

2874

Book "N."

(Exam. Retracements)

4-679

BOOK 2874

FIELD NOTES

OF THE RETRACEMENT

of part of the

SUBDIVISION LINES OF

TOWNSHIP 1 SOUTH, RANGE 5 WEST,

and of part of the

SUBDIVISION LINES, and

part of the

NORTH BOUNDARY of

TOWNSHIP 2 SOUTH, RANGE 5 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Sidney E. Blout,

In the capacity of U. S. Surveyor, under instructions dated Dec. 16, 1914,

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

Group No. 40, which were approved by the Commissioner of the General Land

Office, Jan. 27, 1915.

Retracement commenced March 24, 1915.

Retracement completed March 29, 1915.

Book "H."
(Exam. Retracements)
Group No.40, Arizona.

See Special Index Diagram.

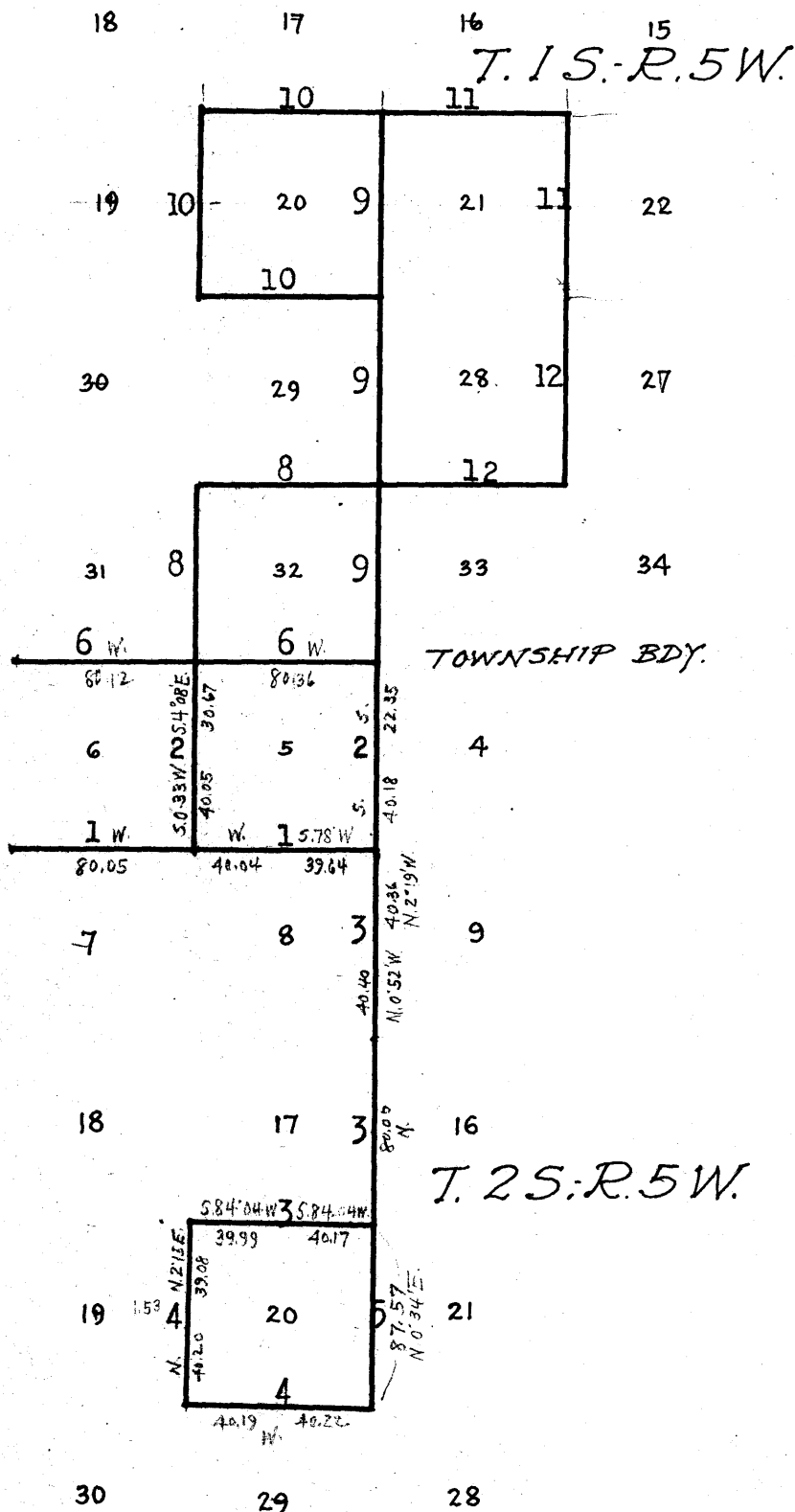
INDEX DIAGRAM.

