

3175

Book "D."

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BOOK 3175

FIELD NOTES

Re-
OF THE SURVEY OF THE

3175

3175

..... East Boundary

.....

..... and SURVEY of

..... North Boundary,

..... Subdivision Lines, and

..... Meanders of Left Bank of Colorado River,

..... ALL OF FRAC. TOWNSHIP 4 SOUTH, RANGE 24 WEST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

William B. Kimmel,

In the capacity of U. S. Surveyor, under instructions dated February 5,, 1915,

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

Group No. 47, which were approved by the Commissioner of the General Land

Office, February 23,, 1915.

Resurvey & Survey commenced May 12,, 1915

Resurvey & Survey completed May 15,, 1915.

Executed under Assignment
Instructions dated Feb. 27, 1915.

3175
Book "D."

Group 47 - - Arizona.

See Special Index Diagram.

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

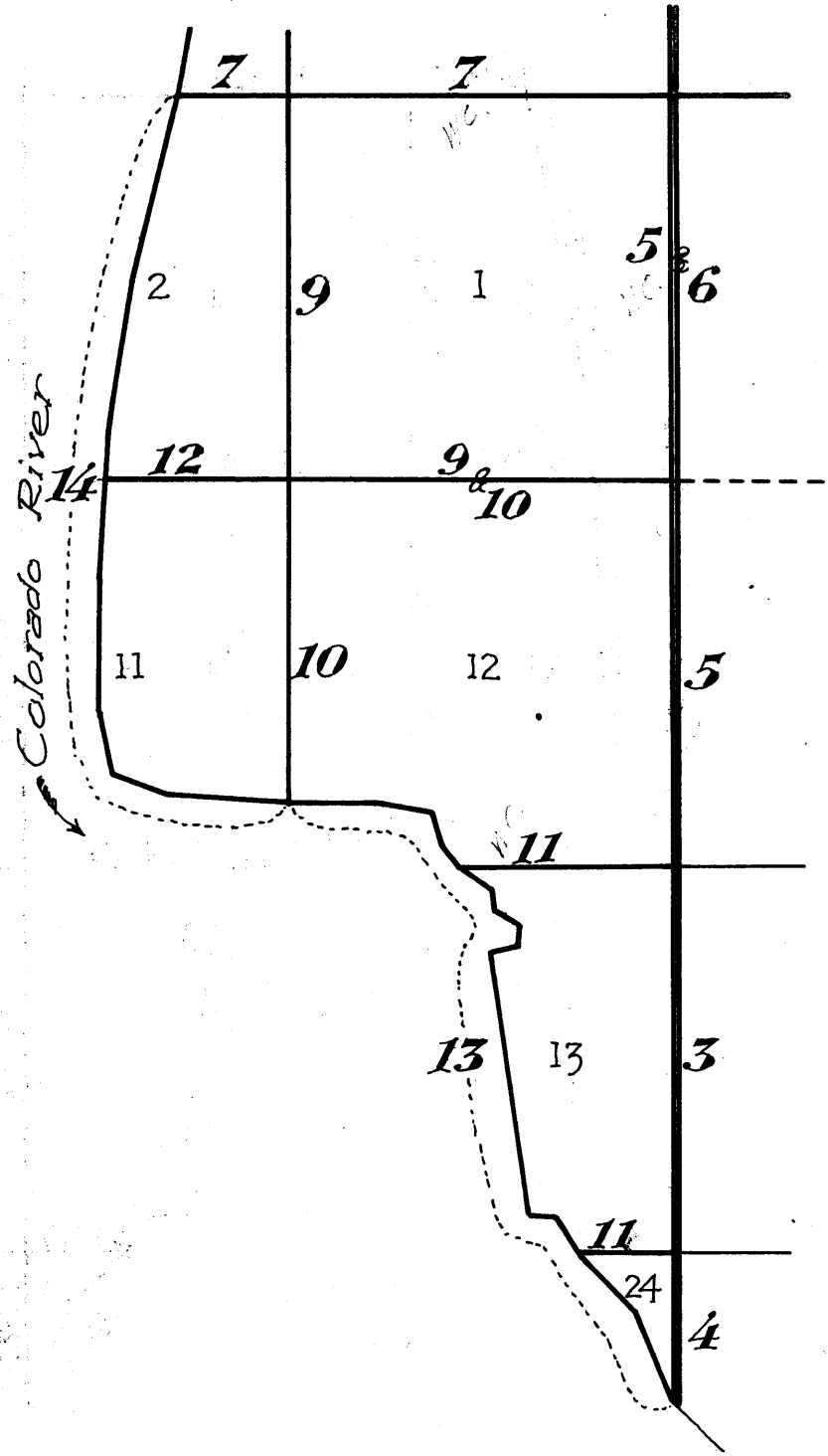
1A

INDEX DIAGRAM.

