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BOOK " A "

BOOK 2765

# FIELD NOTES

OF THE SURVEY OF THE

Fractional Subdivision of Township 7 South, Range 22 West

PART OF THE

SUBDIVISION LINES OF

FRACTIONAL TOWNSHIP 7 SOUTH RANGE 22 WEST

Of the Gila and Salt River, Base and Meridian,

In the State of Arizona.

EXECUTED BY

A. C. Horton Jr.,

Assistant Supervisor of Surveys.

In accordance with the instructions, under instructions dated February 9, 1914, issued by the United States Surveyor General to govern surveys included in Group No. 33, which were approved by the Commissioner of the General Land Office, February 19, 1914.

Survey commenced March 26, 1914.

Survey completed March 27, 1914.

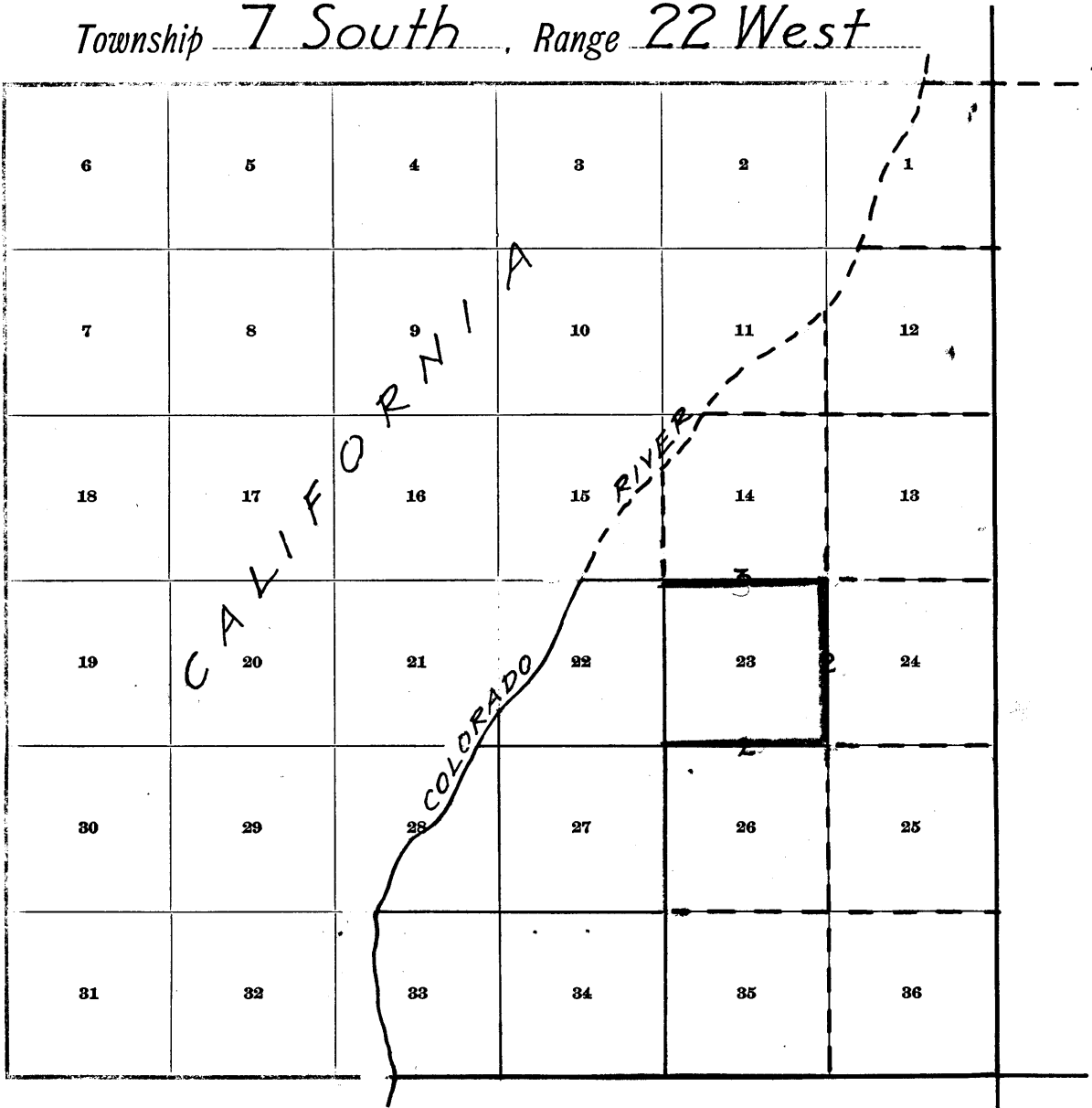
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# Book "A"

BOOK 2765

## INDEX DIAGRAM.

Township 7 South, Range 22 West



6-151

- Unsurveyed.
- Accepted Surveys.
- Notes in this book.

