

# FIELD NOTES

Of the Extension of Subdivision-of-Section Lines

Subdividing Omitted Land Bordering Gila River,

Township 3 South, Range 6 East,

3955

Of the Gila and Salt River Meridian,

In the State of Arizona

### EXECUTED BY

Francis E. Joy, U.S. Cadastral Engineer,

In the capacity of U. S. Surveyor, under Special Instructions dated April 4, 1932, issued by the United States Surveyor General to govern surveys included in Group No. 175, which were approved by the Commissioner of the General Land Office, April 15, 1932, and Assignment Instructions dated September 28, 1932.

3955

Survey commenced October 13, 1932.

Survey completed October 13, 1932.

# INDEX DIAGRAM.

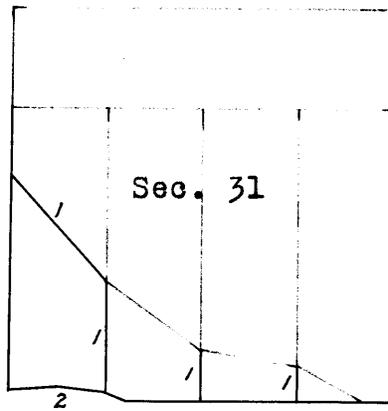
*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

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

INDEX DIAGRAM

Township 3 South, Range 6 East.

BOOK 3955



Black indicates lines surveyed or resurveyed under this group.

Orange indicates previously surveyed lines not retraced or resurveyed under this group.

Survey, Resurvey and Subdivision-of-section Lines,  
T. 3 S., R. 6 E.

Chains.

The extension of surveys along the Gila River, and re-tracements of surveys executed by Guy P. Harrington, U. S. Surveyor in 1911, in T. 3 S., R. 6 E., Gila and Salt River Meridian, were executed with a light mountain transit made by Buff & Buff, Serial No. 16723, made in accordance with the standard specifications of the General Land Office. For complete description of instrumental equipment see the field notes for T. 3 S., R. 4 E. of this group.

The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the cadastral engineer on September 28, 1932.

October 4, 1932, on the meridian determined by observation of Polaris and described in the field notes for T. 4 S., R. 5 E. of this group, every hour from 7:30 to 11:00 a.m. and from 1:00 to 4:30 p.m., I make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by observation on Polaris, has a minimum error of less than 1' 30".

I repeat the tests of the arcs daily by noon observations, and verify the meridional indications at frequent intervals throughout the survey of this group.

I commence at the old meander cor. on the N. and S. center line SE $\frac{1}{4}$  sec. 31, T. 3 S., R. 6 E., which is an iron post, 1 in. diam., 10 ins. above ground, firmly set, and marked as described in the official record.

Thence

S. 0° 03' E., on the N. and S. center line of the SE $\frac{1}{4}$ .

Over level bottom land, through scattering cottonwood and arrowweed.

1.70 Road, bears NW. and SE.

6.72 The E. 1|16 sec. cor. bet. secs. 6 and 31 on the S. bdy. of the Tp., heretofore described.

Thence from the original meander cor. on the N. and S. center line of sec. 31, which is an iron post, 1 in. diam., 6 ins. above ground, firmly set, marked as described in the official record.

S. 0° 03' E., on the N. and S. center line.

Descend bank, 6 ft. high, bears NW. and SE. Thence over level bottom land, through cottonwood and scattering arrowweed.

.90 Road, bears E. and W.

2.60 Road, bears NW. and SE.

9.75 The  $\frac{1}{4}$  sec. cor. bet. secs. 6 and 31 on the S. bdy. of the Tp., heretofore described.

Thence from the original meander cor. on the N. and S. center line of the SW $\frac{1}{4}$  of sec. 31, which is an iron post, 1 in. diam., 5 ins. above ground, firmly set, and marked as described in the official record.

Chains.

S. 0° 03' E., on the N. and S. center line of the SW 1/4.  
Descend sloping bank, 6 ft. high, bears NW. and SE.  
Thence over level bottom land, through scattering cottonwood and arrowweed, and along fence.