3175

Book "D" Group 47 - - - Arizona.

Practipnal Township 4 South, Range 24 West.



- Surveyed under this Group. Notes in this Book. 3175
- Resurveyed under this Group. Notes in this Book. 3175
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- Accepted surveys.
- Unsurveyed.

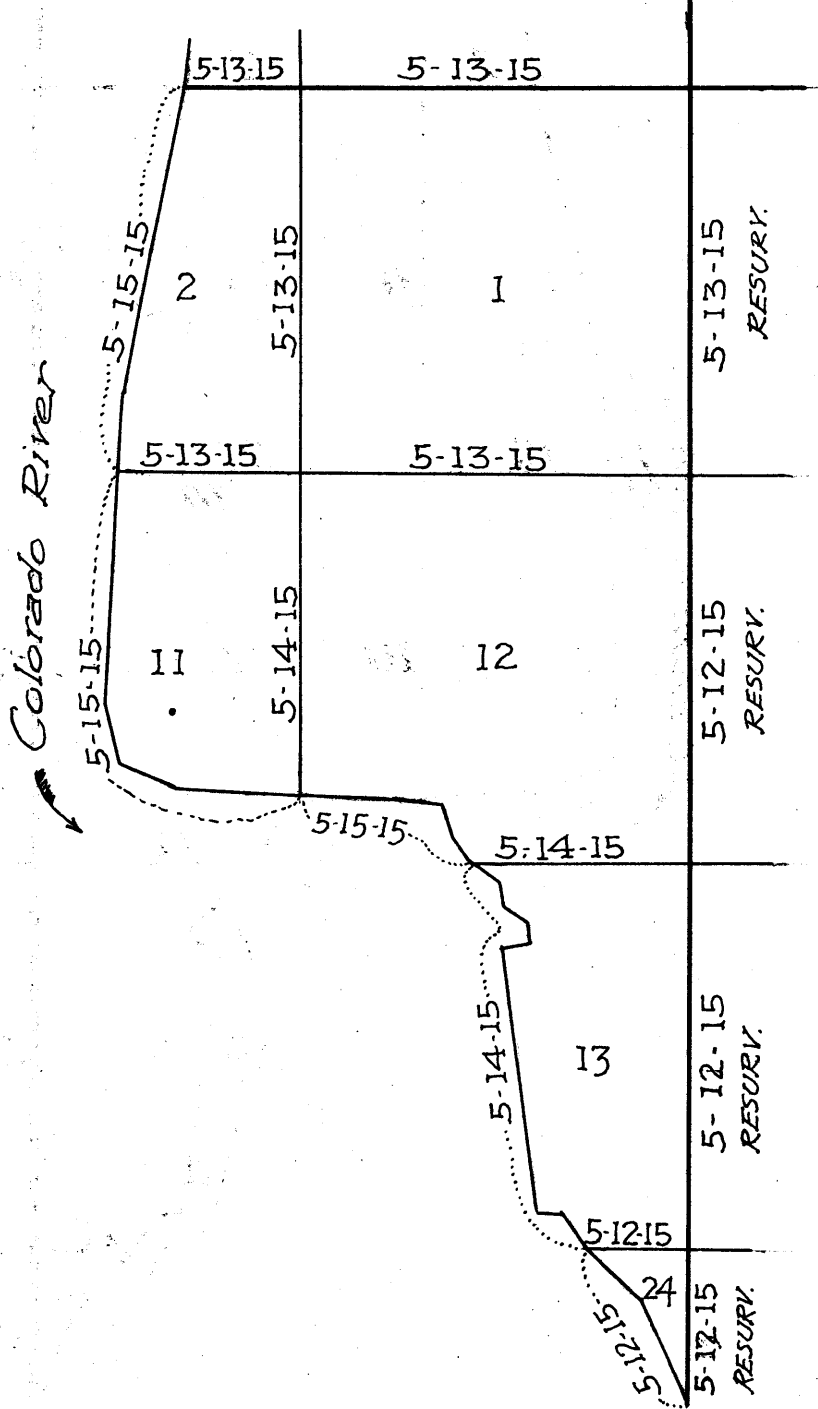
DATE DIAGRAM.

BOOK 3175

Book "D"

Group 47 - - Arizona.

Fracl. Township 4 South, Range 24 West.



Surveys and resurveys executed on dates shown on above diagram by William B. Kimmel, U.S. Surveyor.

Dependent Resurvey of
A portion of East bdy. of Fracl. Township 4 South, Range 24 West. 3

Chains.

