

Book "F"

4-879

1

FIELD NOTES

BOOK 4021

OF THE RESURVEY OF

PART OF THE WEST BOUNDARY OF
TOWNSHIP 10 NORTH, RANGE 2 WEST

and

PARTS OF THE WEST BOUNDARY OF
TOWNSHIP 11 NORTH, RANGE 2 WEST

Of the GILA AND SALT RIVER BASE AND Meridian,

In the State of ARIZONA

EXECUTED BY

Benjamin J. Kinsey, U. S. Surveyor

In the capacity of U. S. Surveyor, under Supplemental Special Instructions dated July 29, 1933, issued by the District Cadastral Engineer to govern surveys included in Group No. 157, Arizona, which were approved by the Commissioner of the General Land Office, Sept. 7, 1933, and Assignment Instructions dated Sept. 30, 1933.

Resurvey commenced November 21, 1933

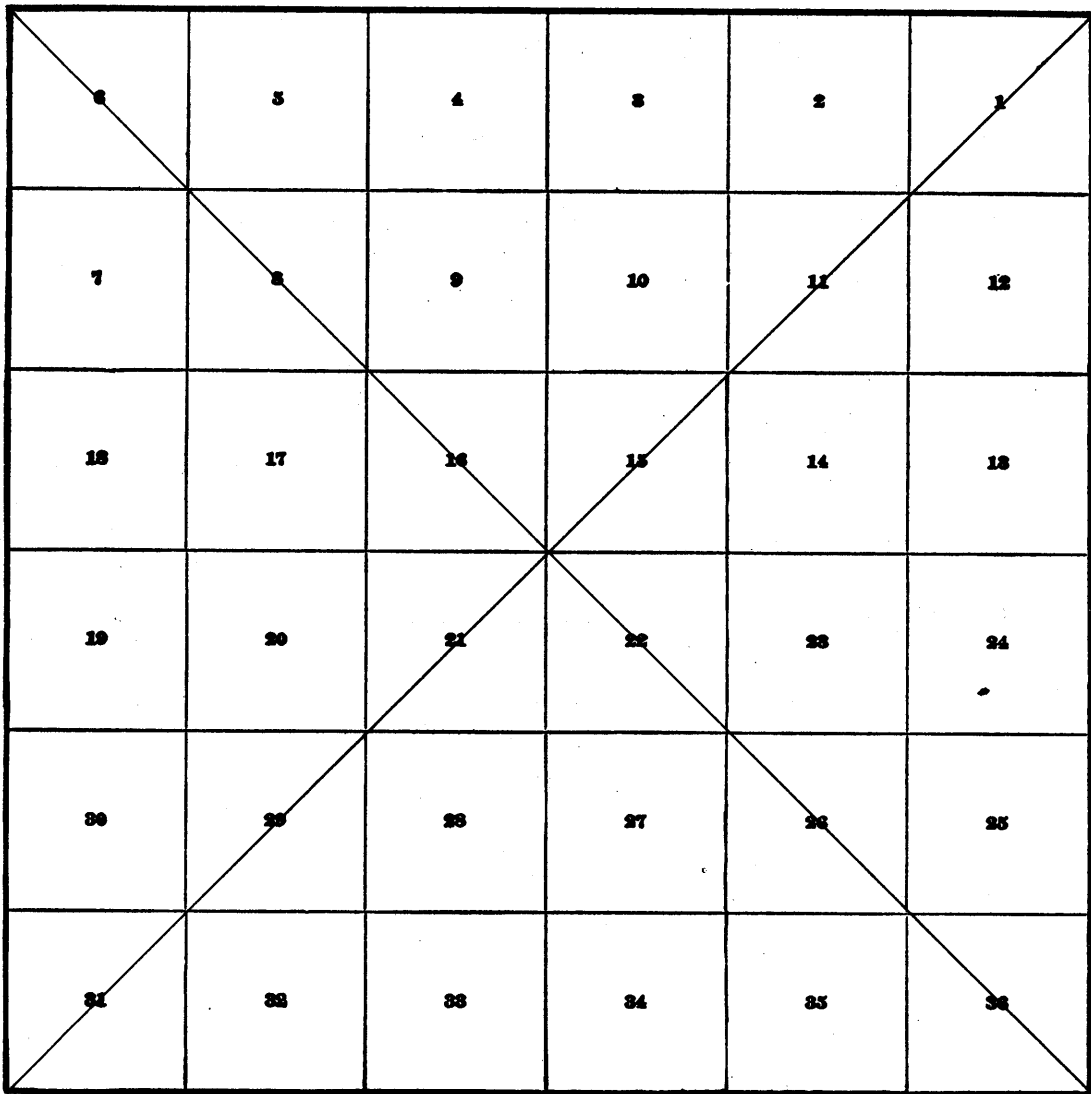
Resurvey completed November 29, 1933

4021

4021

INDEX DIAGRAM.