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

Book "N"
Group 40-Arizona
SPECIAL-INDEX-DIAGRAM.

BOOK 2874



Chains.

Retracement commenced March 24, 1915, and executed with a Young and Son's light mountain transit No. 10, with a Smith solar attachment. The horizontal limb being 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.

I examine the adjustments of the transit, and find them to be correct, and from recent tests of the solar apparatus, made by comparing its indications resulting from solar observations, made during a.m. and p.m. hours with a meridian established by observations on Polaris, I know that the instrument is in satisfactory adjustment.

A 5-chain steel tape and clinometer are the instruments employed to determine all distances measured in this survey.

I begin at the cor. of secs. 4, 5, 8 and 9, T.2 S., R.5 W. shown me by John W. Bassett, which is a mesquite post 3 ft. long, 4 ins. square set about 6 ins. below the surface of the ground at the point of intersection of the road leading from Arlington to Gila Bend, Arizona, with the State Highway from Phoenix to Yuma, Arizona. The marks on post although partly obliterated yet are sufficiently clear and distinct to identify the cor. as being the original Government corner, described in the original field notes of the survey of this township; latitude, $33^{\circ} 16' 28''$ N.; longitude, $112^{\circ} 51' 13''$ W.

March 24, 1915: At 8h. 6m. a.m., l.m.t., I set off $13^{\circ} 16\frac{1}{2}'$ N. on the lat. arc; $1^{\circ} 11'$ N. on the decl. arc, and determine a meridian with the solar at the above described cor.

Thence I run,

S. $78^{\circ} 00'$ W., on a random line, bet. secs. 5 and 8.

Over level land, along center of State Highway leading from Phoenix to Yuma, Arizona.

39.64 Fall 9 lks. S. of the $\frac{1}{4}$ sec. cor., which is a malpais stone $12 \times 19 \times 4$ ins., buried 4 ins. below the surface of the ground in center of highway, marked $\frac{1}{4}$ on N. face. This corner, I am informed by settlers was reestablished in its present position about three years ago by local surveyors from the testimony furnished them by settlers who claimed to remember the exact location of the original $\frac{1}{4}$ sec. cor., which was a mesquite post, and had been destroyed by traffic.

True course and dist. of E. $\frac{1}{2}$ of line bet. secs. 5 and 8 is therefore S. $78^{\circ} 08'$ W., 39.64 chs.

From the $\frac{1}{4}$ sec. cor. just found, I run West, on a random line on W. $\frac{1}{2}$ bet. secs. 5 and 8, following center of State highway.

31.80 The Arlington Canal 12 lks. wide, 4 ft. deep, flows S. 15° W.

33.00 At this point, a ranch road bears S. 50° W.

33.25 Leave State Highway brs. N. 85° W.; enter mesa land, covered with greasewood brush undergrowth 3 ft. high.

40.04 Fall 4 lks. N. of the original cor. of secs. 5, 6, 7 and 8, which is a malpais stone, $12 \times 8 \times 6$ ins. buried 3 ins. below the surface of the ground, marked with 5 grooves on E. and S. faces; and indistinct remains of four pits and mound of earth.

True course and dist. of W. $\frac{1}{2}$ of line bet. secs. 5 and 8 is therefore S. $89^{\circ} 57'$ W., 40.04 chs.

West, on a random line, bet. secs. 6 and 7.

Over rolling gravelly mesa land, slopes to the east and southeast, through greasewood brush undergrowth, 3 to 5 ft. high.

34.90 Road to Arlington, Arizona, brs. N. and S.

40.00 No trace of the old $\frac{1}{4}$ sec. cor., can be found after diligent search; therefore, I continue my line and measurement.

2. Retracement of part of the Subdivision lines of T. 2 S. R. 5 W.

Chains.	
80.05	Intersect west bdy. of Tp. 42 lks. S. of the original cor. of secs. 1, 6, 7 and 12, which is a malpais stone, 12x10x10 ins. above ground, firmly set in a mound of stone, marked with 1 notch on N. and 5 notches on S edges, with a mound of stone 3 ft. base, 1½ ft. high, W. of cor. True course and dist. of line, bet. secs. 6 and 7 is therefore S. 89° 42' E., 80.05 chs.

