2472   **BOOK 2472**

4—679

Uncertified Copy of
FIELD NOTES
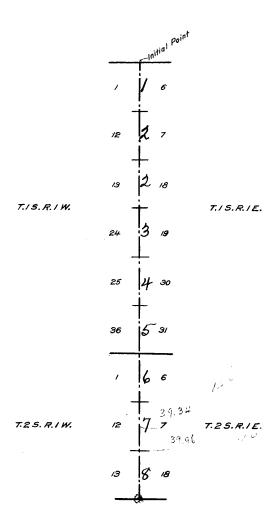
RESURVEY
OF THE ~~SURVEY~~ OF THE

Gila and Salt River Meridian thru
TOWNSHIP Nº 1 SOUTH and N.½ of
TOWNSHIP Nº 2 SOUTH

*This book is
eliminated*

See 3457

Of the *Gila and Salt River Base Line* ~~Meridian~~,

In the State of .... *ARIZONA*

EXECUTED BY

Guy P. Harrington, U.S. Surveyor
and R. A. Farmer, Topographer

~~In the capacity of U. S. Surveyor~~ ..., *under instructions dated* .... *, 191...,*

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

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

Office, ... *, 191..., pursuant to authority contained in the Act of*

Congress dated .... *, 191...*

Re *Survey commenced* .... *December 5* ...., *1910*

Re *Survey completed* .... *January 4* *1912*

6—151

INDEX DIAGRAM.

Township _____, *Range* _____

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

6—151

BOOK 2472

Gila & Salt River Principal Meridian
through Tps. 1 & 2 S.

Initial Point

1   1   6

12   2   7

13   2   18

T.IS.R.I W.   *T.I S.R.I E.*

24   3   19

25   4   30

36   5   31

1   6   6

39.34

T.2 S.R.I W.   12   7   7   *T.2 S.R.I E.*

39.96

13   8   18

Resurvey of the Gila & Salt River Principal Meridian.

Survey commenced Dec. 5, 1910, by Guy P. Harrington, U. S. Surveyor.

The iron posts used in this survey are 3 ft. long and set 26 ins. in the ground. The posts at section corners and ¼ sec. cors. are 1 inch in diameter, and those at township corners are 3 inches in diameter. The posts are filled with cement and fitted with brass caps.

Note: A plus error of 10.00 chs. in the first mile of the original survey of the Prin. Meridian has been discovered, and as no surveys have been closed on this portion of the Prin. Meridian; I abandon the original survey and establish the meridian anew.

Dec. 5, 1910. At 9 a.m., l.m.t., I set off 33° 22' on the lat. arc, 22° 18' S. on the decl. arc, and determine a meridian with the solar, at the Gila & Salt River initial point of the Arizona Surveys, heretofore described (mound of rock 6 ft. base, and 8 ft. high, on the summit of a sharp topped mountain about 20.00 chs. south of the junction of the Gila & Salt Rivers).

Thence I run

South bet. secs. 1 and 6, T. 1 S., Rgs. 1 E. and 1 W., which is the W. bdy. of the Gila River Indian Reservation.
Descending precipitous S. slope of mountain.

26.18	Foot of steep descent. Road, brs. N. 45° W. and S. 45° E.
32.00	Wash, course N. 60° E. Thence through scattered brush.
39.00	Wash, course N. 60° E.
40.00	Set an iron post for ¼ sec. cor., with cap stamped

    ¼ S 1 in W. half
      S 6 G R I R in E. half
      1910 in S.

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

(Find no trace of the old ¼ sec. cor.)

48.00	Wash, course N. 60° E.
64.00	Small wash, course N. 20° W.
80.00	Set an iron post for the cor. of secs. 1, 6, 7 and 12, with cap stamped

    T 1 S S 6 in NE. quadrant
    R 1 E S 7 in SE. "
           S 12 in SW. "
    R 1 W S 1 in NW. "
    G R I R in E., and 1910 in S.
    1 notch on N. and 5 notches on S. edge

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

BOOK 2472

Resurvey of the Gila & Salt River Principal Meridian.