Township , *Range*



11A

BOOK 4021

INDEX ~ DIAGRAM.

- Accepted surveys.
- Unsurveyed.
- Resurveyed under this group,
Field notes herein.

T.12N.
R.3W.

T.12N.
R.2W.

T.11N.
R.3W.

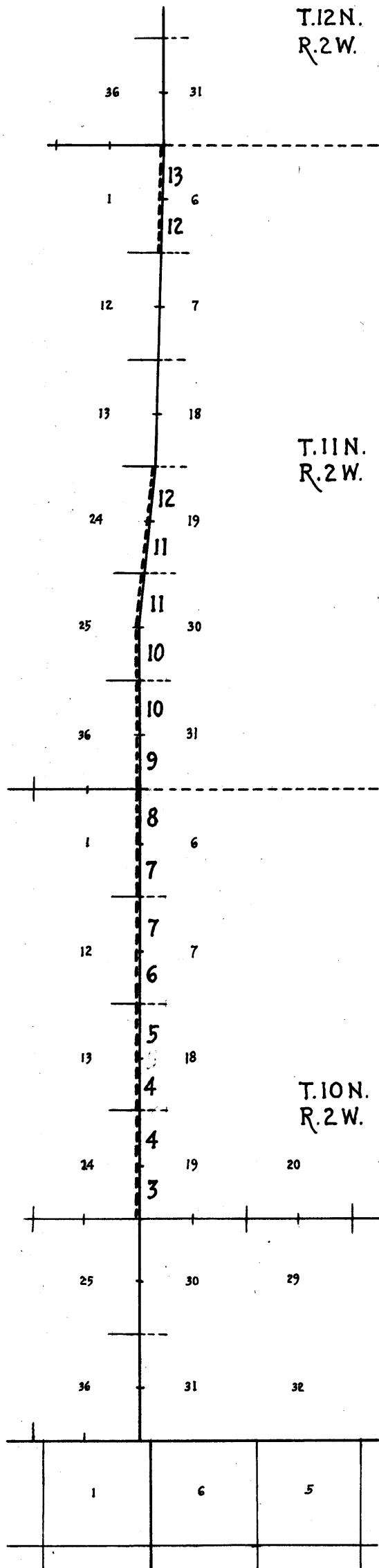
T.11N.
R.2W.

T.10N.
R.3W.

T.10N.
R.2W.

T.9N.
R.3W.

T.9N.
R.2W.



1	6	5

The resurveys herein described were executed by Benjamin J. Kinsey, U.S. Surveyor, using Buff transit No. 18,000. The instrument is equipped with the Smith solar attachment and otherwise conforms to the general requirements of the General Land Office. The instrument was examined and approved by the District Cadastral Engineer, of California and Arizona, conditional upon satisfactory field tests.

Nov. 19, 1933: At my station in T. 11 N., R. 2 W., G. & S. R. B. and M., Arizona, in latitude $34^{\circ}15'N.$, determined as hereinafter described, and approximate longitude $112^{\circ}31'W.$, examine the adjustments of the transit and find no errors; then to test the workings of the solar attachment compared with a meridian established by observation upon Polaris, proceed as follows:

Nov. 20: at same station as above described, at 3h. 42m., a.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, marking the mean point in the line thus determined with a tack set in top of a stake about 5 chs. N.

Azimuth of Polaris at western elongation: $1^{\circ}16'$.

Daylight: lay off the azimuth of Polaris $1^{\circ}16'$ to the east and mark the meridian thus determined with a tack set in top of a peg, driven firmly in the ground about 5 chs. N.

At 9h. 00m., a.m., app. t., with lat. arc set at $34^{\circ}15'N.$, and decl. arc set at $19^{\circ}41'S.$, determine a meridian with the solar which agrees with the true meridian.

At app. noon, with lat. arc unchanged, observe the sun on the meridian; the resultant reading of the declination arc is $19^{\circ}42'S.$, which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app. t., with lat. arc unchanged, set off $19^{\circ}44'S.$, on the decl. arc and determine a meridian with the solar which agrees with the true meridian.

As all of the observations taken during the usual hours of solar work agree within $1'$ of the true meridian conclude that the instrument is in a satisfactory state of adjustment.

All measurements are made on the slope, the vertical angle determined and slope measurements properly reduced to true horizontal values.

Observation upon the sun for time and latitude.

Nov. 20: at same station as above described, I make a meridian observation upon the sun for time and latitude, observing simultaneously the altitude of the suns lower limb and the transit of the suns west limb, reversing the telescope and observing simultaneously the altitude of the suns upper limb and the transit of the suns east limb.

Direct:  Reversed: 

Mean observed altitude: $36^{\circ}02'15''$
 Reduced latitude : $34^{\circ}15'05''$
 Mean watch time of obsn.: 12h. 15m. 12s.
 Watch fast of local mean time : 29m. 22s.