Resurvey and Surveys hereinafter described, executed by William B. Kimmel, U.S. Surveyor, on dates shown on diagram on page 2 of this book, using a Young and Son's light mountain transit No. 8523, described in Book "A." From recent and repeated field tests of the transit and solar attachment on the meridian established by observations on Polaris, and described in Book "A," they are known to be in satisfactory adjustment. From cor. of secs. 7, 18, and fracl. secs. 12 and 13, which is a lava stone, 14x10x8 ins. firmly set, marked and witnessed, as described by the Surveyor General, S. 0° 6' E., bet. sec. 18, and fracl. sec. 13 (N. 1/2) Over broken stony land, thru. scattering timber & undergrowth. Descend 32 ft. to

- 4.41 Ravine, course SE. Thence over rolling land.
- 14.20 Ravine, course W.
- 31.73 Foot of hills brs. NW. and SE. Enter river bottom.
- 40.00 Wash, 20 lks. wide, 1 ft. deep, course SW.
- 40.22 Point of original location of 1/4 sec. cor. determined from old bearing trees, as follows:
 An ironwood, 8 ins. in diam., brs. N. 33° E., 89 lks. dist., marked 1/4 S 18 B T.
 A palo verde, 8 ins. in diam., brs. S. 33° W., 161 lks. dist., marked 1/4 S 13 B T.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 13 | S 18
1915

from which, establish as new bearing trees:
 An ironwood, 7 ins. diam., brs. N. 69° E. 45 lks. dist., marked 1/4 S 18 B T., and
 An ironwood, 8 ins. in diam., brs. S. 42 1/2° W., 243 lks. dist., marked 1/4 S 13 B T.

- Thence, S. 0° 14' E., bet. secs. 18, and fracl. sec. 13. (S. 1/2).
- 11.98 Leave river bottom, brs. NW. and SE. Ascend rough W. slope of spur, 46 ft. to
- 19.03 Spur, slopes W. Descend along broken W. slope, 124 ft. to
- 35.35 Foot of hills, brs. NW. and SE. Enter river bottom. Thence over level land.
- 37.21 Wagon road brs. SE & NW. Extends N. to Parker & S. to Yuma.
- 39.08 The original cor. of sec. 18, and fracl. secs. 13, 19 and 24, which is a stone, 18x10x10 ins., with marks nearly obliterated. Reestablish cor. in same place, as follows:
 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of sec. 18 and fracl. secs. 13, 19 and 24, marked on brass cap,

T4S
R24W | R23W
S13 | S18
S24 | S19
1915

from which,
 A mesquite, 8 ins. in diam., brs. N. 1/2° E., 100 lks. dist., marked T 4 S R 23 W S 18 B T.
 No other trees within limits. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Land, level and rolling.
 Soil, stony and sandy silt, 2nd and 4th rate.
 Timber, scattering palo verde, ironwood and mesquite.
 Undergrowth, dense greasewood and arrowweed.
 No grass.

South on a true line, bet. fracl. secs. 19 and 24.
 Over level bottom land, through scattering timber and undergrowth.

Dependent Resurvey

4.

Chains

11.10 Wash, 20 lks. wide, 3 ft. deep, course SW.

31.30 After diligent search in this vicinity, find no trace of original meander cor.; therefore, Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished meander cor. of fracl. secs. 19 and 24, marked on brass cap,

T4S
R24W R23W
S24 S19
M C
~~1915~~

from which,

A mesquite, 16 ins. in diam., brs. N. 4° E., 63 lks. dist., marked T 4 S R 23 W S 19 M C B T.

A willow, 20 ins. in diam., brs. N. 77° W., 140 lks. dist., marked T 4 S R 24 W S 24 M C B T.

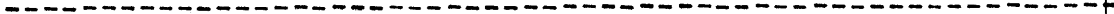
Level bottom land.

Soil, sandy silt, 2nd rate.

Timber, scattering mesquite and willow.

Undergrowth, dense arrowweed.

No grass.



Independent Resurvey of

A portion of East bdy. of Fracl. Township 4 S., R. 24 W. 5

Chains.

In place of the original cor. of secs. 7, 18, and fracl. secs. 12 and 13, hereinbefore described, Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 7, 18, and fracl. secs. 12 and 13, marked on brass cap,

T4S
R24W | R23W
S12 | S7
S13 | S18
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Thence,

North, bet. sec. 7 and fracl. sec. 12.

Over rolling and hilly land, through scattering timber and undergrowth.