Chains	
	(Find no trace of the old sec. cor. near).

Land, rough and mountainous.
Soil, stony, 3rd rate.
Scattered brush of greasewood, palo verde and giant
   cactus, 48.00 chs.

South bet. secs. 7 and 12, T. 1 S., Rgs. 1 E. and 1 W.,
   which is the W. bdy. of the Gila River Indian Reservation.
Over mountainous land, through scattered brush.

4.50 Gulch, course N. 20° E.

10.08 Fall 48 lks. E. of a stone, 12x12x36 ins. above ground,
   firmly set, and properly marked for the cor. of secs.
   1, 6, 7 and 12, and witnessed by a mound of stone 4 ft.
   base, 4 ft. high, S. of stone. I destroy this cor.

12.00 Gulch, 2.00 chs. wide, course N. 45° E.

40.00 Set an iron post for the ¼ sec. cor. bet. secs. 7 and 12,
   with cap stamped

        ¼ S 12   in W. half
          S 7 G R I R in E. half
          1910   in S.

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

50.36 Fall 89 lks. E. of a stone 4x10x6 ins., above ground,
   marked for ¼ sec. cor., bet. secs. 7 and 12, and wit-
   nessed by a mound of stone to the South. I destroy
   this cor.

52.00 Wash, course N. 20° E. Thence precipitous ascent of
   peak bearing E. and W.

80.00 On steep N. slope of mountain.
Set an iron post for cor. of secs. 7, 12, 13 and 18,
   with cap stamped

        T 1 S S 7 in NE. quadrant
        R 1 E S 18 in SE.   "
              S 13 in SW.   "
        R 1 W S 12 in NW.   "
        G R I R in E., and 1910 in S.
        2 notches on N. and 4 notches on S. edge

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

Land, mountainous.
Soil, stony, 3rd rate.
Scattered brush of palo verde, greasewood and giant cactus,
   80.00 chs.

South bet. secs. 13 and 18, T. 1 S., Rgs. 1 E. and 1 W.,
   which is the W. bdy. of the Gila River Indian Reservation.
Continuing ascent of mountain.

11.20 Fall 102 lks. E. of a stone 12x4x8 ins. above ground,
   firmly set and marked for the cor. of secs. 7, 12, 13
   and 18, and witnessed by a mound of stone 3 ft. base,
   2 ft. high, S. I destroy this old cor.

Resurvey of the Gila & Salt River Principal Meridian.

12.00	Top of ascent. Spur brs. N. 80° W. and S. 80° E. Thence along steep E. slope of mountain.
19.25	Spur, brs. E. and W.
34.00	Foot of steep descent. Wash, course S. 60° E.
40.00	On N. bank of wash. Set an iron post for ¼ sec. cor. bet. secs. 13 and 18, with cap stamped

¼ S 13   in W. half
  S 18   G R I R   in E. half
  1910   in S.

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

(Find no trace of the old cor. at any point along the line)

51.00	Begin precipitous ascent of spur, brs. E. and W.
59.00	Top of ascent. Spur, brs. E. and W. Thence descend.
69.50	Wash, course N. 60° E.
80.00	Set an iron post for the cor. of secs. 13, 18, 19 and 24, with cap stamped

T 1 S   S 18   in NE. quadrant
R 1 E   S 19   in SE.   "
        S 24   in SW.   "
R 1 W   S 13   in NW.   "
G R I R in E., and 1910   in S.
3 notches on N. and S. edges

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

Land, mountainous.
Soil, stony, 3rd rate.

South bet. secs. 19 and 24, T. 1 S., Rgs. 1 E. and 1 W.,
 which is the W. bdy. of the Gila River Indian Reservation.
Over mountainous land.