RESURVEY OF PART OF WEST BDY. OF T.10 N., R.2 W.

Chains

The North four miles of the range line bet. Rs. 2 and 3 W., in T.10 N., were surveyed in 1871 by O.H. Case, U.S.D.S. who established corners thereon with common reference to areas on both sides of the line at 40 ch. intervals counting from the North. The S. two miles were surveyed by G.F. Sawyer, U.S.S., in 1925, establishing corners thereon with common reference to areas on both sides of the line, counting from the South, placing excess measurement in the N $\frac{1}{2}$ of the line bet. secs. 25 and 30, and reconstructing the original cor. of secs. 19, 24, 25, and 30 with a brass capped iron post.

No retracement or resurvey of any part of this range line in T.10 N. is of record.

The following notes describe a dependent resurvey of of the N. 4 miles of the range line, reconstructing all original corner monuments with brass capped iron posts, retaining their original common reference.

RETRACEMENT FOR RESURVEY.

From cor. of secs. 19, 24, 25, and 30.

North on random line bet. secs. 19 and 24, ($S\frac{1}{2}$).

40.30 Fall 131 lks. E. of the original $\frac{1}{4}$ sec. cor.

True course and dist. of this $\frac{1}{4}$ mile are therefore N.1°52'W.,
40.32 chs.

Thence,

North, on a random line, bet. secs. 19 and 24, ($N\frac{1}{2}$).

40.15 Fall 46 lks. W. of the original cor. of secs. 13, 18, 19,
and 24.

True course and dist. of this $\frac{1}{2}$ mile are therefore N.0°39'E.,
40.15 chs.

North, on a random line, bet. secs. 13 and 18, ($S\frac{1}{2}$).

39.89 Fall 56 lks. E. of the original $\frac{1}{4}$ sec. cor.

True course and dist. of this $\frac{1}{4}$ mile are therefore N.0°48'W.,
39.89 chs.

Thence,

North, on a random line, bet. secs. 13 and 18, ($N\frac{1}{2}$).

38.17 Fall 29 lks. W. of the original cor. of secs. 7, 12, 13,
and 18.

True course and dist. of this $\frac{1}{4}$ mile are therefore N.0°26'E.,
39.17 chs.

RESURVEY OF PART OF THE WEST BDY. OF T. 10 N., R. 2 W.

BOOK 4021

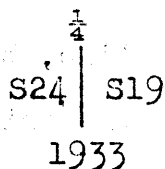
3.

Chains	North, on a random line, bet. secs. 7 and 12 ($S\frac{1}{2}$).
39.60	Fall 54 lks. E. of the original $\frac{1}{4}$ sec. cor. True course and dist. of this $\frac{1}{2}$ mile are therefore N.0°47' W., 39.60 chs. Thence, North, on a random line, bet. secs. 7 and 12 ($N\frac{1}{2}$).
40.39	Fall 18 lks. E. of the original cor. of secs. 1, 6, 7 and 12. True course and dist. of this $\frac{1}{2}$ mile are therefore N. 0°15'W., 40.39 chs.
41.64	North, on a random line, bet. secs. 1 and 6 ($S\frac{1}{2}$). Fall 18 lks. E. of original $\frac{1}{4}$ sec. cor. True course and dist. of this $\frac{1}{2}$ mile are therefore N.0° 15'W., 41.64 chs. Thence, North, on a random line, bet. secs. 1 and 6 ($N\frac{1}{2}$).
40.29	Fall 4 lks. E. of the original cor. of Ts. 10 and 11 N., Rs. 2 and 3 W. True course and dist. of this $\frac{1}{2}$ mile are therefore N.0° 03'W., 40.29 chs.
RESURVEY.	
Beginning at the original cor. of secs. 19, 24, 25 and 30, reconstructed in 1925, which is an iron post 2 ins. in diam., firmly set, projecting 10 ins. above ground, properly mkd. on brass cap and witnessed as described in the official record. Thence, N. 1°52'W., on true line, bet. secs. 19 and 24, ($S\frac{1}{2}$). Over rolling land, through scattering timber and dense undergrowth.	
1.50	Wire fence, bears N. 80°W. and S. 80°E.
10.00	Low spur, bears W.
14.80	Shallow wash, 25 lks. wide, course W.
15.45	Wash, 20 lks. wide, 4 ft. deep, course W., from NE. Asc. 54 ft. over SW slope.
33.00	Spur, bears W. Desc. 35 ft. over N. slope.
39.50	Wash, 10 lks. wide, course W.
40.32	The original $\frac{1}{4}$ sec. cor. of secs. 19 and 24, which is an old mound of stone. The original corner stone is gone.

RESURVEY OF PART OF THE WEST BDY. OF T. 10 N., R. 2 W.

