 S 33 in N.

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

Soil, 1st rate, sandy loam. Land, bottom.
Brush, dense tesota and arrowweed.

From the 1/16 sec. cor. No. 9 in the center of the SW. ¼
of sec. 33, I run

S. 0° 1' W. on a true line through the middle of the SW.
¼ of sec. 33,

Over level mesa.

14.80 Begin descent from mesa, brs. NE. and SW.

15.90 Foot of descent; enter bottom land, brs. NE. and SW.

16.00 Right bank of Sycamore wash, 3 ft. high, course SW.
Set an iron post for M. C. of sec. 33, with brass cap
stamped

M C 1911 in S.
1/16 S 33 in N.

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

Land, mesa, 15.90 chs.
Soil, 2nd rate.
Brush, greasewood.

March 14, 1911, at the above M. C., I set off 2° 43' S.
on the declination arc, and at 12h. 10m., p.m., l.m.t.,
observe the sun on the meridian; the resulting latitude
is 33° 38' N., which is within 1' of the correct lati-
tude.

From the temp. ¼ sec. cor. bet. secs. 33 and 34, in bed
of Sycamore wash, I run

West on a random line through middle of sec. 33.

20.00 get temp. 1/16 sec. cor. No. 7.

40.00 Set temp. C. ¼ sec. cor.

Subdivision T. 4 N., R. 7 E.

Chains

- 60.00 Set temp. 1/16 sec. cor. No. 8.
- 80.00 Intersect $\frac{1}{4}$ sec. cor. bet. secs. 32 and 33.
- Thence I run
- East on a true line through middle of sec. 33,
Over mesa, through scattered brush.
- 8.50 Road brs. N. 60° E. and S. 60° W.
- 18.50 Dry wash, 15 lks. wide, course SW.
- 20.00 Set an iron post for 1/16 sec. cor. No. 8 bet. the NW. and
SW. $\frac{1}{4}$ s of sec. 33, with brass cap stamped
- No 8 in N.
1/16 S 33 in center
1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and
raise 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 C. $\frac{1}{4}$ sec. cor. of sec. 33, with brass
cap stamped
- C $\frac{1}{4}$ S 33 in center
1911 in S.
- Dig pits 18x18x12 ins. E., S. and W. 3 ft., and N. of post
7 ft. dist., and raise mound of earth 4 ft. base, 2 ft.
high, N. of cor.
- 46.00 Arroyo, 40 ft. deep, 200 lks. wide, course S.
- 60.00 Set an iron post for 1/16 sec. cor. No. 7 bet. the NE. and
SE. $\frac{1}{4}$ s of sec. 33, with brass cap stamped
- No 7 in N.
1/16 S 33 in center
1911 in S.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and
raise mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 60.80 Arroyo, 25 ft. deep, 40 lks. wide, course SW.
- 69.50 Dry wash, 20 lks. wide, course S.
- 71.00 Right bank of Sycamore wash, 25 ft. high, course S. 60° W.
set an iron post for M. C. of sec. 33, with brass cap
stamped
- M C in E. 1/16 in NW.
1911 in S.
S 33 in E.
- Raise mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
ascend steep bank to bed of xxx wash.

| Chains | |
|--------|--|
| 80.00 | Temp. $\frac{1}{4}$ sec. cor. bet. secs. 33 and 34, in bed of Sycamore wash. Land, level mesa and bed of wash. Soil, 2nd rate. Brush, greasewood. |
| ----- | |
| | From the temp. $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 33 and 34, $N\frac{1}{2}$, I run |
| | West on a random line through N. $\frac{1}{2}$ of sec. 33. |
| 20.00 | Set temp. $\frac{1}{16}$ sec. cor. No. 5. |
| 40.00 | Set temp. $\frac{1}{16}$ sec. cor. No. 4. |
| 60.00 | Set temp. $\frac{1}{16}$ sec. cor. No. 3. |
| 80.00 | Intersect $\frac{1}{16}$ sec. cor. No. 6 bet. secs. 32 and 33, $N\frac{1}{2}$. |
| | Thence I run |
| | East on a true line through N. $\frac{1}{2}$ of sec. 33, |
| | Along N. slope of mesa, gradually ascending over rough and broken land. |
| 20.00 | Set an iron post for $\frac{1}{16}$ sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 33, with brass cap stamped |
| | No 3 in N. $\frac{1}{16}$ S 33 in center 1911 in S. |
| | Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. |
| 25.00 | Top of ascent; thence over mesa. |
| | $\frac{1}{16}$ |
| 40.00 | Set an iron post for $\frac{1}{16}$ sec. cor. No. 4 bet. the NE. and NW. $\frac{1}{4}$ s of sec. 33, with brass cap stamped |
| | No 4 in N. $\frac{1}{16}$ S 33 in center 1911 in S. |
| | Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. |
| 44.50 | Dry wash, 20 lks. wide, course S. |
| 54.00 | Road brs. NE. and SW. |
| 60.00 | Set an iron post for $\frac{1}{16}$ sec. cor. No. 5 in the center of the NE. $\frac{1}{4}$ of sec. 33, with brass cap stamped |
| | No 5 in N. $\frac{1}{16}$ S 33 in center 1911 in S. |
| | Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. |

Subdivision T. 4 N., R. 7 E.

Chains

79.25 Right bank of Sycamore wash, 25 ft. high.
 get an iron post for M. C. of sec. 33, with brass cap
 stamped

M C in E. 1/16 in NW.
 1911 in S.
 S 33 in W.

Raise mound of stone 2 ft. base, 1½ ft. high, W. of cor.
 Descend 25 ft. bank to bed of wash.

80.00 Temp. 1/16 sec. cor. No. 6 bet. secs. 33 and 34, N½.

Land, rough and broken, 25.00 chs. Level mesa, 54.25 chs.
 Soil, 2nd rate, 54.25 chs. Rocky and 3rd rate, 25.00 chs.
 Brush, greasewood.

From the cor. of secs. 27, 28, 33 and 34, I run
 East on a true line bet. secs. 27 and 34,
 Over rough and broken land, descending.

2.60 Foot of descent.

Mouth of arroyo, 20 ft. deep, 150 lks. wide, course SE.
 Thence over bottom land, brs. NE. and SW.

4.00 Right bank of Sycamore wash, 4 ft. high, course SW.

get an iron post for M. C. of secs. 27 and 34, with brass
 cap stamped

MC in E.
 1911 " S.
 T 4 N S 34 in SW. quadrant
 R 7 E S 27 " NW. "
 1 notch on the S.

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

Land, rough and broken, 2.60 chs. Level bottom, 1.40 chs.
 Soil, 1st to 3rd rate.
 Brush, greasewood.

From temp. 1/16 sec. cor. No. 12 bet. secs. 33 and 34, S½,
 which is in bed of Sycamore wash,

I run
 East on a true line through S. ½ of sec. 34,

Over bed of Sycamore wash,

2.55 Left bank of Sycamore wash, 4 ft. high, course SW.

Get an iron post for M. C. of sec. 34, with brass cap
 stamped

Subdivision T. 4 N., R. 7 E.