Ascend rolling SW. slope, 90 ft. to

- 5.75 Spur, slopes W. Descend N. slope, 54 ft. to
- 9.20 Ravine, course NW. Ascend SW. slope, 129 ft. to
- 19.00 Rocky point, slopes W. Ascend S. slope, to
- 26.48 Spur, slopes W. Ascend gradual slope.
- 30.42 Spur, slopes NW. Descend NW. slope, 119 ft. to
- 32.51 Ravine, course W. Ascend gradual slope to
- 36.69 Ridge, brs. E and W. Thence along west slope.
- 39.37 Original sec. cor., as described by the Surveyor General, brs. E. 2 lks. dist. Destroy this cor.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock in a mound of stone, for reestablished sec. cor., marked on brass cap,

1/2 S12 | S7
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

- 42.72 Spur, slopes NW. Descend 213 ft. to
- 52.29 Ravine, course SW. Ascend S. slope, 154 ft. to
- 59.49 Ridge, brs. E and W. Descend N. slope, 96 ft. to
- 68.75 Ravine, course W. Ascend 34 ft. to
- 75.00 Descend 40 ft. to
- 78.99 Original cor. of secs. 1, 6, 7, and fracl. sec. 12, as described by the surveyor general, brs. W., 1 lk. dist. Destroy this cor.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 20 ins. in the ground, to solid rock in a mound of stone, for reestablished cor. of secs. 1, 6, 7 and fracl. sec. 12, marked on brass cap,

T4S
R24W | R23W
S1 | S6
S12 | S7
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, hilly and rolling.

Soil, rocky, 4th rate.

Timber, scattering palo verde and ironwood.

Undergrowth, dense greasewood.

No grass.

North, bet. secs. 1 and 6.

Over rolling, hilly land, through scattering timber and undergrowth.

Descend N. slope, 34 ft. to

- 4.03 Ravine, course NW. Ascend 29 ft. to
- 10.84 Rolling hills; descend gradual slope to
- 14.94 Ravine, course SW. Ascend SW. slope, 104 ft. to
- 18.09 Spur, slopes NW. Descend N. slope, 74 ft. to

Independent Resurvey of

6 A portion of E. bdy. of fracl. Township 4 South, Range 24 West.

Chains.

- 21.41 Ravine, course W. Ascend SW. slope, 52 ft. to
- 26.35 Ridge, brs. NW and SE. Descend NE. slope, 113 ft. to
- 36.16 Gulch, course NW.
- 40.00 After diligent search in this vicinity find no trace of original $\frac{1}{4}$ sec. cor.
True point for reestablishment of $\frac{1}{4}$ sec. cor. falls in wash, course SW.; therefore, at
- 39.56 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground, to solid rock, in a mound of stone, for witness cor. to reestablished $\frac{1}{4}$ sec. cor., marked on brass cap,

S 1 | S 6
 1915

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

- 59.66 Gulch, course SW. Ascend 54 ft. to
- 62.83 Spur, slopes W. Descend gradual slope to
- 65.64 Ravine, course W.
- 77.81 Ravine, course SW.
- 79.16 The original cor. of T. 3 S., R. 23 W., fracl. T. 4 S., R. 23 W., and fracl. Ts. 3 and 4 S., R. 24 W., which is a volcanic stone, 22x8x7 ins., in a mound of stone, marked and witnessed as described by the surveyor general, brs. W. 19 lks. dist. Destroy this cor., and at
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in ground for reestab. cor. of Ts. 3 S., R. 23 W., fracl. T. 4 S., R. 23 W., and fracl. Ts. 3 and 4 S., R. 24 W., marked on brass cap,

T3S
 R24W | R23W
 S36 | S31
 S 1 | S 6
 T4S
 1915

from which,

An ironwood, 5 ins. in diam., brs. S 13° E., 55 lks. dist., marked T 4 S R 23 W S 6 B T.

No other trees in limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.

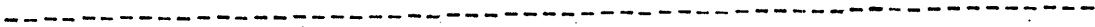
Land, rolling and hilly.

Soil, rocky, 4th rate.

Timber, scattering palo verde, mesquite and ironwood.

Undergrowth, greasewood.

No grass.



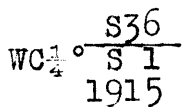
Survey of N. bdy. of fracl. Township 4 South, Range 24 West. 7.

Chains.

From reestablished cor. of T 3 S., R. 23 W., fracl. T. 4 S. R. 23 W., and fracl. T. 3 and 4 S., R. 24 W. hereinbefore described,

West, bet. sec. 1, and fracl. sec. 36. Over rolling, hilly land, through scattering timber and undergrowth.