Chains.

Reconstruct this cor. monument as follows: Remove mound of stone and in center of its position, set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone 7x7x5 ins. marked with a cross (+) deposited at base and raise a mound of stone around post for 1/4 sec. cor. of secs. 19 and 24, with brass cap marked



No suitable bearing trees available.

Thence,

N. 0°39'E., on true line, bet. secs. 19 and 24, (N 1/2).

Over rolling land, bears NW. and SE.

1.20 Wash, 10 lks. wide, 8 ft. deep, course W. Asc. 23 ft. over S. slope.

5.70 S. edge of level topped bench, brs. E. and W. Thence across same.

12.70 N. edge of bench, brs. E. and W. Desc. 12 ft. over N. slope.

23.70 Minnehaha Creek, 35 lks. wide, course W. Asc. 62 ft. over S. slope.

29.70 Low spur, bears W. Desc. gradual N. slope.

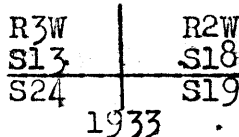
31.70 Shallow wash, 5 lks. wide, course W. Asc. 44 ft. over S. slope.

33.40 Wire fence, bears E. and W.

40.15 The original cor. of secs. 13, 18, 19 and 24, which is a granite stone 8x10x14 ins. above ground firmly set and mkd. with 3 notches on each of N. and S. faces.

Reconstruct this cor. monument as follows: along old stone set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground to bedrock, for cor. of secs. 13, 18, 19 and 24, with brass cap marked

T10N



Land, rolling.

Soil, rocky 4th rate.

Timber, thinly scattered oak and mesquite.

Undergrowth, oakbrush, manzanita and cacti.

N. 0°48'W., on true line, bet. secs. 13 and 18, (S 1/2).

Over mountainous land, through scattering timber and dense undergrowth.

Asc. 187 ft. over SW. slope.

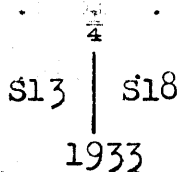
RESURVEY OF PART OF THE WEST BDY. OF T. 10 N., R. 2 W.

BOOK 4021

Chains

- 17.50 Spur, bears W. Desc. 100 ft. over NW. slope.
- 23.10 Shallow wash, 15 lks. wide, course SW. Asc. 187 ft. over rocky SW. slope.
- 35.70 Spur, bears W. Desc. 92 ft. over N. slope.
- 39.89 The original $\frac{1}{4}$ sec. cor. of secs. 13 and 18, which is a granite stone 6x10x18 ins. above ground, firmly set and marked $\frac{1}{4}$.

Reconstruct this cor. monument as follows: alongside old stone, set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, with two horseshoes deposited at base, and raise md. of stone around post for $\frac{1}{4}$ sec. cor. of secs. 13 and 18, with brass cap marked



No suitable bearing trees available.

Thence,

N. $0^{\circ}26'E.$, on true line, bet. secs. 13 and 18, ($N\frac{1}{2}$).

Desc. 80 ft. over NE. slope.

- 4.24 Shallow wash, 5 lks. wide, course NW. Asc. 64 ft. over ~~S~~ slope.

- 7.00 Spur, bears NW. Desc. 100 ft. over NE. slope. Wire fence, bears NW. and SE.

- 10.00 A small spring bears East, about 2 chs. distant.

- 14.70 A spring branch, 3 lks. wide, 2 ins. deep, course NW. Asc. 67 ft. over SW. slope.

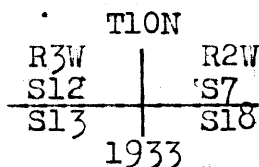
- 22.00 Spur, bears W. Desc. 43 ft. over N. slope.

- 25.50 Shallow wash, 10 lks. wide, course W.. Asc. 26 ft. over S. slope.

- 30.00 Spur, bears W. Desc. 52 ft. over N. slope.

- 38.17 The original cor. of secs. 7, 12, 13 and 18, which is a granite stone 14x14x18 ins. above ground, firmly set, marked with 2 notches on N. face and 4 notches on S. face.

Reconstruct this cor. monument as follows: alongside old stone, set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, and raise a mound of stone around post, for cor. of secs. 7, 12, 13 and 18, with brass cap marked



No suitable bearing trees available.

6.

RESURVEY OF PART OF THE WEST BDY. OF T. 10 N., R. 2 W.

Chains

Land, mountainous.
Soil, rocky 4th rate.
Timber, yellow pine, oak, juniper and mesquite.
Undergrowth, oakbrush, manzanita, cactus and catclaw.

N. 0°47'W., on true line, bet. secs. 7 and 12 (S $\frac{1}{2}$).

Over rolling land, through thick undergrowth.

Desc. 22 ft. over rolling N. slope.