Chains

N 8 in W. 1/16 in NW.
1911 in S.
S 34 in E.

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

- 6.25 Intersect East bdy. of old Camp McDowell Reservation, at a point from which the W. C. to the 9 M. P., brs. N. 6° 24' E., 17.80 chs. dist. (This W. C. is set 100 lks. S. 6° 24' W. from point for 9 M. P.)

Set an iron post for 1/16 C. C. of sec. 34, with brass cap stamped

1/16 C C S 34 in W.

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

Land, level bottom, 3.88 chs. Bed of wash, 2.35 chs.
Soil, 2nd rate.
Brush, catclaw, mesquite and tesota.

- March 14, 1911.

March 15, 1911, at 7h., a.m., l.m.t., I set off 33° 39' N. on the latitude arc, 2° 23' S. on the declination arc, and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34.

Thence I run

N. 0° 2' E. bet. secs. 27 and 28,

Over rough, broken land.

- 3.00 Arroyo, 20 ft. deep, 200 lks. wide, course SE.

- 3.50 Road in bed of arroyo, brs. NW. and SE.

- 6.00 Begin ascent, brs. E. and W., over rough and broken land, through greasewood brush.

- 26.00 Ridge, brs. E. and W.

Top of ascent; begin descent.

- 40.00 get an iron post for ¼ sec. cor. bet. secs. 27 and 28, with brass cap stamped

¼ S 28 in W.
S 27 " E.
1911 " S.

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

From this point, the old ¼ sec. cor. brs. S. 18½° W., 300 lks. dist. I destroy all trace of this old cor.

- 40.50 Foot of descent, brs. E. and W.

Subdivision T. 4 N., R. 7 E.

Chains

Thence over rough and broken land.

66.00 Begin descent, brs. E. and W.

69.00 Dry wash, 60 lks. wide, course W.

Foot of descent, brs. E. and W. Begin ascent.

74.00 Top of ascent, brs. E. and W.

80.00 Set an iron post for cor. of secs. 21, 22, 27 and 28,
with brass cap stamped

T 4 N S 22 in NE. quadrant
R 7 E S 27 " SE. "
S 28 " SW. "
S 21 " NW. "
1911 " S.

2 notches on the S. and 3 on the E. edge.

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

Land, rough and broken.

Soil, rocky and 4th rate.

Brush, greasewood.

After diligent search, find no trace of old cor.

N. 89° 57' W. on a random line bet. secs. 21 and 28.

40.00 Set temp. ¼ sec. cor.

80.20 Fall 23 lks. N. of cor. of secs. 20, 21, 28 and 29.

Thence I run

N. 89° 53' E. on a true line bet. secs. 21 and 28,

Over rough land, ascending, through brush.

5.00 Ridge brs. NE. and SW.

Top of ascent; begin descent.

20.00 Dry wash, 20 lks. wide, course SW.

Foot of descent; begin ascent.

40.10 Set an iron post for ¼ sec. cor. bet. secs. 21 and 28,
with brass cap stamped

¼ S 21 in N.
S 28 1911 in S.

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

After diligent search, find no trace of old cor.

42.00 Ridge, brs. NE. and SW.

Top of ascent; begin descent.

52.00 Foot of descent; begin ascent, brs. NE. and SW.

66.00 Top of ascent; begin descent, brs. NE. and SW.

Subdivision T. 4 N., R. 7 E.

Chains

68.00 Dry wash, course SW.

Foot of descent; begin ascent.

72.00 Top of ascent. Thence over rough and broken land.

80.20 The cor. of secs. 21, 22, 27 and 28.

Land, rough and broken.
Soil, rocky, 4th rate.
Brush, greasewood.

East on a true line bet. secs. 22 and 27,

Over rough and broken land,

Through brush.

17.00 Dry wash, 15 lks. wide, course S. 20° W.

22.34 Intersect East bdy. of old Camp McDowell Reservation, at
a point from which the 7½ M. P. brs. S. 6° 33' W., 250
lks. dist.

Set an iron post for C. C. of secs. 22 and 27, with brass
cap stamped

G C in W.

1911 in S.

T 4 N S 2 7 in SW. quadrant

R 7 E S 22 " NW. "

2 notches on the S. edge, and 4 on the N. edge.

Raise mound of stone 3 ft. base, 2 ft. high, W. of cor.

Land, rough and broken.
Soil, 4th rate, rocky.
Brush, greasewood.

March 15, 1911, at the cor. of secs. 21, 22, 27 and 28, I
set off 2° 20' S. on the declination arc, and at 12h.
9m., p.m., l.m.t., observe the sun on the meridian; the
resulting latitude is 33° 40' N., which is within 1' of
the correct latitude.

Thence I run

N. 0° 2' E. bet. secs. 21 and 22,

Descending over rough and broken land, through brush.

9.00 Begin steep descent, brs. NE. and SW.

24.00 Dry wash, 15 lks. wide, course SW. Foot of descent.

35.90 Dry wash, 10 lks. wide, course SW.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 21 and 22,

with brass cap stamped

Subdivision T. 4 N., R. 7 E.

Chains

$\frac{1}{4}$ S 21 in W.
 S 22 1911 in E.

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

After diligent search, find no trace of old cor.

43.70 Dry wash, 30 lks. wide, course SW.

45.00 Dry wash, 50 lks. wide, course SW.

Begin ascent, brs. NE. and SW.

55.00 Top of ascent, brs. NE. and SW.

Thence over rough and broken land.

59.00 Dry wash, 30 lks. wide, course SW.

70.00 Dry wash, 8 lks. wide, course SW.

80.00 Set an iron post for cor. of secs. 15, 16, 21 and 22,
 with brass cap stamped

T 4 N S 15 in NE. quadrant
 R 7 E S 22 " SE. "
 S 21 " SW. "
 S 16 " NW. "
 1911 " S.

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

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

After diligent search, find no trace of old cor.

Land, rough and broken.
 Soil, rocky and 3rd rate.
 Brush, greasewood.

S. $89^{\circ} 53'$ W. on a random line bet. secs. 16 and 21.

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

80.16 Fall 4 lks. N. of cor. of secs. 16, 17, 20 and 21.

Thence I run

N. $89^{\circ} 51'$ E. on a true line bet. secs. 16 and 21,

Over rough and broken land, through brush.

24.30 Dry wash, 12 lks. wide, course SW.

40.08 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 16 and 21,
 with brass cap stamped

$\frac{1}{4}$ S 16 in N.
 S 21 1911 in S.

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

After diligent search, find no trace of old cor.

46.00 Dry wash, 18 lks. wide, course SW.

Subdivision T. 4 N., R. 7 E.

Chains

54.00 Arroyo, 20 ft. deep, 60 lks. wide, course SW.

72.00 Arroyo, 25 ft. deep, 50 lks. wide, course SW.

80.16 The cor. of secs. 15, 16, 21 and 22.

Land, rough and broken.
Soil, rocky, 3rd rate.
Brush, greasewood.