- Ascend rolling SE. slope, 83 ft. to
- 12.35 Ridge, brs. SW. and NE. Descend NW. slope, 118 ft. to
- 20.66 Ravine, course NW. Descend over rolling land, 68 ft. to
- 39.70 Wash, 100 lks. wide, 3 ft. deep, course NW.
- 40.00 True point for $\frac{1}{4}$ sec. cor. falls in wash; therefore, at
- 39.50 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,

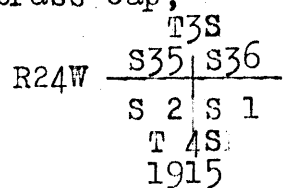


from which,

An ironwood, 5 ins. diam., brs. N. 56° W., 86 lks. dist., marked WC $\frac{1}{4}$ S 36 B T.

An ironwood, 6 ins. in diam., brs. S. 25 $\frac{1}{2}$ ° W., 107 lks. dist., marked WC $\frac{1}{4}$ S 1 B T.

- Ascend 27 ft. to
- 43.98 Spur, slopes N. Descend NW. slope, 25 ft. to
- 52.25 Ravine, course N. Ascend NE. slope, 51 ft. to
- 56.42 Spur, slopes N. Descend NW. slope, 20 ft. to
- 59.20 Top of cliff, brs. NE. and SW., 10 ft. high.
- Descend 75 ft. to
- 59.72 Foot of cliff, brs. NE. and SW. Enter river bottom.
- Descend 68 ft. to
- 61.04 Wash, 30 lks. wide, 2 ft. deep, course SW. Descend 69 ft. to
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of sec. 1, and fracl. secs. 2, 35 and 36 marked on brass cap,

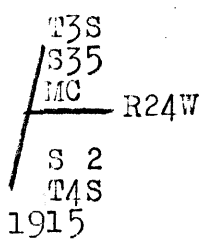


and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, rolling and hilly. Soil, rocky, 4th rate. Timber, scattering palo verde, mesquite and ironwood. Undergrowth, greasewood. No grass.

West, bet. fracl. secs. 2 and 35. Over level river bottom, through scattering timber and dense undergrowth.

- 13.60 Wagon road brs. SW. & NE. Extends N. to Parker & S. to Yuma.
- 22.80 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for meander cor. of fracl. secs. 2 and 35, marked on brass cap,



from which,

A willow, 16 ins. in diam., brs. N. 3' E., 91 lks. dist., marked T 3 S R 24 W S 35 M C B T.

8 North bdy. of Fracl. Township 4 South, Range 24 West.

Chains.

A mesquite, 6 ins. in diam., brs. S. 74° E., 68 lks. dist., marked T 4 S R 24 W S 2 M C B T.

Land, level.

Soil, sandy silt, 2nd rate.

Timber, scattering willow and mesquite.

Undergrowth, dense arrowweed and greasewood.

No grass.



Subdivision of fractl. Township 4 South, Range 24 West 9

Chains

Survey executed with a Young and Son's light mountain transit No. 8523, described in Book "A."
From recent and repeated field tests of the transit and solar attachment, they are known to be in satisfactory adjustment.

- From the cor. of sec. 1, and fractl. secs. 2, 35 and 36 on N. bdy. of Tp., hereinbefore described, S. 0° 1' E., bet. sec. 1 and fractl. sec. 2.
- Over level river bottom, through scattering timber and dense undergrowth.
- 19.30 Foot of hills, brs. E. and W. Ascend N. slope, 96 ft. to
- 22.51 Spur, slopes SW. Descend S. slope, 85 ft. to
- 27.14 Foot of spur, slopes SW. Enter wash, course W.
- 36.84 Leave wash, course SW. Ascend NW. slope, 30 ft. to
- 38.87 Spur, slopes SW. Descend 17 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam.; 20 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap,

$\frac{1}{2}$ S 2 | S 1
1915

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

- Descend over rolling hills, 20 ft. to
- 45.73 Enter wash, course W.
- 53.95 Leave wash, course W. Foot of hills brs. SE. and NW. Ascend N. slope, 145 ft. to
- 59.09 Spur, slopes NW. Descend S. slope, 102 ft. to
- 63.85 Thence over gently rolling land.
- 69.65 Enter wash, course NW.
- 74.10 Dim wagon road brs. NW and SE.
- 74.95 Leave wash, course NW. Ascend 24 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of sec. 1, and fractl. secs. 2, 11, and 12, marked on brass cap,

T4S
R24W S 2 | S 1
S 11 | S 12
1915

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

Land, level and rolling.
Soil, rocky and sandy, 4th and 2nd rate.
Timber, scattering mesquite.
Undergrowth, arrowweed and greasewood.
No grass.