1:20 Shallow wash, 10 lks. wide, course W. Asc. 45 ft. over S. slope.

5.00 Change to West slope.

9.00 Desc. 27 ft. over N. slope.

11.20 Shallow wash, 10 lks. wide, course W. Asc. 45 ft. over S. slope.

15.00 Spur, bears W. Desc. 42 ft. over NW. slope.

20.80 Wire fence, bears E. and W.

21.00 Shallow wash, 5 lks. wide, course W. Asc. 39 ft. over S. slope.

25.00 Spur, bears NW. Desc. 107 ft. over NE. slope.

38.85 Wash, 5 lks. wide, course NW. Asc. gradual S. slope.

39.60 The original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, which is a granite stone 20x10x10 ins., firmly set in a mound of stone and marked $\frac{1}{4}$.

Reconstruct this cor. monument as follows: Remove md. of stone and in center of its position reset old stone and alongside same set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone 6x6x4 ins. marked with a cross (+) deposited at base, and raise a mound of stone around post for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12, with brass cap marked



Thence,

N. 0°15'W., on true line, bet. secs. 7 and 12 (N $\frac{1}{2}$).

Asc. 51 ft. over S. slope.

2.80 Spur, bears W. From which point, house of L.P.Calkins bears S.56°W.

Desc. 77 ft. over N. slope.

4.90 Wash, 10 lks. wide, 3 ft. deep, course W. Asc. 38 ft. over SW. slope.

10.75 Spur, bears W. From which point, house of L.P.Calkins bears S. 40°W. Desc. slight N. slope.

RESURVEY OF PART OF THE WEST BDY. OF T. 10 N., R. 2 W.

BOOK 4021

Chains

- 12.50 Wire fence, bears NE. and SW.
 13.00 Bottom of descent. Across level land, bears E. and W.
 21.60 Wire fence, bears E. and W.
 22.50 Enter Blind Indian Creek, course SW.
 27.00 Leave same Creek, course SW.
 31.00 Shallow wash, 20 lks. wide, course SE. Asc. 44 ft. over SE. slope.

- 40.39 The original cor. of secs. 1, 6, 7 and 12, which is an old mound of stone. The original marked corner stone is gone.

Reconstruct this cor. monument as follows: remove old mound and in center of its position set an iron post 3 ft. long, 2 ins. in diam., 22 ins. in the ground to bedrock, with a stone 5x5x2 ins., marked with a cross (+) deposited at base, and raise a mound of stone around post for cor. of secs. 1, 6, 7 and 12, with brass cap marked,

T10N	
R3W	R2W
S1	S6
S12	S7
1933	

Land, rolling and level.
 Soil, rocky 4th rate.
 Timber, none.
 Undergrowth, oakbrush, manzanita, cacti and catclaw.

N. 0°15'W., on true line, bet. secs. 1 and 6 (S $\frac{1}{2}$)

Over rolling land, through thick undergrowth.

Asc. 47 ft. over rolling SE. slope.

- 14.00 Low spur, bears SW. Along level W. slope.

- 20.00 Desc. 26 ft. over NW. slope.

- 29.00 Shallow wash, 10 lks. wide, course SW. Thence along general SW. slope.

- 41.64 The original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, which is a stone 10x14x4 ins. above ground, firmly set and marked $\frac{1}{4}$.

Reconstruct this cor. monument as follows: alongside old stone set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6, with brass cap marked.

S1	S6
1933	

raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

8.

RESURVEY OF PART OF THE WEST BDY. OF T. 10 N., R. 2 W.

Chains

Thence,

N. $0^{\circ}03'W.$, on true line, bet. secs. 1 and 6, ($N\frac{1}{2}$).

Over rolling W. slope.

1.00 Shallow wash, 10 lks. wide, 6 ft. deep, course SW.

22.90 Road, bears NE. and SW.

28.30 Road, bears E. and W.

35.87 Wire fence, bears E. and W.

40.29 The original cor. of Ts. 10 and 11 N., Rs. 2 and 3 W., which is a mound of stone, the age of same qualifying for the date of survey.

Reconstruct this cor. monument as follows: remove old mound and in center of its position, set an iron post 3 ft. long, 3 ins. in diam., 25 ins. in the ground for cor. of Ts. 10 and 11 N., Rs. 2 and 3 W., with brass cap marked

T11N	
R3W	R2W
S36	S31
S1	S0
T10N	
1933	

raise a mound of
stone 4 ft. base, 2 ft. high S. of cor.

Land, rolling and level. .

Soil, sandy, stony 3rd and 4th rate.

Timber, none.

Undergrowth, oakbrush, manzanita, cacti and catclaw.

RESURVEY OF PARTS OF THE WEST BDY. OF T. 11 N., R. 2 W.