East on a true line bet. secs. 15 and 22,
Over rough and broken land, through brush.

4.10 Dry wash, 18 lks. wide, course S.

8.40 Dry wash, 8 lks. wide, course S.

16.80 Arroyo, 15 ft. deep, 35 lks. wide, course SE.

25.05 Dry wash, 30 lks. wide, course S.

30.00 A few scattered trees along line.

31.48 Intersect East bdy. of old Camp McDowell Reservation, at
a point from which the $6\frac{1}{2}$ M. P. brs. S. $6^{\circ} 54'$ W., 312
lks. dist.

Set an iron post for C. C. of secs. 15 and 22, with brass
cap stamped

G C in W.
1911 in S.
T 4 N S 22 in SW. quadrant
R 7 E S 15 " NW. "
3 notches on the S. and 3 on the N. edge.

From which -

Pale verde, 6 ins. in diam., brs. S. $45\frac{1}{2}^{\circ}$ W., 146 lks.
dist., mkd. T 4 N R 7 E S 22 C C B T
Pale verde, 6 ins. in diam., brs. N. $64\frac{1}{2}^{\circ}$ W., 191 lks.
dist., mkd. T 4 N R 7 E S 15 C C B T

Land, rough and broken.
Soil, rocky, 3rd rate.
Brush, greasewood and cactus.
A few scattered pale verde trees on last 1.38 chs.

- March 15, 1911.

March 16, 1911, at 7h., a.m., I set off $33^{\circ} 41'$ N. on
the latitude arc, $1^{\circ} 58'$ S. on the declination arc, and
determine a meridian with the solar at the cor. of secs.
15, 16, 21 and 22.

Thence I run

N. $0^{\circ} 2'$ E. bet. secs. 15 and 16,

Over rough and broken land, through brush.

Subdivision T. 4 N., R. 7 E.

Chains

- 7.70 Dry wash, 10 lks. wide, course SW.
- 18.00 Arroyo, 15 ft. deep, 20 lks. wide, course SW.
- 40.00 get an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 15 and 16,
with brass cap stamped
- $\frac{1}{4}$ S 16 in W.
S 15 " E.
1911 " S.
- Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.; and
raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- After diligent search, find no trace of old cor.
- 48.00 Arroyo, 20 ft. deep, 40 lks. wide, course W.
- 70.00 Arroyo, 12 ft. deep, 20 lks. wide, course W.
- 80.00 Point for cor. of secs. 9, 10, 15 and 16 falls in dry
wash, 8 lks. wide, course SW.
- 80.15 Set an iron post for W. C. to cor. of secs. 9, 10, 15 and 16,
with brass cap stamped
- T 4 N S 10 in NE. quadrant
R 7 E S 15 " SE. "
S 16 " SW. "
S 9 " NW. "
W C 1911 " S.
4 notches on the S. and 3 on the E. edge.
- raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, rough and broken.
Soil, 3rd and 4th rate, rocky.
Brush, greasewood and cactus.
-
- From the true point for cor. of secs. 9, 10, 15 and 16,
I run
- S. 89° 51' W. on a random line bet. secs. 9 and 16.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Fall 4 lks. S. of cor. of secs. 8, 9, 15 and 17.
- Thence I run
- N. 89° 53' E. on a true line bet. secs. 9 and 16,
Over rough and broken land, through brush and scattered
palo verde trees.
- 18.00 Dry wash, 50 lks. wide, course S.
- 34.00 Dry wash, 15 lks. wide, course SW.
- 40.04 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 9 and 16, with

Subdivision T. 4 N., R. 7 E.

Chains

brass cap stamped

$\frac{1}{2}$ S 9 in W.
S 16 1911 in S.

Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
After diligent search, find no trace of old cor.

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

52.00 Dry wash, 20 lks. wide, course SW.

Begin ascent, brs. NE. and SW.

64.00 Top of ascent, brs. NE. and SW.

Thence over rough and broken land.

67.00 Begin descent, brs. NE. and SW.

69.00 Dry wash, 18 lks. wide, course SW.

Foot of descent, brs. NE. and SW.

80.00 True point for cor. of secs. 9, 10, 15 and 16, in dry
wash, 8 lks. wide, course SW.

Land, rough and broken.
Soil, rocky and 4th rate.
Brush, pale verde and greasewood.
Scattered cactus and pale verde trees.

March 13, 1911, at the true point for cor. of secs. 9, 10,
15 and 16, I set off $1^{\circ} 56'$ S. on the declination arc,
and at 12h. 11m., p.m., l.m.t., observe the sun on the
meridian; the resulting latitude is $33^{\circ} 42'$ N., which is
within $1'$ of the correct latitude.

Thence I run

East on a true line bet. secs. 10 and 15,

Over rough and broken land,

Through brush and cactus.

1.00 Begin ascent, brs. N. and S.

5.00 Ridge, brs. N. and S.

Top of ascent; begin descent.

12.50 Arroyo, 15 ft. deep, 40 lks. wide, course NE.

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

32.00 Dry wash, 30 lks. wide, course SW.

Foot of descent, begin ascent, brs. NE. and SW.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 10 and 15,
with brass cap stamped

Subdivision T. 4 N., R. 7 E.

Chains

$\frac{1}{2}$ S 10 in N.
S 15 1911 in S.

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

After diligent search, find no trace of old cor.

40.94 Intersect East bdy. of old Camp McDowell Reservation, at
a point from which the $5\frac{1}{2}$ M. P. hrs. S. $6^{\circ} 40'$ W.,
3.24 chs. dist.

Set an iron post for C. C. of secs. 10 and 15, with brass
cap stamped

C C in W.
1911 in S.
T 4 N S 15 in SW. quadrant
R 7 E S 10 " NW. " "
4 notches on the S. and 2 on the N. edge.

Raise mound of stone 3 ft. base, 2 ft. high, W. of cor.

Land, rough and broken.
Soil, 3rd and 4th rate.
Brush, greasewood and cactus.

From true point for cor. of secs. 9, 10, 15 and 16, which
is in dry wash, 8 lks. wide, course SW., I run

N. $0^{\circ} 2'$ E. bet. secs. 9 and 10

Over bed of dry wash.

0.04 Leave dry wash.

Thence over rough and mountainous land, through brush
and cactus.

0.15 The W. C. to cor. of secs. 9, 10, 15 and 16.

16.00 Begin descent into canyon, course SW.

17.00 Dry wash in bed of canyon, 30 lks. wide, course SW.
Foot of descent.

17.40 Begin ascent, hrs. NE. and SW.

20.00 Narrow ridge, hrs. NE. and SW.

Top of ascent; begin descent.

37.00 Arroyo, 40 ft. deep, 80 lks. wide, course W.

Foot of descent; begin ascent.

40.00 Set an iron post for $\frac{1}{2}$ sec. cor. bet. secs. 9 and 10,
with brass cap stamped

Subdivision T. 4 N., R. 7 E.

Chains

$\frac{1}{4}$ S 9 in W.
 S 10 " E.
 1911 " S.