## Partial Subdivision of Fractional T. 7 S., R. 22 W.

## Chains.

Survey commenced March 26, 1914, and executed with Young and Sons No. 10 mountain transit No. 8478, with Smith solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

Measurements are made on the slope with a 5 chain, steel tape, the vertical angles determined with transit or clinometer, and the slope measurements properly reduced to true horizontal distances.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At 4h 20m p.m., app. t., near the Laguna boarding-house in lat.  $32^{\circ}49'$ ; longitude,  $114^{\circ}27'22''$  W., I set off  $32^{\circ}49'$  on the lat. arc;  $2^{\circ}12'30''$  N. on the decl. arc; and mark the meridian thus determined with the solar, on a stake set in the ground, about 10chs. N. of the instrument.

At 7h 10m p.m., l.m.t., I observe Polaris at western elongation, in accordance with instructions in the Manual, and mark the line thus determined by a stake driven in the ground about 10chs. N. of my station.

March 26, 1914.

March 27, 1914: At 7h 20m a.m., app. t. I set off  $32^{\circ}49'$  on the lat. arc;  $2^{\circ}26'30''$  N. on the decl. arc; and determine a meridian with the solar which falls  $1'30''$  east of the meridian determined by p.m. solar observation.

At 7h 30m a.m., app. t. I set off the azimuth of Polaris  $1^{\circ}22'$  to the east and find the meridian thus determined coincides with the meridian determined by p.m. solar observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian, at 7h 35m a.m. is  $N.14^{\circ}15'W.$ ; the angle thus determined gives the mag. decl.  $14^{\circ}15' E.$

Beginning at the cor. of secs. 22, 23, 26, and 27, as reestablished by the U.S. Reclamation Service from original cor., which is

A redwood post, 4 ins. sq., 24 ins. above ground, marked  
R22WS23 on NE.,  
T7SS22 on SE.,  
S26 on SW., and  
S26 on NW.

I reestablish the cor. as follows:

Set alongside an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, marked on brass cap, 1914 on S. rim,

T 7 S R 22 W in N. half;  
S 22 in NW.,  
S 23 in NE.,  
S 26 in SE., and  
S 27 in SW. quadrants

## Partial Subdivision of Fractional of T. 7 S., R. 22 W.

Chains.	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Thence I run
	East bet. secs. 23 and 26.
10.00	Asc. 25 ft. along dry wash, through scattering greasewood. Leave wash, course W. from S. $70^{\circ}$ E.; asc. broken, rocky SW. slope 135 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 23 in N., and S 26 in S. half,
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
63.50	Asc. 85 ft. over broken W. slope to Ridge, bears NW. and SE.; thence over rough, broken N. slope to
77.00	Spur, slopes N.; desc. 85 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, marked on brass cap, 1914 on S. rim, T 7 S R 22 W in N. half; S 23 in NW., S 24 in NE., S 25 in SE., and S 26 in SW. quadrants,
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	NOTE: Cor. stands on east side of ravine, course N. Land, rough, mountainous. Soil, gravelly and stoney; 2nd and 4th rates. No timber. Undergrowth, scattering greasewood and cacti.
	N. $0^{\circ}1'$ W. bet. secs. 23 and 24. Over rough, mountainous land.
.15	Leave ravine, course N. $10^{\circ}$ E.; desc. 50 ft. along broken east slope to
11.00	Ravine, course NW.; asc. 70 ft. over broken SW. slope.
24.20	Spur, slopes NW.; desc. 50 ft. along E. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in dia., in mound of stone on bed rock, for $\frac{1}{4}$ sec. cor., marked with brass cap $\frac{1}{4}$ S 23 in W., and S 24 in E. half, 1914 on S. rim, Pits impracticable.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Thence along rolling, rocky bench.
53.60	Brink of ravine; course E.; desc. 135 ft:
57.65	Bottom of ravine; asc. 190 ft.
59.70	North brink of ravine; desc. 75 ft. over rough, broken NE. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on bed rock, in mound of stone, 3 ft. base, 2 ft. high, for cor. of secs. 13, 14, 23, and 24, marked on brass cap T 7 S R 22 W in N. half; 1914 on S. rim, S 14 in NW., S 13 in NE., S 24 in SE., and S 23 in SW. quadrants.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Land, rough, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, cacti.

Partial Subdivision of Fractional T. 7 S., R. 22 W.

Chains.

At 11:30 am. At app. noon, I set off 2°30½' N. on the decl. arc; and observe the sun on the meridian.