- East, on a random line, bet. sec. 1, and fractl. sec. 12.
- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 79.92 Intersect E. bdy. of Tp. at the reestablished cor. of secs. 1, 6, 7 and fractl. sec. 12, hereinbefore described.
- Thence,
- West, on a true line, bet. sec. 1, and fractl. sec. 12
- Over rolling hilly land, through scattering timber and undergrowth.
- Descend 29 ft. to
- 17.12 Descend 98 ft. to
- 23.34 Ravine, course N. Ascend 105 ft. to
- 30.34 Spur, slopes NE. Descend W. slope, 29 ft. to
- 32.14 Ravine, course NW. Ascend 98 ft. to
- 35.12 Spur, slopes NW. Descend 129 ft. to
- 39.96 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap,

$\frac{1}{2}$ S 1
S 12
1915

from which,

10. Subdivision of fracl. Township 4 South, Range 24 West.

Chains

An ironwood, 6 ins. in diam., brs. N. 85½° W., 36 lks. dist., marked $\frac{1}{4}$ S 1 B T.
 No other trees within limits.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Descend W slope to
 42.46 Gulch, course N.
 50.57 Enter wash, course N.
 55.29 Leave wash, course N. Ascend 58 ft. to
 57.09 Spur, slopes N. Descend 46 ft. to
 64.42 Wash, 40 lks. wide, 3 ft. deep, course NW.
 75.62 Dim wagon road brs. NW and SE.
 79.92 The cor. of sec. 1, and fracl. secs. 2, 11 and 12.
 Land, rolling hills.
 Soil, rocky, 4th rate.
 Timber, scattering mesquite and ironwood.
 Undergrowth, greasewood.
 No grass.

South, bet. fracl. secs. 11 and 12.
 Over rolling land, through scattering timber and undergrowth.

34.16 Ravine, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 11 | S 12
 1915

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

Descend 17 ft. to
 43.50 Enter sand wash, course NW.
 48.00 Leave wash, course NW. Ascend N. slope, 20 ft. to
 56.51 Rocky point slopes W. Descend SW. slope, 136 ft. to
 61.59 Enter river bottom, brs. E. and W.
 63.09 Wagon road brs. E. & W. Extends N. to Parker, and S. to Yuma.
 66.60 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for meander cor. of fracl. secs. 11 and 12, marked on brass cap,

T4S R24W
 S11 | S12
 M | C
 1915

from which,

A mesquite, 4 ins. in diam., brs. N. 13¼° E., 82 lks. dist., marked T 4 S R 24 W S 12 M C B T.
 A mesquite, 5 ins. diam., brs. N. 50° W., 145 lks. dist., marked T 4 S R 24 W S 11 M C B T

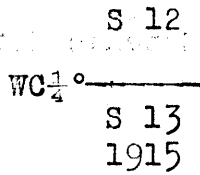
Land, rolling and level.
 Soil, rocky and sandy, 4th and 2nd rate.
 Timber, scattering mesquite.
 Undergrowth, greasewood and arrowweed.
 No grass.

From the reestablished cor. of secs. 7, 18 and fracl. secs. 12 and 13 on E. bdy. of Tp., hereinbefore described, West, on a true line, bet. fracl. secs. 12 and 13.
 Over rolling land, through scattering timber and undergrowth.
 Descend 25 ft. to

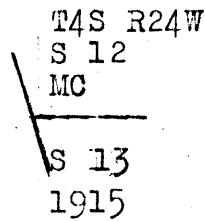
Subdivision of fracl. Township 4 South, Range 24 West. 11.

Chains.

- 5.49 Head of ravine, course NW. Ascend E.slope, 77 ft. to
- 8.50 Spur, slopes N. Descend rolling W.slope, 166 ft. to
- 17.14 Enter wash, course SW.
- 22.42 Wire fence of 5 strands brs.NE. and SW. About 70 lks. to cliff.
- 22.60 Leave wash; ascend E.slope, 64 ft. to
- 24.95 Rocky point, slopes S.
- 27.05 Rocky point, slopes SE. Descend 52 ft. to
- 28.42 Gulch, course SE.
- Wagen road, brs.NW.&SE. Extends N. to Parker, & S. to Yuma. Gate brs.SE., about 2 chs. dist. Ascend 18 ft. to
- 33.92 Rocky point slopes S. Descend W.slope, 67 ft. to
- 37.27 Gulch, course S. Ascend S.slope, 25 ft. to
- 40.00 True point for $\frac{1}{4}$ sec.cor., falls in insecure place; therefore at
- 38.60 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec.cor., marked on brass cap,

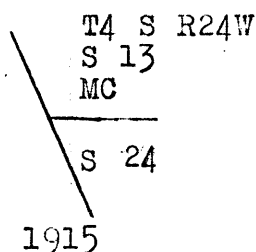


- and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Ascend 118 ft. to
- 41.60 Rocky point slopes S.
- 44.40 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, to solid rock, in a mound of stone, for meander cor. of fracl. secs. 12 and 13, marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{4}$ ft. high, E. of cor.
Land, rolling,
Soil, rocky, 4th rate.
Timber, scattering mesquite, palo verde and ironwood.
Undergrowth, greasewood.
No grass.