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

After diligent search, find no trace of old cor.

51.00 Top of ascent, brs. E. and W. Begin descent.

Ridge, brs. E. and W.

68.90 Begin descent into Malpais Canyon, 300 ft. deep, brs. E. and W.

77.00 Foot of descent.

Dry wash in bed of canyon, 20 lks. wide, course W.

77.30 Begin steep ascent from canyon, brs. E. and W.

80.00 Set an iron post for cor. of secs. 3, 4, 9 and 10, with brass cap stamped

T 4 N S 3 in NE. quadrant
 R 7 E S 10 " SE. "
 S 9 " SW. "
 S 4 " NW. "
 1911 " S.

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

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

Land, rough and mountainous.
 Soil, rocky and 4th rate.
 Brush, greasewood and cactus.

S. $89^{\circ} 53'$ W. on a random line bet. secs. 4 and 9.

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

80.00 Fall 2 lks. S. of cor. of secs. 4, 5, 8 and 9.

Thence I run

N. $89^{\circ} 54'$ E. on a true line bet. secs. 4 and 9.

Over rough mountainous land, ascending,

Through cactus and brush.

2.00 Top of ascent; begin descent, brs. N. 70° E. and S. 70° W.

8.00 Foot of descent, brs. N. 70° E. and S. 70° W.

Thence across mouth of canyon.

8.50 Dry wash in bed of canyon, 18 lks. wide, course S. 60° W.

10.00 Begin ascent, brs. N. 60° E. and S. 60° W.

22.50 Top of ascent; leave canyon, brs. N. 60° E. and S. 60° W.

Subdivision T. 4 N., R. 7 E.

Chains

- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 4 and 9, with
brass cap stamped
- $\frac{1}{4}$ S 4 in N.
S 9 1911 in S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
After diligent search, find no trace of old cor.
- 51.00 Begin descent hrs. N. 60° E. and S. 60° W.
- 64.00 Dry wash, 8 lks. wide, course S. 60° W.
- Foot of descent; begin ascent, hrs. S. 60° W. and N. 60° E.
- 74.00 Ridge hrs. N. 60° E. and S. 60° W.
- Top of ascent; begin descent into Malpais Canyon.
- 80.00 The cor. of secs. 3, 4, 9 and 10.
- Land, rough and mountainous.
Soil, rocky and 4th rate.
Brush, sactus and greasewood.

- East on a true line bet. secs. 3 and 10,
descending over rough and broken land into Malpais Canyon.
- 5.00 Arroyo, 30 ft. deep, 60 lks. wide, course S.
- 8.00 Foot of descent, hrs. S. 60° W. and N. 60° E.
- Thence over bed of canyon.
- 14.00 Begin ascent from canyon, hrs. NW. and SE.
- 20.00 Top of ascent; begin descent.
- 26.00 Arroyo, 60 ft. deep, 120 lks. wide, course SW.
- 30.00 Foot of descent. Arroyo, 40 ft. deep, 60 lks. wide,
course SW.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 3 and 10,
with brass cap stamped
- $\frac{1}{4}$ S 3 in N.
S 10 1911 in S.
- Raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 48.00 Top of ascent, hrs. NW. and SE.
- Thence over rough, mountainous land.
- 51.63 Intersect East bdy. of old Camp McDowell Reservation, at
a point from which the W. C. to the $4\frac{1}{2}$ M. P. hrs. S. 6°
24' W., 270 lks. dist. This W. C. is 100 lks. N. 6°

Chains

24' E. of true point for the 4 $\frac{1}{2}$ M. P.

Set an iron post for C. C. of secs. 3 and 10, with brass cap stamped

C C in W.

1911 in S.

T 4 N S 10 in SW. quadrant

R 7 E S 3 " NW. "

5 notches on the S. and 1 on the N. edge.

Raise mound of stone 3 ft. base, 2 ft. high, W. of cor.

Land, rough and mountainous.

Soil, 4th rate and rocky.

Brush, greasewood and cactus.

From the cor. of secs. 3, 4, 9 and 10, I run

N. 0° 2' E. bet. secs. 3 and 4,

Ascending from Malpais Canyon.

2.00 Top of ascent, brs. N. 60° E. and S. 60° W.

Leave canyon; thence over rough and mountainous land.

5.00 Begin steep descent into canyon, brs. E. and W.

7.00 Foot of descent, brs. E. and W.

Thence over bed of canyon.

7.50 Dry wash in bed of canyon, 18 lks. wide, course W.

begin steep ascent from canyon.

12.00 Top of ascent. Thence over rough mountainous land.

16.00 begin ascent of ridge, brs. E. and W.

20.00 Ridge brs. E. and W.

Top of ascent; begin descent.

Enter scattered palo verde trees, brs. E. and W.

21.85 Intersect North bdy. of old Camp McDowell Reservation, at

a point from which the 3 M. P. brs. S. 80° 31' W.,

29.23 chs. dist.

Set an iron post for C. C. of secs. 3 and 4, with brass

cap stamped

C C 1911 in S.

T 4 N S 4 in SW. quadrant

R 7 E S 3 " SE. "

3 notches on the E. and 3 on the W. edge.

from which -

Palo verde, 6 ins. in diam., brs. S. 76° 15' E., 30

Subdivision T. 4 N., R. 7 E.

BOOK 2397

Chains

lks. dist., mkd. T 4 N R 7 E S 3 C C B T
Pale verde, 6 ins. in diam., brs. S. 48° 45' W., 65
lks. dist., mkd. T 4 N R 7 E S 4 C C B T

Land, rough and broken mountains.

Soil, rocky and 4th rate.

Brush, cactus and greasewood.

Scattered pale verde trees for 1st 1.58 chs.

March 16, 1911.

Meanders of the left bank of Verde River, up stream.

I commence at the Meander cor. of secs. 5 and 32, on the S. bdy. of the tp., which M. C. is 15.10 chs. West of the 1/16 sec. cor. No. 2 bet. secs. 5 and 32, $W\frac{1}{2}$, on the S. bdy. of the tp., both cors. previously described.

At this M. C., March 17, 1911, I set off $33^{\circ} 38'$ N. on the latitude arc, $0^{\circ} 36\frac{1}{2}'$ S. on the declination arc, and at 8h., a.m., l.m.t., determine a meridian with the solar.

Thence I run with meanders in sec. 32

Over level land, through heavy mesquite brush.

N. $10^{\circ} 0'$ E. 8.00 chs. Set an iron post for angle point with brass cap stamped A P

N. $14^{\circ} 15'$ W. 12.50 " to M. C. of sec. 32, which is 16.80 chs. W. of 1/16 sec. cor. No. 9 in the center of the SW. $\frac{1}{4}$ of sec. 32.

N. $38^{\circ} 45'$ W. 5.13 " to M. C. of secs. 31 and 32, which is 16 chs. S. of $\frac{1}{4}$ sec. cor. bet. secs. 31 and 32.

Land, level.
Soil, 2nd rate.
Heavy mesquite brush.