8.50	Gulch, course N. 60° E.
12.56	Fall 160 lks. W. of a stone, firmly set and properly marked for the cor. of secs. 13, 18, 19 and 24, and witnessed by a mound of stone. I destroy this corner.
31.00	Rocky gulch, course E. Thence precipitous ascent of SE. slope of spur.
40.00	On steep NE. slope of spur. Set an iron post for the ¼ sec. cor. bet. secs. 19 and 24, with cap stamped

¼ S 24   in W. half
  S 19   G R I R   in E. half
  1910   in S.

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

44.00	Top of spur, brs. N. 70° E. and S. 70° W. Thence descend.

Resurvey of the Gila & Salt River Principal Meridian.

Chains	
51.00	Rocky gulch, course N.70°E.
	Thence steep ascent, brs. E. and W.
80.00	On steep N. slope.
	Set an iron post for cor. of secs. 19, 24, 25 and 30, with cap stamped

```
                    T 1 S   S 19   in NE. quadrant
                    R 1 E   S 30   in SE.     "
                            S 25   in SW.     "
                            S 24   in NW.     "
                    G R I R  in E.,  and 1910  in S.
                    4 notches on N. and 2 on S. edge
```

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

Land, mountainous.
Soil, stony, 3rd rate.

South bet. secs. 25 and 30, T. 1 S., Rgs. 1 E. and 1 W., which is the W. bdy.of the Gila River Indian Reservation.

Continuing steep ascent.

7.00	Top of ascent. Ridge, brs. E. and W.
	Thence descent steep SE. slope.
18.00	Foot of steep descent, brs. NE. and SW.
22.00	Rocky gulch, course S. 45° E., soon turns E.
	Thence ascend.
34.00	Spur, brs. E. and W. Thence steep descent.
40.00	On steep SE. slope.
	Set an iron post for ¼ sec. cor. bet. secs. 25 and 30, with cap stamped

```
                    ¼ S 25   in W. half
                      S 30  G R I R  in E. half
                      1910   in S.
```

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

47.00	Rocky gulch, course S. 45° E.
50.00	Rocky gulch, course S. 70° E.
53.00	Rocky ridge, brs. S. 70° E. and N. 70° W.
57.00	Rocky gulch, course E.
71.00	Rocky gulch, course N. 70° E.
	Begin steep ascent, brs. E. and W.
80.00	On steep N. slope.
	Set an iron post for the cor. of secs. 25, 30, 31 and 36, with cap stamped

```
                    T 1 S   S 30   in NE. quadrant
                    R 1 E   S 31   in SE.     "
                            S 36   in SW.     "
                    R 1 W   S 25   in NW.     "
                    G R I R  in E.,  and 1910  in S.
                    5 notches on N. and 1 notch on S. edge
```

Resurvey of the Gila & Salt River Principal Meridian

Chains.	
	Build a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, stony, 3rd rate.

South bet. secs. 31 and 36, T. 1 S., Rgs. 1 E. and 1 W., which is the W. bdy. of the Gila River Indian Reservation.

Over mountainous land, continuing steep ascent.

5.50	Top of ascent in saddle on spur, brs. E. and W. Thence descend.
27.00	Rocky gulch, course E.
40.00	Set an iron post for ¼ sec. cor. bet. secs. 31 and 36, with cap stamped

```
                ¼ S 36   in W. half
                  S 31   G R I R   in E. half
                  1910   in S.
```

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

56.00	Rocky gulch, course E. Thence steep ascent of spur.
67.00	Top of spur, brs. N. 50° E. and S. 50° W.
76.00	Rocky gulch, course N. 60° E.
80.00	Set an iron post for the cor. of Tps. 1 and 2 S., Rgs. 1 E. and 1 W., with cap stamped

```
          T 1 S   S 31   in NE. quadrant
          R 1 E   S  6   in SE.     "
          T 2 S   S  1   in SW.     "
          R 1 W   S 36   in NW.     "
          G R I R   in E.,   and 1910   in S.
          6 notches on N., E., S. and W. edges
```

Build a mound of stone 6 ft. base, 4 ft. high, S. of post.