-
- From the reestablished cor. of sec. 18, and fracl. secs. 13, 19, and 24 on E. bdy. of Tp., hereinbefore described, West, on a true line, bet. fracl. secs. 13 and 24. Over level river bottom, through scattering timber and dense undergrowth.
 - 19.70 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for meander cor. of fracl. secs. 13 and 24, marked on brass cap,



from which,
A mesquite, 5 ins. diam., brs. N. 16° E., 141 lks. dist., marked T 4 S R 24 W S 13 M C B T.

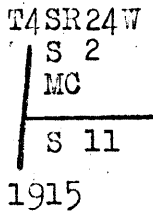
12. Subdivision of fracl. Township 4 South, Range 24 West.

Chains.

A willow, 8 ins. in diam., brs. S. $85\frac{1}{2}^{\circ}$ E., 268 lks. dist., marked T 4 S R 24 W S 24 M C B T.
 Land, level river bottom.
 Soil, sandy, 2nd rate.
 Timber, scattering mesquite and willow.
 Undergrowth, arrowweed.
 No grass.

From the cor. of sec. 1 and fracl. secs. 2, 11 and 12, herein before described,
 West, on a true line, bet. fracl. secs. 2 and 11.
 Over rolling land, through scattering timber and undergrowth.

- 4.10 Ravine, course NW.
- 32.30 Ravine, course NW.
- 34.82 Foot of hills, brs. N. and S.
Enter river bottom. Descend 45 ft. to
- 36.24 Wagon road brs. NE. & SW. Extends N. to Parker & S. to Yuma.
- 38.10 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for meander cor. of fracl. secs. 2 and 11, marked on brass cap,



from which,

- A willow, 8 ins. in diam., brs. N. $53\frac{1}{2}^{\circ}$ E., 30 lks. dist., marked T 4 S R 24 W S 2 M C B T.
- A willow, 10 ins. diam., brs. S. $4\frac{1}{2}^{\circ}$ W., 80 lks. dist., marked T 4 S R 24 W S 11 M C B T.

Land, rolling.
 Soil, rocky, 4th rate.
 Timber, scattering mesquite and willow.
 Undergrowth, dense arrowweed.
 No grass.

GENERAL DESCRIPTION.

The surface of this fractional township is mostly rolling and hilly, the level portion being a small strip of bottom land along the Colorado river. Over the rolling and hilly portion, the soil is rocky, 4th rate, and over the level portion the soil is a sandy silt, 2nd rate. A dense undergrowth of greasewood, and arrowweed covers the township, and a scattering growth of timber, palo verde, mesquite and ironwood over the rolling portion, and cottonwood and willow in the river bottom. No settlers are located, and there are no indications of mineral deposit.

Meanders of left bank of Colorado River, within fracl. T.4S.R.24W. 13

Chains.

Meanders of the left bank of Colorado river, up stream.
 Commence at the reestablished meander cor. of fracl.secs.
 19 and 24, on east bdy.of Tp., hereinbefore described.
 Thence with meanders in fracl. sec.24.
 Through scattering timber and dense undergrowth.
 N.20°W., 18.80 chs. Bank 10 ft. high.
 N.44¹/₄°W., 19.00 chs. To meander cor.of fracl.secs.13 and
 24, hereinbefore described.
 Land, level river bottom, subject to overflow during rainy
 season.
 Soil, sandy silt, 2nd rate.
 Timber, scattering willow and cottonwood.
 Undergrowth, dense arrowweed.