Thence in sec. 31,

Over bottom land, through heavy mesquite brush.

N. $43^{\circ} 0'$ W. 10.00 chs. Set an iron post for angle point with brass cap stamped A P

N. $37^{\circ} 15'$ W. 11.00 " to M. C. of sec. 31 which is 13.50 chs. W. of $\frac{1}{4}$ sec. cor. bet. secs. 31 and 32.

N. $12^{\circ} 30'$ W. 20.47 " to M. C. of sec. 31, which is 17.80 chs. W. of 1/16 sec. cor. No. 6 bet. secs. 31 and 32, $N\frac{1}{2}$.

N. $0^{\circ} 3'$ E. 20.03 " to M. C. of secs. 30 and 31, which is 16.70 chs. W. of cor. of secs. 29, 30, 31 and 32.

Land, river bottom.
Soil, 1st rate.
No timber.

Thence in sec. 30

Along bank 10. ft. high.

N. $35^{\circ} 30'$ E. 24.60 chs. to M. C. of sec. 30, which is 2.40 chs. W. of 1/16 sec. cor. No. 12 bet. secs. 29 and 30, $S\frac{1}{2}$.

Meanders T. 4 N., R. 7 E.

At 2 chs., enter dense mesquite brush, brs. N.35°E. and S.55°W.
At 20 chs., leave dense mesquite brush; thence over sandy bottom land.

N. 38° 45' E. 3.85 chs. To M. C. of secs. 29 and 30, which is 3 chs. N. of 1/16 sec. cor. No. 12 bet. secs. 29 and 30, S $\frac{1}{2}$.

Land, level river bottom.
Soil, 1st rate.
Brush, dense mesquite, 18.00 chs.

Thence in sec. 29,

Over level bottom land, on bank 15 ft. high.

N. 47° 0° E. 24.95 chs. to M. C. of sec. 29, which is 1.70 chs. West of the 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 29.
At 10 chs., dry wash, 20 lks. wide, course NW.

N. 41° 30' E. 2.55 " to M. C. of sec. 29, which is 1.90 chs. N. 0°1'E. of 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 29.

N. 47° 45' E. 27.00 " to M. C. of sec. 29, which is also the 1/16 sec. cor. No. 4 bet. the NE. and NW. $\frac{1}{4}$ s of sec. 29.

N. 28° E. 22.65 " to M. C. of secs. 20 and 29, which is 9.40 chs. W. of $\frac{1}{4}$ sec. cor. bet. secs. 20 and 29.

Land, level river bottom.
Soil, 1st rate, alluvial.
Timber, a few scattered cottonwood trees, and scattered teosota brush.

Thence in sec. 20,

On bank 20 ft. high, at foot of bluff.

N. 26° 45' E. 20.90 chs. to M. C. of sec. 20, which is 18.70 chs. N. 0°1'E. of the 1/16 sec. cor. No. 1 bet. secs. 20 and 29, S $\frac{1}{2}$.
At 4 chs., dry wash, 50 lks. wide, course W.

N. 27° E. 1.45 " to M. C. of sec. 20, which is 19.35 chs. N. 89° 59' W. of 1/16 sec. cor. No. 12 bet. secs. 20 and 21, S $\frac{1}{2}$.

March 17, 1911, at this M.C., I set off 0° 32 $\frac{1}{2}$ ' S. on the declination arc, and at 12h. 32m., 44m., p.m., l.m.t., observe the sun on the meridian; the resulting latitude is 33° 40' N., which is within 1' of the correct latitude.

Thence I run

N. 6° 0' W. 6.18 chs. to M. C. of sec. 20, which is 13.85 chs. S. 0° 1' W. of 1/16 sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{4}$ s of sec. 20.
At 2 chs., dry wash, 20 lks. wide, course W.

N. 38° 30' W. 17.70 " To M. C. of sec. 20, which is 11 chs. W. of 1/16 sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{4}$ s of sec. 20.
Enter dense mesquite over low bottom land, on bank 7 ft. high.

N. 10° 30' W. 20.34 " to M. C. of sec. 20 which is 14.70 chs. N. 89° 55' W. of 1/16 sec. cor. No. 5 in the center of the NE. $\frac{1}{4}$ of sec. 20.

N. 26° 30' W. 8.00 " Set an iron post for angle point with brass cap stamped A P

N. 42° W. 2.58 " to M. C. of sec. 20, which is 10.90 chs. S. 0° 1' W. of $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20.

N. 45° 30' W. 6.00 " Set an iron post for angle point with brass cap stamped A P

N. 17° 30' W. 7.07 " to M. C. of secs. 17 and 20, which is 6.40 chs. N. 89° 52' W. of $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20.
At 1 ch., dry wash, 20 lks. wide, course SW.

Land, rough and broken, 28.53 chs.

Level and sandy, 61.19 chs.

Soil, 2nd and 3rd rate, 28.53 chs. 1st rate, 61.19 chs.

Brush, dense mesquite, 61.19 chs.

- March 17, 1911.

March 18, 1911, at 8h., a.m., l.m.t., I set off 33° 41' N. on the latitude arc, 0° 12' S. on the declination arc, and determine a meridian with the solar at the M. C. of secs. 17 and 20, which is 6.40 chs. N. 89° 52' W. of the $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20.

Thence I run with meanders in sec. 17,

Over level bottom land,

Through dense mesquite brush.

N. 35° 30' W. 20.30 chs. Set an iron post for angle point with brass cap stamped A P

N. 28° W. 4.00 " To M. C. of sec. 17, which is also the 1/16 sec. cor. No. 9 in the center of the SW. $\frac{1}{4}$ of sec. 17.

N. 28° 15' W. 4.00 " Set an iron post for angle point with brass cap stamped A P

Meanders T. 4 N., R. 7 E.

Chains

N. 32° 15' W. 4.00 chs. Set an iron post for angle point with brass cap stamped A P

N. 24° 45' W. 4.00 " Set an iron post for angle point with brass cap stamped A P

N. 7° 15' W. 7.00 " Set an iron post for angle point with brass cap stamped A P

N. 16° 30' E. 2.60 " to M. C. of sec. 17, which is 5.80 chs. N. 89° 52' W. of 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 17.

N. 27° E. 4.00 " Set an iron post for angle point with brass cap stamped A P

N. 8° 15' E. 16.58 " to M. C. of sec. 17, which is 1.90 chs. N. 89° 52' W. from 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 17.

N. 15° E. 3.00 " Set an iron post for angle point with brass cap stamped A P

N. 4° E. 4.00 " Set an iron post for angle point with brass cap stamped A P

N. 52° E. 1.06 " to M. C. of sec. 17, which is 7.55 chs. N. 0° 1' E. of 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 17.

N. 42° 30' E. 16.88 " to M. C. of secs. 8 and 17, which is 8.60 chs. N. 89° 56' W. of $\frac{1}{4}$ s ec. cor. bet. secs. 8 and 17.

Land, level river bottom.
Soil, 1st rate.
Brush, dense mesquite.
A few cottonwood trees.