Land, broken and mountainous.
Soil, stony, 3rd rate.

Note: The last old corner found was at a point 12.56 S. of the cor. of secs. 13, 18, 19 and 24. Diligent search was made for other corners on both sides of line, but none were found.

                                        Dec. 7, 1910.

                              Guy P. Harrington,
                                U. S. Surveyor.

Resurvey of the Gila & Salt River Principal Meridian.

Surveyed by R. A. Farmer, Topographer.

Jan. 2, 1912. At the cor. of secs. 1, 6, 31 and 36, Tps. 1 and 2 S., Rgs. 1 E. and 1 W., at 0h 42.5m a.m., by my watch which has been set to l.m.t., I observe Polaris at western elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 5.00 chs. northerly of my station.

Jan. 2, 1912. At 8 a.m., l.m.t., I lay off the azimuth of Polaris 1° 23' to the east, and mark the meridian thus determined by a tack driven in a wooden plug, firmly set in the ground, east of the point established last night.

The magnetic bearing of the true meridian is N. 13¾° W., which gives the magnetic declination 13¾° E.

From the cor. of secs. 1, 6, 31 and 36, Tps. 1 and 2 S., Rgs. 1 E. and 1 W., I run

South bet. secs. 1 and 6, T. 2 S., Rgs. 1 E. and 1 W., which is the W. bdy. of the Gila River Indian Res'n.

Over rocky N. slope of mountain, ascending.

The point for ¼ sec. cor. bet. secs. 1 and 6 will fall on unsafe ground, in slide rock on S. slope of mountain;   therefore at

34.60	Set an iron post for W.C. to the ¼ sec. cor., with cap stamped

¼ S 1   in W. half
S 6 G R I R   in E. half
W C 1912 in S.

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

Top of ascent, also top of Estrella Range bearing NW. and SE.   Begin steep descent of S. slope.

Difference bet. measurement of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set, 40.02 chs.
By 2nd set, 39.98 "   the mean of which is

40.00	The point for ¼ sec. cor. bet. secs. 1 and 6, on slide. After diligent search, no trace of the old cor. is found.

Jan. 2, 1912. At this point, I set off 22° 58' S. on the decl. arc, and at 12h 04m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 17', which is within one minute of the correct lat.

49.00	Head of dry drain, course W.
52.00	Top of small spur, brs. E. and W.
65.00	Head of dry drain, course N. 70° W.

Foot of descent; begin ascent of N. slope, brs. E. and W.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 10 lks.; position of middle point

By 1st set, 40.05 chs.
By 2nd set, 79.95 "   the mean of which is

80.00	The true point for cor. of secs. 1, 6, 7 and 12, falls on

Resurvey of the Gila & Salt River Principal Meridian

Chains	
	boulders. After diligent search, no trace of the old cor.is found).
	Therefore at a point 1.00 ch. South, set an iron post for W.C. to the cor. of secs. 1, 6, 7 and 12, with cap stamped

> T 2 S   S   6   in NE. quadrant
> R 1 E   S   7   in SE.   "
>   S 12   in SW.   "
> R 1 W   S   1   in NW.   "
> W C 1912   in S., and G R I R   in E.
> 5 notches on S. and 1 notch on N. edge

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

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

<div align="right">Jan. 2, 1912.</div>

Jan. 3, 1912. At 8.00 a.m., l.m.t., I set off 33° 16' on
the lat. arc, 22° 52' S. on the decl. arc, and determine
a meridian with the solar, at the true point for the
cor. of secs. 1, 6, 7 and 12.

Thence I run

South bet. secs. 7 and 12, T. 2 S., Rgs. 1 E. and 1 W.,
which is the W. bdy. of the Gila River Indian Res'n.
Over broken, rocky mountains, ascending.