Thence in fracl.sec. 13.
 Through scattering timber and undergrowth.
 N35¹/₂°W., 9.00 chs. Bank 10 ft.high.
 N.76³/₄°W., 5.40 chs.
 N.8° W., 45.00 " To rocky spur, slopes W., 10 ft.high.
 Wagon road brs.SE.and NW., S. 50 lks.
 dist.
 Same road brs. NE. and SW., N. 50
 lks.dist.Extends N.to Parker&S.to Yuma.
 N.14³/₄°W., 10.00 chs. Rocky point, 50 ft.high, slopes W.
 N.84³/₄°E., 6.40 chs. Over rocky ridge along top of cliff.At
 5.50 chs.leave ridge and cliffs, brs.
 S.and W.
 N.8¹/₂°E., 4.80 chs. At 2.70 chs., a narrow rocky spur, 50
 ft.high, slopes W., projecting into
 river about 200 ft.
 N.56¹/₄°W., 6.20 chs. At 1.00 ch., broken cliffs slope W. to
 ward river. At 3.50 chs. a rocky
 point 30 ft.high. slopes SW.pro-
 jecting into river about 100 ft.to
 a rocky point about 40 ft.high, slop-
 ing SW.
 N.8°W., 3.30 chs. Along rocky bluff.
 N.54¹/₄°W., 4.60 chs.
 N.62³/₄°W., 4.00 chs. To meander cor.of fracl.secs.12 and 13,
 hereinbefore described.
 Land, level and broken; level portion subject to over-
 flow.
 Soil, sandy and rocky, 2nd and 4th rate.
 Timber, scattering willow and cottonwood.
 Undergrowth, dense arrowweed.
 No grass.

Thence in fracl.sec.12.
 Over broken land, along cliffs.
 N.39³/₄°W., 6.10 chs. Along bluffs.
 N.16¹/₂°W., 6.80 chs. " "
 N.80¹/₂°W., 12.00 chs. Bank 10 ft.high.
 N.88¹/₄°W., 18.00 chs. To meander cor.of fracl.secs.11 and
 12, hereinbefore described. From
 this cor., a rock, 25 ft.high, 40
 ft.wide, 70 ft.long, brs.S.50° E.
 about 200 lks.dist.
 Land, broken and level.
 Soil, rocky and sandy silt, 4th and 2nd rate.
 Timber, scattering willow and cottonwood.
 Undergrowth, dense arrowweed.
 No grass.

14. Meanders of Left Bank of Colorado River within fracl. T4SR24W

Chains.

Meanders of left bank of Colorado river, up stream.
 Thence in fracl. sec. 11.
 Over level land, through scattering timber and undergrowth.
 N. 86° W., 18.00 chs. Bank 10 ft. high,
 N. 82³/₄° W., 10.00 chs.
 N. 68¹/₂° W., 9.30 chs.
 N. 12° W., 15.00 chs.
 North, 26.00 chs.
 N. 4° E., 20.00 chs. To meander cor. of fracl. secs. 2 and 11,
 hereinbefore described.

Land, level bottom.
 Soil, sandy silt, 2nd rate.
 Timber, scattering cottonwood and willow.
 Undergrowth, dense arrowweed.
 No grass.

Thence in fracl. sec. 2.
 Over level land, through scattering timber and undergrowth.
 N. 31° E., 9.30 chs. Bank 10 ft. high.
 N. 8³/₄° E., 24.00 "
 N. 12¹/₂° E., 25.00 "
 N. 14° E., 23.00 chs. To meander cor. of fracl. secs. 2 and 35,
 on N. bdy. of Tp., hereinbefore de-
 scribed.

Land, level river bottom.
 Soil, sandy silt, 2nd rate.
 Timber, scattering willow and cottonwood.
 Undergrowth, dense arrowweed.
 No grass.

Boundaries of fracl. T. 4 S., R. 24 West.
 Latitudes, departures, and Closing Errors.

Line designated.	Course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
East boundary,	North	31.30	31.30			
	N. 0° 14' W.	39.08	39.08			.16
	N. 0° 6' W.	40.22	40.22			.07
	North,	160.00	160.00			
North boundary,	West,	102.80				102.80
Meanders Left bank Colo. River	Various	Various		270.69	103.70	
Convergency,						.04
	Totals.		270.60	270.69	103.70	103.07
				270.60	103.07	
	Error in latitude,			0.09		
	Error in departure,				0.63	

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BOOK 3175

CERTIFICATE OF UNITED STATES SURVEYOR.

I, William B. Kimmel, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 47, Arizona, bearing date of the 5th day of February, 1915, 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 ^{re-} surveyed all those parts or portions of the East boundary, and surveyed all those parts or portions of the North boundary, and Subdivision lines, and the Meanders of the Left Bank of the Colorado River, all of Fracl. TOWNSHIP 4 SOUTH, RANGE 24 WEST, of the Gila and 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 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 Group 47, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of ^{re-} such survey & resurvey.

William B. Kimmel
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, March 20, 1918.

The foregoing field notes of the ^{re-} survey of the East boundary, and SURVEY of the North Boundary, and Subdivision Lines, and the Meanders of the Left Bank of the Colorado River, all of fractional TOWNSHIP 4 SOUTH, RANGE 24 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by William B. Kimmel, U. S. Surveyor General, under his special instructions dated February 5, 1915, for Group 47, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ^{re-} surveys they describe, are hereby approved.

Frank O. Frost
U. S. Surveyor General.

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.