Thence in sec. 8,

Over level river bottom, along 8 ft. bank,

Through dense mesquite brush.

N. 3° 45' W. 12.00 chs. Set an iron post for angle point with brass cap stamped A P

N. 30° 30' E. 5.00 " set an iron post for angle point with brass cap stamped A P

N. 56° 15' E. 6.70 " to M. C. of sec. 8 which is 1.30 chs. N. 89° 56' W. from 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 8.

N. 50° E. 1.70 " to M. C. of sec. 8 which is 1.10 chs. N. 0° 1' E. of 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 8.

N. 46° 30' E. 27.50 " to M. C. of sec. 8 which is also the 1/16 sec. cor. No. 7 bet. the NE. and SE. $\frac{1}{4}$ s of sec. 8.

N. 40° 0' E. 10.00 chs. Set an iron post for angle point with brass cap stamped A P

N. 3° 15' E. 12.30 " to M. C. of sec. 8, which is 12.86 chs. N. 89° 57' W. of 1/16 sec. cor. No. 6, bet. secs. 8 and 9, N $\frac{1}{4}$.

N. 5° 30' E. 20.10 " to M. C. of secs. 5 and 8, which is 10.90 chs. N. 89° 56' W. of the cor. of secs. 4, 5, 8 and 9.

Land, level river bottom.
Soil, 1st rate, alluvial.
Brush, dense mesquite.

Thence in sec. 5,

Over level land,

Through dense mesquite brush.

N. 0° 15' E. 6.63 chs. to M. C. of sec. 5, which is 11.02 chs. S. 80° 20' W. of the C.C. of secs. 4 and 5, on the North bdy. of old Camp McDowell Reservation, previously described.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

- March 18, 1911.

Meanders of the right bank of Verde River, down stream.

I commence at the meander cor. of sec. 5 which is 12.55 chs. N. 80° 19' E. from the Closing 1/16 sec. cor. on the North bdy. of the old Camp McDowell Reservation, which C.C. is 1.53 chs. N. 0° 1' E. from the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8, - all of these corners previously described.

At this M. C., March 19, 1911, I set off 33° 43' on the latitude arc, 0° 48' S. on the declination arc, and at 8h., a.m., l.m.t., determine a meridian with the solar.

Thence I run with meanders in sec. 5,

Over level land,

Through dense mesquite brush.

S. 18° 30' W. 3.84 chs. to M. C. of secs. 5 and 8, which is 11.10 chs. S. 89° 56' E. of the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

Meanders T. 4 N., R. 7 E.

Thence in sec. 8,

Over level land,

Through dense mesquite.

S. 17° 30' W. 21.00 chs. to M. C. of sec. 8, which is
4.80 chs. S. 89° 57' E. of 1/16
sec. cor. No. 4 bet. the NE. and
NW. $\frac{1}{4}$ s of sec. 8.

S. 23° 45' W. 11.90 " to M. C. of sec. 8, which is
10.90 chs. S. 0° 1' W. of 1/16
sec. cor. No. 4 bet. the NE. and
NW. $\frac{1}{4}$ s of sec. 8.

S. 26° 15' W. 10.16 " to M. C. of sec. 8, which is
15.50 chs. S. 89° 50' E. of 1/16
sec. cor. No. 8 bet. the NW. and
SW. $\frac{1}{4}$ s of sec. 8.

S. 38° 45' W. 24.74 " to M. C. of sec. 8, which is
19.34 chs. S. 0° 1' W. of 1/16
sec. cor. No. 8 bet. the NW. and
SW. $\frac{1}{4}$ s of sec. 8.

S. 50° W. 1.04 " to M. C. of sec. 8, which is
19.20 chs. S. 89° 56' E. from
1/16 sec. cor. No. 12 bet. secs.
7 and 8, $8\frac{1}{2}$.
At 50 lks., drain, course SE.

S. 47° 45' W. 21.35 " Set an iron post for angle point
with brass cap stamped A P

S. 58° W. 4.00 " to M. C. of secs. 7 and 8, which
is 16.50 chs. S. 0° 1' W. from
1/16 sec. cor. No. 12 bet. secs.
7 and 8, $8\frac{1}{2}$.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

Thence in sec. 7,

Over level land,

Through dense mesquite brush.

S. 58° W. 6.60 chs. to M. C. of secs. 7 and 18, which
is 14.40 chs. East of 1/16 sec.
cor. No. 1 bet. secs. 7 and 18,
 $8\frac{1}{2}$.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

Thence in sec. 18,

Over level land,

Through dense mesquite.

S. 41° 15' W. 21.35 chs. Set an iron post for angle point
with brass cap stamped A P

- At 10.00 chs., drain, course SE.
- S. 5° 45' E. 4.00 chs. To M. C. of sec. 18, which is 70
lks. East of 1/16 sec. cor. No.
5 in the center of the NE. $\frac{1}{4}$ of
sec. 18.
At 2.00 chs., drain, course SE.
- S. 26° N. 14.80 " Set an iron post for angle point
with brass cap stamped A P
- S. 40° 30' E. 4.00 " Set an iron post for angle point
with brass cap stamped A P
At 3.00 chs., drain, course SE.
- S. 25° E. 4.00 " to M. C. of sec. 18, which is
11.50 chs. East of 1/16 sec. cor.
No. 7 bet. the NE. and SE. $\frac{1}{4}$ s of
sec. 18.
- S. 2° W. 20.00 " to M. C. of sec. 18, which is
10.80 chs. East of 1/16 sec. cor.
No. 11 in the center of the SE. $\frac{1}{4}$
of sec. 18.
- S. 40° E. 14.18 " to M. C. of secs. 17 and 18, which
is 9.10 chs. N. 0° 1' E. from
cor. of secs. 17, 18, 19 and 20.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

Thence in sec. 17,

Over level land,

Through dense mesquite brush.

- S. 39° E. 11.75 chs. to M. C. of secs. 17 and 20, which
is 7.40 chs. S. 89° 52' E. from
cor. of secs. 17, 18, 19 and 20.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

Thence in sec. 20,

Over level land,

Through dense mesquite brush.

- S. 38° 30' E. 20.20 chs. to M. C. of sec. 20, which is
4.20 chs. N. 0° 1' E. of 1/16
sec. cor. No. 3 in the center of
the NW. $\frac{1}{4}$ of sec. 20.
- S. 41° 30' E. 5.60 " to M. C. of sec. 20, which is
3.70 chs. S. 89° 55' E. from
1/16 sec. cor. No. 3 in the cen-
ter of the NW. $\frac{1}{4}$ of sec. 20.
- S. 25° 45' E. 22.15 " to M. C. of sec. 20, which is
13.30 chs. East of 1/16 sec. cor.

Meanders T. 4 N., R. 7 E.

No. 8 bet. the NW. and SW. $\frac{1}{4}$ s
of sec. 20.

S. 13° 15' E. 20.54 chs. to M. C. of sec. 20, which is
18.00 chs. S. 89° 59' E. from
1/16 sec. cor. No. 9 in the
center of the SW. $\frac{1}{4}$ of sec. 20.