The S. 3 miles of the range line bet. Rs. 2 and 3 W., in T. 11 N., were surveyed in 1871, by O.H. Case, U.S.D.S., who established cors. thereon at 40 ch. intervals, counting from the N.

No retracement or resurvey of any part of this range line through the S. three miles of this Tp. is of record.

The following notes describe a dependent resurvey of the S. 3 miles of the range line, reconstructing or reestablishing all original cors. which retain their original reference.

Retracement for Resurvey.

From cor. of Ts. 10 and 11 N., Rs. 2 and 3 W.,

North, on random line bet. secs. 31 and 36 ($S\frac{1}{2}$).40.36 Fall 18 lks. E. of original $\frac{1}{4}$ sec. cor.True course and dist. of this $\frac{1}{2}$ mile; N. $0^{\circ}15'W.$, 40.36 chs.

Thence,

RESURVEY OF PARTS OF THE WEST BDY. OF T. 11 N., R. 2 W.

BOOK 4021

Chains	
	North, on random line.
40.00	No trace of original cor. of secs. 25, 30, 31 and 36. Set temp. sec. cor.
	Continue line and measurement:
78.14	Fall 80 lks. E. of original $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
	True course and dist. of N $\frac{1}{2}$ of line bet. secs. 31 and 36, and of S $\frac{1}{2}$ of line bet. secs. 25 and 30 are therefore N. 0°35'W., 39.07 chs., each.
	Thence,
	North, on random line,
40.00	No trace of original cor. of secs. 19, 24, 25 & 30. Set temp. sec. cor.
80.00	No trace of original $\frac{1}{4}$ sec. cor. of secs. 19 and 24. Set temp. $\frac{1}{4}$ sec. cor.
117.18	Fall 13.28 chs. W. of the cor. of secs. 13, 18, 19 and 24.
	True course and dist. of N $\frac{1}{2}$ of line bet. secs. 25 and 30 are therefore N. 6°28'E., 39.31 chs., and of line bet. secs. 19 and 24, N. 6°28'E., 78.62 chs.

RESURVEY.

From cor. of Ts. 10 and 11 N., Rs. 2 and 3 W., hereinbefore described.

N. 0°15'W.; on true line, bet. secs. 31 and 36 (S $\frac{1}{2}$)

Over rolling land, thru scattering undergrowth.

4.00 Low ridge, brs. NE. and SW. Desc. 12 ft. over NW. slope.

18.90 Shallow wash, 20 lks. wide, course SW. Asc. 29 ft. over SE. slope.

38.00 Spur, brs. SW. Desc. over gradual NW. slope.

40.36 The original $\frac{1}{4}$ sec. cor., which is an old mound of stone and earth.

Reconstruct this cor. monument as follows:

Remove the mound and in center of its position, set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in ground to bedrock, with stone 4x4x6 ins. mkd. with a cross (+) deposited at base, and raise mound of stone around post, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S36 | S31

1933

Thence,

N. 0°35'W., on true line, bet. secs. 31 and 36.

Over rolling land, through scattering undergrowth. Desc. gradual NW. slope.

10.

RESURVEY OF PARTS OF THE WEST BDY. OF T. 11 N., R. 2 W.

Chains	
6.80	Wash, 10 lks. wide, course SW. Asc. SE. slope.
11.00	Low spur, slopes SW. Desc. grad. NW. slope.
25.00	Wash, 5 lks. wide, course SW. Asc. gradually over S. slope.
39.07	Proportional point. Set an iron post, 3 ft. long, 2 ins. in diam., 17 ins. in ground to bedrock, deposit stone 4x5x6 ins. mkd. with a cross (+) at base, and raise mound of stone around post, for cor. of secs. 25, 30, 31 and 36, with brass cap mkd.
T11N R3W R2W S25 S30 S36 S31 1933	
Land, rolling. Soil, rocky, 4th rate. Timber, none. Undergrowth, oakbrush, catclaw and cacti.	
N. 0°35'W., on true line, bet. secs. 25 and 30 (S $\frac{1}{2}$). Over mountainous land, thru scattering undergrowth. Asc. 5 ft. over S. slope.	
1.95	Spur, bears W. Desc. 39 ft. over N. slope.
4.90	Shallow wash, 8 lks. wide, course W. Asc. 26 ft. over S. slope.
8.45	Spur, bears W. Desc. 37 ft. over N. slope.
11.00	Shallow wash, 15 lks. wide, course W. Asc. 409 ft. over broken SW. slope.
39.07	S. edge of flat-topped butte, brs. NW. and SE. Intersect original $\frac{1}{4}$ sec. cor. which is a stone 18x16x4 ins. mkd. $\frac{1}{4}$, set in a mound of stone. Reconstruct this cor. monument as follows: Remove mound of stone, and in center of its position reset original cor. stone 6 ins. in ground to bedrock, and alongside same set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground, with a stone 4x4x6 ins. mkd. with a cross (+) deposited at base, and raise mound of stone around post, for $\frac{1}{4}$ sec. cor., with brass cap marked.
$\frac{1}{4}$ S25 S30 1933	
Thence	
N. 6°28'E., on true line, bet. secs. 25 and 30 (N $\frac{1}{2}$). Across level top of butte.	
3.30	Ancient Aztec ruins bear W. about 3 chs. dist.
4.10	N. edge of top of butte, brs. NW. & SE. Desc. 413 ft. over NW. slope.