1.00	The W.C. to the cor. of secs. 1, 6, 7 and 12. Top of ascent, brs. E. and W. Thence along S. slope of spur.
16.70	Begin steep descent of S. slope of mountain, brs. SW. and NE.
25.00	Foot of steep descent. Dry drain, course S.60°W. Thence gradual descent over W. slope of slide rock, brs. SW. and NE.

Difference bet. measurements of 40.00 chs. by two sets
of chainmen is 6 lks.; position of middle point

> By 1st set, 40.03 chs.
> By 2nd set, 39.97 "   the mean of which is

40.00	The true point for ¼ sec. cor. bet. secs. 7 and 12 falls on big boulder; impracticable to set iron post.

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

40.10	Set an iron post for W.C. to the ¼ sec. cor., with cap stamped

> ¼ S 12   in W. half
> S 7 G R I R in E. half
> W C 1912 in S.

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

Jan. 3, 1912. At this cor., I set off 22° 53' S. on the
decl. arc, and at 12h 4m 9s p.m., l.m.t., observe the

Resurvey of the Gila & Salt River Principal Meridian.

Chains	
	sun on the meridian; the resulting lat. is 33° 16', which is within one minute of the correct lat.
	Thence gradual descent over very rough, rocky land.
64.00	Dry drain, course W. Thence over broken land.
	Difference bet. measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point
	By 1st set, 80.04 chs. By 2nd set, 79.96 ", the mean of which is
80.00	Set an iron post for the cor. of secs. 7, 12, 13 and 18, with cap stamped

```
                T 2 S   S  7  in NE. quadrant
                R 1 E   S 18  in SE.    "
                        S 13  in SW.    "
                R 1 W   S 12  in NW.    "
                G R I R  in E.
                1912  in S.
                2 notches on N. and 4 notches on S. edge
```

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

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

<div align="right">Jan. 3, 1912.</div>

Jan. 4, 1912. At 8 a.m., l.m.t., I set off 33° 16' on the lat. arc, 22° 46' S. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 7, 12, 13 and 18.

Thence I run

South bet. secs. 13 and 18, T. 2 S., Rgs. 1 E. and 1 W., which is the W. bdy. of the Gila River Indian Res'n.

Over broken, rocky land, ascending.

1.00	Top of spur, brs. E. and W. Top of ascent; begin steep descent.
11.10	Head of dry drain, course W. Foot of descent. Thence over nearly level rocky land, through greasewood, and scattered palo verde and ironwood timber bearing E. and W.
24.15	Dry wash, 40 lks. wide, course SW.
34.50	Dry wash, 20 lks. wide, course S. 60° W.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point
	By 1st set, 40.02 chs. By 2nd set, 39.98 " the mean of which is
40.00	Set an iron post for ¼ sec. cor. bet. secs. 13 and 18, with cap stamped

```
                ¼ S 13    in W. half
                S 18  G R I R  in E. half
                1912  in S.
```

Resurvey of Gila & Salt River Principal Meridian

Chains	
	Build a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Jan. 4, 1912. At this cor., I set off 22° 47' S. on the decl. arc, and at 12h 04m 37s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 15', which is within oneminute of the correct lat.
69.50	Dry wash, 20 lks. wide, course S. 70° W.
	Difference bet. measurement of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set, 80.03 chs.
By 2nd set, 79.97 "   the mean of which is

| 80.00 | Set an iron post (3 ins. dia.) for the cor. of secs. 13, 18, 19 and 24, which is also the SW. cor. of the Gila River Indian Reservation, with cap stamped |

T 2 S   S 18   SW Cor G R I R   in NE. quadrant
R 1 E   S 19   in SE. quadrant
       S 24   in SW.   "
R 1 W   S 13   in NW.   "
1912   in S.
3 notches on N. and S. edges

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

Land, mountainous, 30.00 chs.; level, 50.00 chs.
Soil, rocky, 4th rate.
Timber, scattered greasewood, ironwood and palo verde, 69.90 chs.
(Grazing land, 50.00 chs.).

Jan. 4, 1912.

R. A. Farmer,
Topographer.