3.83 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for SW. 1/16 sec. cor., with brass cap mkd.

SW 1/16 S31

1932 from which

A cottonwood, 16 ins. diam., bears S. 6° 00' W., 56 lks. dist., mkd. SW 1/16 S31 BT

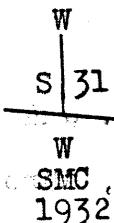
A cottonwood, 24 ins. diam., bears S. 63° 30' W., 106 lks. dist., mkd. SW 1/16 S31 BT

11.10 Leave fence, bears E.

11.25 Road, bears NW. and SE. and a branch turns S. on E. side of line.

22.73 The right bank of the Gila River, sloping, 5 ft. high, bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for special meander cor., with brass cap mkd.



from which

A cottonwood, 14 ins. diam., bears N. 71° 00' E., 128 lks. dist., mkd. S31 SMC BT

A cottonwood, 14 ins. diam., bears N. 32° 15' W., 194 lks. dist., mkd. S31 SMC BT

Thence from the original meander cor. for secs. 31 and 36 on the W. bdy. of T. 3 S., R. 6 E., heretofore described, I retrace the original meander line as follows in sec. 31.

Over level land, through scattering mesquite.

S. 41° 34' E., 28.96 chs. At 1.50 chs., road, bears NW. and S.

12.00 chs. Fence, bears N. and S. Enter cultivated land.

18.00 chs. middle of dry bed of slough, 2.00 chs. wide, bears NE. and SW. leave cultivated land.

20.45 chs. Fence, bears NE. and SW.

26.60 chs. Road, bears N. and

To the original meander cor.

on W. 1/16 sec. line.

Meanders, T. 3 S., R. 6 E.

BOOK 3955

Meanders of the right bank of the Gila River, up stream.

I commence at the meander cor. bet. secs. 31 and 36 on the W. bdy. of T. 3 S., R. 6 E., heretofore described.

Thence with meanders in sec. 31.

Over level bottom land, through scattering cottonwood and arrowweed.

N. 86° 22' E., 10.16 chs. At 8.10 chs. descend bank 3 ft. high, bears NE. and SW. Enter low bottom.

S. 84° 05' E., 9.16 chs. At 8.20 chs. ascend bank, 2 ft. high, bears NW. and SE. To special meander cor. on N. and S. center line of SW $\frac{1}{4}$ .

S. 70° 07' E., 2.84 chs. At 1.60 chs. road, bears N. and S. To the meander cor. for secs. 31 and 36 on S. bdy. of Tp., heretofore described.

Land, level.

Soil, sandy loam; 1st and 3rd rates.

Timber, cottonwood; undergrowth, arrowweed and mesquite.

For final test of the solar attachment on a meridian determined by observation on Polaris, see the final test in the field notes for T. 4 S., R. 6 E. of this group.

October 13, 1932.

General Description.

That portion of sec. 31, T. 3 S., R. 6 E. included within the notes for the foregoing survey is all bottom land, a light sandy silt loam soil, 1st rate.

Considerable cottonwood timber is found on the entire area.



BOOK 3955

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Francis E. Joy, Cadastral Engineer, U. S. ~~Surveyor~~ hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 4th day of April, 1932, I have well, faithfully, and 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 ~~the extension of~~ subdivision-of-section lines subdividing omitted land bordering Gila River, Township 3 South, Range 6 East.

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and 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 District Cadastral Engineer for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Phoenix, Arizona,  
December 28, 1932.

Francis E. Joy  
U. S. Cadastral Engineer.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,  
Denver, Colorado, MAR 23 1933, 19

The foregoing field notes of the survey of the extension of subdivision-of-section lines subdividing omitted land bordering Gila River, Township 3 South, Range 6 East, of the Gila and Salt River Meridian, in the State of Arizona.

executed by Francis E. Joy, U.S. Cadastral Engineer, under his special instructions dated April 4, 1932, 19 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Quentin Johnson  
U. S. Supervisor of Surveys.

~~I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.~~

~~U. S. Supervisor of Surveys~~