The resulting latitude is 32°49' at The cor. of secs. 14, 15, 22, and 23, reestablished by U.S. Reclamation Service as follows:

- A redwood post, 4 ins. sq., 24 ins. above ground, marked
- S14 T 7 S on NE.,
- S23 R 22 W on SE.,
- S22 on SW., and
- S15 on NW. faces.

I reestablish the cor. as follows:

Set alongside an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, marked on brass cap 1914 on S. rim,

- T 7 S R 22 W in N. half;
- S 15 in NW.,
- S 14 in NE.,
- S 23 in SE., and
- S 22 in SW. quadrant.

Dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth, 4ft. base, 2 ft. high W. of cor. East on a random line bet. secs. 14 and 23.

40.00  
79.96

Set temp. ¼ sec. cor. Intersect N. and S. line 9 lks. S/ of cor. of secs. 13, 14, 23, and 24.

Thence I run

S. 89°56' W., on a true line bet. secs. 14 and 23. Asc. east slope 75 ft.

4.00  
8.10  
10.20  
12.00  
23.00  
39.98

- Spur, slopes N. 3° E.; desc. 90 ft.
- Ravine, course N. 10° E.; asc. 50 ft. to
- Spur, slopes N.; desc. 25 ft.
- Ravine, course N., asc. 220 ft.
- Ridge, bears NW. from S.; desc. 300 ft.
- Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
- ¼ S 14 in N., and S 23 in S. half
- 1914 on S. rim.

Pits impracticable, Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Cor. stands on steep, rocky west slope. Desc. 65 ft.

42.50  
44.00  
48.00  
49.50  
52.00  
54.00  
54.70  
55.40  
56.00  
56.20  
59.25  
79.96

- Wash, course N. 30° W.
- Railroad spur track, bears S. 30° E. and N. 30° W.; asc. 200 ft.
- Spur, slopes N.; desc. 125 ft.
- Water reservoir bears N. about 2 chs. dist.
- House, bears S. about 2 chs. dist.
- Foot of rocky descent; bears N. 15° E. and S. 15° W.; thence over level land of Colorado River bottom.
- Main canal, course S. 15° W.
- U.S. Reclamation Service boarding house bears N. 2.60 chs. dist.
- Wagon road to Yuma, bears S. 15° W. from N. 15° E.
- Enter dense arrow-weed and willow undergrowth.
- Lateral, bears N. and S.
- Cor. of secs. 14, 15, 22, and 23.
- Land, rough mountainous and level.
- Soil, loam and rocky; 1st and 4th rates.
- No timber.
- Undergrowth, arrow-weed and willow.

March 27, 1914.

General Description.

There are approximately 80 acres of rich, irrigable land in the north-west portion of sec. 23, T. 7 S., R. 22 W.

Partial Subdivision of Fractional T. 7 S., R. 22 W.

The remaining land in sec. 23 is rough, rocky, barren and without water.

*Asst. Sup.*

Assistant Supervisor of Surveys.

J. E. ...

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CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, A. S. Horton Jr. Assistant Supervisor of Surveys, U.S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of

the subdivision lines of Fractional Township 7 South, Range 22 West

of the Sila and Jack Carr Base and Meridian, in the State of Arizona

which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<u>Robert Seelye</u>	<u>1914</u> March 25	<u>1914</u> March 28	<u>Chairman</u>
<u>J. J. Purnan</u>	March 25	March 28	<u>Chairman</u>
<u>Ed Brown</u>	March 25	March 28	<u>Flagman</u>
<u>J. H. Strueter</u>	March 25	March 28	<u>Cornerman</u>

Subscribed and certified to before me on the dates of the final service as shown above.

A. S. Horton Jr.  
Assistant Supervisor of Surveys.

38  
BOOK 2765

FINAL OATH OF UNITED STATES SURVEYOR.  
ASSISTANT SUPERVISOR OF SURVEYS.

I, A. C. Horton Jr., Assistant Supervisor of Surveys, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona, for Group 33 bearing date of the 9th day of February, 1914, 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 the subdivision lines of fractional of T. 7 S., R. 22 W.,  
  
of the Gila & Salt River  
Base and 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 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 Arizona for Group 33 and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

*A. C. Horton Jr.*  
Assistant Supervisor of Surveys

Subscribed by said A. C. Horton Jr., and sworn to before me }  
this 3rd day of June, 1915.

*Frank Sengall*  
Surveyor General of Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
Phoenix Arizona, June 23, 1915

The foregoing field notes of the survey of part of the  
Subdivision lines of  
Fractional Township 7 South Range 22 West  
of the Gila and Salt River Base and Meridian  
in the State of Arizona

executed by A. C. Horton Jr., Assistant Supervisor of Surveys under his special instructions dated February 9, 1914 for Group 33, ~~1914~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank Sengall*  
Surveyor General of Arizona.

~~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.~~