RESURVEY OF PARTS OF THE WEST BDY. OF T. 11 N., R. 2 W.

BOOK 4021

Chains

- 20.10 Milk Creek, course W., with running water 8 lks. wide, 3 ins. deep, in stream bed 100 lks. wide.
Enter scattering juniper timber, brs. E. and W. Asc. 94 ft. over S. slope.
- 23.29 Wire fence, brs. N. 10° E. and S. 5° E.. At about 4 chs. SE. this fence turns and extends E.
- 26.30 Spur, bears W. Desc. 12 ft. over NW. slope.
- 39.31 Proportional point. Set an iron post 3 ft. long, 2 ins. in diam., 26 ins. in the ground for the cor. of secs. 19, 24, 25 and 30, with brass cap marked

T11N	
R3W	R2W
S24	S19
S25	S30
1933	

from which,

A juniper, 9 ins. in diam., bears N. 18° E., 57 lks. dist., marked T11N R2W S19 BT

A juniper, 16 ins. in diam., bears S. 71° E., 241 lks. dist., marked T11N R2W S30 BT

A juniper, 10 ins. in diam., bears S. 81¼° W., 58 lks. dist. marked T11N R3W S25 BT

The cor. of fences from E., W., and N., bears N. 32¼° W., 38 lks. distant.

Land, mountainous.

Soil, rocky 4th rate.

Timber, juniper.

Undergrowth, oakbrush, catclaw and cacti.

N. 6° 28' E., on true line, bet. secs. 19 and 24

Over mountainous land, through scattering timber and undergrowth.

Desc. 11 ft. over rolling NW. slope.

- 3.20 Shallow wash, 20 lks. wide, course W. Asc. 25 ft. over S. slope.
- 5.50 Low spur, bears SW. Desc. 23 ft. over N. slope.
- 7.00 Enter shallow wash, 20 lks. wide, course SW. from N.
- 14.20 Leave wash, from NE.
- 21.30 Bend in same wash, from NE. to SE. Asc. 20 ft. over broken SE. slope.
- 35.90 Same wash, 10 lks. wide, course E. Asc. 27 ft. over S. slope.
- 39.31 Proportional point. Set an iron post 3 ft. long, 1 in. in diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for the ¼ sec. cor. of secs. 19 and 24, with brass cap marked

12.

RESURVEY OF PARTS OF THE WEST BDY. OF T. 11 N., R. 2 W.

Chains	
	$\frac{1}{4}$ S24 S19 1933
	<p>from which, A juniper, 6 ins. in diam., bears S. 38°W., 88 lks. dist., marked $\frac{1}{4}$ S24 BT.</p> <p>A juniper, 5 ins. in diam., bears N. $80\frac{1}{2}^{\circ}$E., 60 lks. dist., marked $\frac{1}{4}$ S19 BT.</p>
	Asc. 13 ft. over broken E. slope.
48.90	Shallow wash, 12 lks. wide, course SE. Asc. 41 ft. over broken W. slope.
50.60	Toe of spur, from NE. Desc. gradual NW. slope.
54.20	Same wash, course S. 25° W. Asc. broken SE. slope 141 ft.
75.11	Spur, bears SW. Desc. 12 ft. over NW. slope.
77.81	Shallow wash, 10 lks. wide, course SW. Asc. 24 ft. over SE. slope.
78.62	The cor. of secs. 13, 18, 19 and 24, which is an iron post 2 ins. in diam., firmly set in a mound of stone, with brass cap properly marked and witnessed as described in the official record.
	Land, mountainous. Soil, rocky 4th. rate. Timber, juniper, and pinion. Undergrowth, oakbrush, cacti, and catclaw.
	<p>The range line bet. secs. 1 and 6, was surveyed by O.H. Case, U.S.D.S., in 1871. This mile of the line was retraced in 1925 by Wesson Cook, U.S.T. in connection with his reestablishment of the cor. of secs. 1, 6, 7 and 12. This retracement reported the $\frac{1}{4}$ sec. cor. of secs. 1 and 6 as missing and the same was not reestablished at that time. No other retracement or resurvey of this line is of record.</p> <p>The following notes describe a resurvey of this mile for the purpose of reestablishing the $\frac{1}{4}$ sec. cor. at proportional distance.</p> <p>The cor. of secs. 1, 6, 7 and 12 is an iron post 2 ins. in diam., firmly set, projecting 10 ins. above ground, with brass cap marked properly and witnessed as described in the official record.</p> <p>Thence,</p> <p>N. $1^{\circ}19'E.$, on true line, bet. secs. 1 and 6, towards flag visible on township corner.</p> <p>Over rolling land through scattering timber and dense undergrowth.</p> <p>Asc. gradual SW. slope, 120 ft.</p>
32.00	Spur, bears SW. Desc. 40 ft. over NW. slope.
36.60	Wash, 10 lks. wide, course SW. Asc. 77 ft. over SW. slope.