S. 26° 30' W. 22.35 " to M. C. of secs. 20 and 29,
which is 7.99 chs. East of 1/16
sec. cor. No. 2 bet. secs. 20
and 29, $\frac{1}{2}$.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

March 19, 1911: Cloudy at noon; no observation for lati-
tude.

Thence in sec. 29,

Over level land,

Through dense mesquite brush.

S. 16° 45' W. 20.68^{chs.} to M. C. of sec. 29, which is 2.00
chs. East of 1/16 sec. cor. No. 3 in
the center of the NW. $\frac{1}{4}$ of sec.
29.

S. 58° W. 2.35 chs. to M. C. of sec. 29, which is
1.25 chs. S. 0° 1' W. from 1/16
sec. cor. No. 3 in the center of
the NW. $\frac{1}{4}$ of sec. 29.

S. 51° W. 25.73 " to M. C. of secs. 29 and 30,
which is 17.40 chs. S. 0° 1' W.
from 1/16 sec. cor. No. 6 bet.
secs. 29 and 30, $\frac{1}{2}$.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

Thence in sec. 30,

Over level land,

Through dense mesquite brush.

S. 74° W. 9.37 chs. to M. C. of sec. 30, which is
11.00 chs. East of 1/16 sec. cor.
No. 7 bet. the NE. and SE. $\frac{1}{4}$ s
of sec. 30.

S. 70° 45' W. 8.25 " Set an iron post for angle point
with brass cap stamped A P

S. 52° 15' W. 4.00 " to M. C. of sec. 20, which is
5.20 chs. South of 1/16 sec.
cor. No. 7 bet. the NE. and SE.
 $\frac{1}{4}$ s of sec. 30.

- S. 49° 30' W. 10.60 chs. Set an iron post for angle point with brass cap stamped A P
- S. 7° 30' W. 8.00 " to M. C. of sec. 30, which is 10.90 chs. East of 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 30.
- S. 1° 30' W. 7.33 " Set an iron post for angle point with brass cap stamped A P
- S. 62° W. 13.60 " to M. C. of sec. 30, which is 15.70 chs. South of 1/16 sec. cor. No. 10 bet. the SE. and SW. $\frac{1}{4}$ s of sec. 30.
- S. 52° W. 2.03 " Set an iron post for angle point with brass cap stamped A P
- S. 40° 15' W. 4.00 " to M. C. of secs. 30 and 31, which is 15.80 chs. East of 1/16 sec. cor. No. 2 bet. secs. 30 and 31, W $\frac{1}{4}$.

Land, level.
Soil, 1st rate.
Brush, dense mesquite.

Thence in sec. 31,

Over level land,

Through dense mesquite brush.

- S. 28° W. 8.00 chs. Set an iron post for angle point with brass cap stamped A P
- S. 4° 15' E. 11.34 " Set an iron post for angle point with brass cap stamped A P
- S. 31° W. 1.90 " to M. C. of sec. 31, which is 11.90 chs. East of 1/16 sec. cor. No. 3 in the center of the NW. $\frac{1}{4}$ of sec. 31.
- S. 13° W. 8.00 " Set an iron post for angle point with brass cap stamped A P
- S. 14° E. 7.00 " Set an iron post for angle point with brass cap stamped A P
- S. 10° W. 5.50 " to M. C. of sec. 31, which is 10.80 chs. East of 1/16 sec. cor. No. 8 bet. the NW. and SW. $\frac{1}{4}$ s of sec. 31.
- S. 6° E. 8.16 " Set an iron post for angle point with brass cap stamped A P
- S. 19° 45' E. 8.00 " Set an iron post for angle point with brass cap stamped A P
- S. 43° 30' E. 6.00 " to M. C. of sec. 31, which is 18.50 chs. East of 1/16 sec. cor. No. 9 in the center of the SW. $\frac{1}{4}$ of sec. 31.

- S. 43° E. 2.20 chs. to M. C. of sec. 31, which is 18.40 chs. North of the $\frac{1}{4}$ sec. cor. bet. secs. 6 and 31, on the S. bdy. of the tp., previously described.
- S. 47° E. 3.00 " Set an iron post for angle point with brass cap stamped A P
- S. 67° 45' E. 8.00 " Set an iron post for angle point with brass cap stamped A P
- S. 58° E. 2.80 " Set an iron post for angle point with brass cap stamped A P
- S. 6° 45' W. 8.00 " Set an iron post for angle point with brass cap stamped A P
- S. 11° 30' E. 4.00 " to M. C. of secs. 6 and 31, which is 11.80 chs. East of $\frac{1}{4}$ sec. cor. bet. secs. 6 and 31, on the S. bdy. of the tp., both cors. previously described.

Land, level.
Soil, 1st rate.
Dense mesquite brush.

- March 19, 1911.

Meanders of left bank of Sycamore Wash, up stream.

I commence at the M. C. of secs. 4 and 33, which is 10.80 chs. West of the $\frac{1}{16}$ sec. cor. No. 1 bet. secs. 4 and 33, $E\frac{1}{2}$, on the S. bdy. of the tp., both cors. previously described.

At this cor., March 20, 1911, I set off 33° 38' N. on the latitude arc, 0° 26' S. on the declination arc, and at 8h., a.m., l.m.t., determine a meridian with the solar.

Thence I run with meanders in sec. 33, up stream,

Over level land,

Through dense brush,

- N. 36° E. 7.00 chs. Set an iron post for angle point with brass cap stamped A P
- N. 42° 30' E. 4.00 " set an iron post for angle point with brass cap stamped A P
- N. 56° 15' E. 4.00 " to M. C. of sec. 33, which is 11.00 chs. N. 0° 1' E. from $\frac{1}{16}$ sec. cor. No. 1 bet. secs. 4 and 33, $E\frac{1}{2}$, on the S. bdy. of the tp., previously described.
- N. 65° E. 8.00 " Set an iron post for angle point with brass cap stamped A P
At 8 chs., drain, course NW.

N. 85° E. 10.00 chs. Set an iron post for angle point
with brass cap stamped A P

N. 58° E. 3.36 " to M. C. of secs. 33 and 34,
which is 17.00 chs. N. 0° 2' E.
from cor. of secs. 3, 4, 33 and
34, on the S. bdy. of the tp.,
previously described.

Land, level.
Soil, 1st rate.
Dense tesota and arrowweed brush.

Thence in sec. 34,

Over level land,

Through dense brush.

N. 38° E. 3.80 chs. to M. C. of sec. 34, which is
3.88 chs. West of closing 1/16
sec. cor. of E. and W. line
through S. $\frac{1}{4}$ of sec. 34 with
the East bdy. of old Camp Mc-
Dowell Reservation, previously
described.