40.00	From the original cor. of secs. 5, 6, 7 and 8, I run, North, on a random line, bet. secs. 5 and 6. Over rolling, sandy and gravelly mesa land, through grease-wood brush undergrowth 2 to 4 ft. high. No trace of the old ¼ sec. cor., which is described as a post, can be found after diligent search; this point falls on the west bank of the Arlington canal.
40.05	Fall 39 lks. W. of the point for the old ¼ sec. cor., as located by the testimony of W. W. Perry. True course and dist. of S. ½ of line bet. secs. 5 and 6 is therefore S. 0° 33' W., 40.05 chs.
.55	From the point for ¼ sec. cor. shown by Perry, I run, North, on a random line on N. ½ of line, bet. secs. 5 and 6. The Arlington canal, 12 lks. wide, 5 ft. deep, course S. 20° E.
33.10	Wire fence brs. N. 15° W. and S. 15° E. Leave mesa land, brs. NW. and SE. Enter level meadow land.
8.25	Same fence brs. N. 30° E. and S. 30° W. Leave level meadow land brs. NE. and SW.; ascend SE. slope of mesa.
11.04	The Arlington canal, 12 lks. wide, 4 ft. deep, course S. 10° W.
15.00	Top of ascent, 20 ft. above bottom land; thence over rolling gravelly and stony mesa land.
30.00	Dry ravine, 28 lks. wide, 12 ft. deep, course SE.; ascend 4 ft.
30.59	Fall 222 lks. E. of the original cor. of secs. 5, 6, 31 and 32 on N. bdy. of Tp., which is a mesquite post 14 ins. long, 2 ins. sq., greatly decayed and marks nearly obliterated, with remains of pits and mound of earth, in nearly their proper positions. True course and dist. of N. ½ of line, bet. secs. 5 and 6 is therefore S. 4° 08' E., 30.67 chs. At this cor. I set off 1° 14' N. on the decl. arc; and at apparent noon, March 24, 1915, observe the sun on the meridian and obtain a reading of 33° 17' N. on the lat. arc.

40.00	From the original cor. of secs. 4, 5, 8 and 9, I run, N. 0° 30' W., on a random line, bet. secs. 4 and 5. Over level bottom land, along center of State Highway leads from Phoenix to Yuma, Arizona. No trace of the original ¼ sec. cor. can be found after diligent search. Continue random line and measurement.
40.18	Fall 16 lks. W. of the point for old ¼ sec. cor., as located by the testimony of W. W. Perry. True course and dist. of S. half of line bet. secs. 4 and 5 is therefore S. 0° 16' E., 40.18 chs.
22.35	From the point for ¼ sec. cor., shown me by Perry, I run N. 0° 30' W. on a random line on N. half of line bet. secs. 4 and 5. Fall 9 lks. W. of the point for original cor. of secs. 4, 5, 32 and 33 on N. bdy. of Tp., as located by the testimony of John W. Bassett. No trace of the original cor. of secs. 4, 5, 32 and 33, or the bearing trees described as cor. accessories can be found after diligent search. True course and dist. of N. ½ of line bet. secs. 4 and 5 is therefore S. 0° 16' E., 22.35 chs.

Retracement of part of the Subdivision lines of T. 2 S., R. 5 W. 3.

Chains.

March 25, 1915: At 7h. 06m., a.m., l.m.t., I set off 33°16½'N. on the lat.arc; 1°34½'N. on the decl.arc; and determine a meridian with the solar at the original cor.of secs. 4, 5, 8 and 9.

Thence I run, S. 2° 00'E. on a random line, bet. secs. 8 and 9, along center of public highway leading from Arlington to Gila Bend, Arizona,

40.00 No trace of the old ¼ sec.cor.can be found after diligent search. Continue random line and measurement.

40.36 Fall 22 lks.W. of a stake set in the center of highway on line with property line fences in secs. 8 and 9, which bear E. and W.

True course and dist. of N.½ of line bet. secs. 8 and 9 is therefore N. 2° 19' W., 40.36 chs.

At this point, the highway changes its bearing; therefore, from stake, I run,

S 0° 30'E., on a random line on S.½, bet. secs. 8 and 9, following center of highway.