RESURVEY OF PARTS OF THE WEST BDY. OF T. 11 N., R. 2 W.

BOOK 4021

Chains

39.68

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

Continue over rolling SW. slope on gradual ascent.

79.36

Intersect the cor. of Ts. 11 and 12 N., Rs. 2 and 3 W., which is an iron post 3 ins. in diam., firmly set, properly marked on brass cap and witnessed as described in the official record.

Return to the temp. $\frac{1}{4}$ sec. cor. and at this point, set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6, with brass cap marked

$\frac{1}{4}$
 S1 | S6

1933

from which,

A juniper, 10 ins. in diam., bears N. 17°W., 53 lks. dist., marked $\frac{1}{4}$ S1 BT.

A juniper, 14 ins. in diam., bears S. 25°E., 40 lks. dist., marked $\frac{1}{4}$ S6 BT.

Land, rolling.

Soil, rocky 4th rate.

Timber, juniper, oak, and pinion.

Undergrowth, oakbrush, catclaw and cacti.

GENERAL DESCRIPTION

Land: both rolling and mountainous, with elevation above sea level of from 3400 ft. to 3500 ft. The drainage is westerly into the Hassayampa River.

Soil: chiefly of a 3rd and 4th rate, sandy and gravelly loam where rolling, and on mountainous slopes of a rocky 4th rate.

Timber: scattering growth of mesquite, with value only as firewood and fence posts.

Undergrowth: oakbrush, and various forms of cacti cover the lands; arrowweed has a dense growth along the larger washes.

Settlement: One settler near the range line in sec. 12, T. 10 N., R. 3 W.

Water: In NW $\frac{1}{4}$ of sec. 18, T. 10 N., R. 2 W., there is a small spring of good water, about 2 chs. E. of the range line. On the N $\frac{1}{2}$ of line bet. secs. 25 and 30 in T. 11 N., there is a small stream of water in Milk Creek.

Roads: A road to Milk Creek crosses the range line bet. secs. 1 and 6, in T. 10 N.,

Industry: The lands are fit for grazing purposes only.

General: The lands to the east of the lines surveyed lie within the Prescott National Forest Reserve, the range line resurveyed being the west bdy. line of same in these townships. The lands to the west of said lines are either patented or leased to private parties.

FINAL FIELD TEST
 of
 Buff Transit No. 18,000
 by

Benjamin J. Kinsey, U.S. Surveyor.

November, 29, 1933: at same station as described on page 1 hereof, test the workings of the solar apparatus as follows:

At 9h.00m., A.M., app. t., with lat. arc set at $34^{\circ}15'N.$, and decl. arc set at $21^{\circ}27\frac{1}{2}'S.$, determine a meridian with the solar which agrees with the true meridian.

At 12h.00m., app. noon, with lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is $21^{\circ}29'S.$, which agrees with the computed declination of the sun.

At 3h.00m. p.m., app. t., with lat. arc unchanged set off $21^{\circ}30'S.$ on the decl. arc and determine a meridian with the solar which agrees with the true meridian.

As all of the obsns. taken agree within 1' of the true meridian; conclude that the adjustments of the instrument have remained in a satisfactory condition during the surveys described in the foregoing notes.

CERTIFICATE OF UNITED STATES SURVEYOR

I, Benjamin J. Kinsey, 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 29th day of July, 1933, 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, resurveyed all those parts or portions of the West boundaries of Townships 10 and 11 North, Range 2 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 resurvey 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 resurvey.

Benjamin J. Kinsey
Phoenix, Arizona U. S. Surveyor
January 31, 1935.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,
Denver, Colorado MAR 2 - 1935

The foregoing field notes of the resurvey of PART OF THE WEST BOUNDARY OF TOWNSHIP 10 NORTH, RANGE 2 WEST and PARTS OF THE WEST BOUNDARY OF TOWNSHIP 11 NORTH, RANGE 2 WEST of the Gila and Salt River Base and Meridian in the State of Arizona executed by Benjamin J. Kinsey, U. S. Surveyor under his special instructions dated July 29, 1933, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys they describe, are hereby approved.

Wm. H. Johnson
U. S. Supervisor of Surveys.

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

~~U. S. Supervisor of Surveys.~~