N. 29° E. 6.00 " Set an iron post for angle point
with brass cap stamped A P

N. 7° 15' E. 4.00 " Set an iron post for angle point
with brass cap stamped A P

N. 1° W. 8.00 " Set an iron post for angle point
with brass cap stamped A P

N. 74° 15' E. 2.75 " to M. C. of sec. 34, on E. bdy.
of old Camp McDowell Reserva-
tion, which is 18.08 chs. N. 6°
24' E. from the closing 1/16
sec. cor. on E. and W. line
through S. $\frac{1}{4}$ of sec. 34, with
the East bdy. of the old Camp
McDowell Reservation, both cor.s
previously described.

Land, level.
Soil, 1st rate.
Dense tesota and arrowweed brush.

Meanders of right bank of Sycamore Wash, down stream:

I commence at the M. C. of sec, 27 on the west bdy. of old
Camp McDowell Reservation and right bank of Sycamore
Wash, which is 27.85 chs. S. 6° 43' W. from the S M.P.,
on the East bdy. of old Camp McDowell Reservation, both
cors. previously described.

Thence I run with meanders along right bank of Sycamore
Wash, down stream, in sec. 27,

Over rough land.

S. 41° 30' W. 4.00 chs. Set an iron post for angle point
with brass cap stamped A P
S. 45° W. 3.00 " Set an iron post for angle point
with brass cap stamped A P
S. 36° 30' W. 3.00 " Set an iron post for angle point
with brass cap stamped A P
S. 55° 45' W. 3.65 " to M. C. of secs. 27 and 34,
which is 4.00 chs. East of cor.
of secs. 27, 28, 33 and 34.

Land, rough.
Soil, 3rd rate.

Thence in sec. 34,

Over rough land.

S. 21° 15' W. 11.05 chs. to M. C. of secs. 33 and 34,
which is 10.30 chs. S. 0° 2' W.
from cor. of secs. 27, 28, 33
and 34.

Land, rough.
Soil, 3rd rate.

Thence in sec. 33,

Over rough land, along bluff.

S. 20° W. 4.00 chs. Set an iron post for angle point
with brass cap stamped A P
S. 6° E. 6.00 " to M. C. of sec. 33, which is
19.25 chs. East of the 1/16 sec.
cor. No. 5 in the center of the
NE. $\frac{1}{4}$ of sec. 33.
S. 6° 15' E. 6.85 " to M. C. of secs. 33 and 34,
which is 26.80 chs. S. 0° 2' W.
from cor. of secs. 27, 28, 33
and 34.

Land, rough along bluff.
Soil, 3rd rate.

Thence in sec. 34,

Over rough land.

S. 11° E. 4.00 chs. Set an iron post for angle point
with brass cap stamped A P
S. 10° 45' W. 4.10 " to M. C. of secs. 33 and 34,
which is 34.80 chs. S. 0° 2' W.

from cor. of secs. 27, 28, 33
and 34.

Land, rough.
Soil, 3rd rate.

Thence in sec. 33,

Over low, sandy land.

- S. 60° W. 10.40 chs. to M. C. of sec. 33, which is
11.00 chs. East of 1/16 sec.
cor. No. 7 bet. the NE. and SE.
¼s of sec. 33.
- S. 28° W. 22.65 " to M. C. of sec. 33, which is
40 lks. East of 1/16 sec. cor.
No. 11 in the center of the SE.
¼ of sec. 33.
- S. 45° W. 0.56 " to M. C. of sec. 33, which is 40
lks. S 0° 1' W. from 1/16 sec.
cor. No. 11 in the center of the
SE. ¼ of sec. 33.
- S. 56° W. 6.00 " Set an iron post for angle point
with brass cap stamped A P
- S. 67° 15' W. 6.00 " Set an iron post for angle point
with brass cap stamped A P
- S. 44° W. 12.00 " Set an iron post for angle point
with brass cap stamped A P
- S. 66° W. 1.25 " to M. C. of sec. 33, which is
15.20 chs. S. 0° 1' W. from 1/16
sec. cor. No. 10 bet. the SE. and
SW. ¼s of sec. 33.
- S. 87° 45' W. 20.02 " to M. C. of sec. 33, which is
16.00 chs. S. 0° 1' W. from 1/16
sec. cor. No. 9 in the center of
the SW. ¼ of sec. 33.
- S. 87° 45' W. 2.50 " Set an iron post for angle point
with brass cap stamped A P
- S. 57° 30' W. 7.20 " to M. C. of secs. 4 and 33, which
is 11.40 chs. East of the cor.
of secs. 4, 5, 32 and 33, on
the S. bdy. of the tp., both
cors. previously described.

Land, low and sandy.
Soil, 2nd rate.

- March 20, 1911.

GENERAL DESCRIPTION.

The portion of T. 4 N., R. 7 E., which lies in the NE. corner of Salt River Indian Reservation (the old Camp McDowell Reservation), as a whole, is rough and broken. The only level land is about $\frac{1}{4}$ mile wide along the Verde River, which runs Southwardly through the two Western tiers of sections. In this river bottom, the soil is first-rate, while in the roughest portions, the soil ranges to 4th rate, and is of little value.

Sycamore Wash runs through the Southeastern corner, through secs. 27, 33 and 34.

There is only a little timber along the river bottom, and that cottonwood and mesquite, large enough to be of any value; though most of the river bottom is covered with dense mesquite thickets. The rough portions are covered with greasewood brush and cactus, and scattered palo verde trees, not thick enough to be called timber.

Robert A. Farmer,

Topographer and U. S. Surveyor.

113

BOOK 2397

FINAL OATH OF UNITED STATES SURVEYOR.

GLO

I, Robert A. Farmer, Topographer, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor-General for the Commissioner of the General Land Office bearing date of the 11th day of October, 1910, 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

Salt River and Camp McDowell Reservations

of the Gila and Salt River Principal Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the 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.

Robert A. Farmer, Topographer
U. S. Surveyor.

of under of

Subscribed by said Robert A. Farmer, and sworn to before me this 15th day of May, 1911.

Frank S. Ingalls
Surveyor-General of Arizona.



APPROVAL.

Commissioner of the General Land Office
OFFICE OF THE UNITED STATES SURVEYOR-GENERAL,

March 29th, 1913,

The foregoing field notes of the survey of Subdivision and meanders of T. 4 N., R. 7 E., Salt River Indian Reservation, Arizona,

executed by Robert A. Farmer, Topographer and U. S. Surveyor, under supervision of A. F. Dunnington, Topographer in Charge of Indian Surveys, under his special instructions dated October 11, 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) Fred Dennett

Commissioner of the General Land Office, Salt River Indian Res'n, Arizona

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

Fred Dennett
U. S. Surveyor General.

Commissioner of the General Land Office.

112A

Washington, D. C., *July 15* 1913

I hereby certify that the survey of the subdivision and meanders T. 4 N., R. 7 E., Salt River Indian Reservation, Arizona, was made u my direction and supervision, and to the best of my knowledge and be the field work was executed in strict accordance with the special in structions given me, dated October 11, 1910, and the Manual of Surve Instructions, and that these field notes are a correct representatic thereof.

2002-1007

A. F. Dunnington
Topographer in Charge.