.36 Cross irrigating ditch, 8 lks.wide, 2 ft. deep, course S. 80° W.

40.40 Fall 26 lks.W. of the cor. of secs. 8, 9, 16 and 17, which is a pine stake 2 ins. sq., driven level with the surface of the ground in center of highway, alongside of which I find the decayed remains of a mesquite ppst, which is evidently the original cor.

The bearing trees described as cor.accessories have all been chopped down.

True course and dist. of S.½ of line, bet. secs. 8 and 9 is therefore N. 0° 52' W., 40.40 chs.

Note: At this cor., I set off 1° 38' N. on the decl.arc; and at noon, apparent time March 25, 1915, observe the sun on the meridian, and obtain a reading of 33° 15½' N. on the lat.arc.

At old cor. of secs. 8, 9, 16 and 17, described above, the highway changes its bearing; therefore from said cor., I run,

South, on a random line, bet. secs. 16 and 17, along center of highway.

40.00 I make a diligent search for the old ¼ sec.cor., which I am unable to find; therefore, I continue my line and measurement.

80.00 Fall 10 lks.W of the old cor. of secs. 16, 17, 20 and 21, which is a malpais stone 14x8x8 ins. buried about 3 ins. below the surface of the ground in the center of highway. No cor. accessories visible.

True course and dist. of line, bet. secs. 16 and 17 is therefore N. 0° 4' W., 80.00 chs.

March 25, 1915.

March 30, 1915. At the old cor. of secs. 16, 17, 20 and 21, at 9h. 04m. a.m., l.m.t., I set off 33° 15' N. on the lat. arc; 3° 32½' N. on the decl. arc, and determine a meridian with the solar.

Thence. West, on a random line, bet. secs. 17 and 20. Over level land, in public highway.

.48
39.95 Wire fence brs. N. and S. Enter meadow land, brs. N. and S. Fall 4.15 chs. N. of the old ¼ sec. cor., which is a malpais stone 6x6x2 ins. above ground, firmly set, marked ¼ on N. face. No cor. accessories visible.

This cor. is on the line of wire fence, brs. N. and S. True course and dist. of E. half of line bet. secs. 17 and 20 is therefore S. 84° 04' W., 40.17 chs.

From the old ¼ sec. cor. just found, I run

Retracement of part of the Subdivision lines of T.2 S., R.5W.

Chains.	West, on a random line, on W. half, bet. secs. 17 and 20.
4.10	Irrigating ditch, 12 lks. wide, 3 ft. deep, course S. 10° E. Leave meadow land, brs. NW. and SE. Enter brushy bottom land.
13.40	Foot of malpais mesa. Leave Gila River bottom, brs. NW. and SE. Ascend NE. slope of mesa, over stony land, through scattering palo verde timber and brush.
17.20	Top of ascent, 80 ft. above river bottom on edge of mesa brs. NW. and SE.; thence over stony, mesa land.
36.40	West edge of mesa, brs. N. 10° E. and S. 10° W.; descend 80 ft. over NW. slope.
38.00	Foot of descent in sand wash, course NE.
39.77	Fall 4.14 chs. N. of the original cor. of secs. 17, 18, 19 and 20, which is a malpais stone 12x8x10 ins., above ground marked and witnessed as described by the Surveyor General.
	True course and dist. of W. $\frac{1}{2}$ of line bet. secs. 17 and 20, is therefore S. 84° 04' W., 39.99 chs.

	From the original cor. of secs. 17, 18, 19 and 20, I run, South, on a random line, bet. secs. 19 and 20. Ascend NE. slope, over rolling stony mesa land, through scattering palo verde and greasewood brush undergrowth, 4 ft. high.
22.10	Old road to Arlington, Arizona, brs. N. 50° E. and S. 50° W.
39.05	Fall 1.53 chs. E. of the original $\frac{1}{4}$ sec. cor., which is a malpais stone 10x6x10 ins. above ground, loosely set, marked and witnessed as described by the Surveyor General.
	True course and dist. of N. $\frac{1}{2}$ of line bet. secs. 19 and 20, is therefore N. 2° 15' E., 39.08 chs.
	From original $\frac{1}{4}$ sec. cor. described above, I run, South, on a random line on S. half; bet. secs. 19 and 20.
40.20	Fall 7 lks. E. of the original cor. of secs. 19, 20, 29 and 30, which is a malpais stone 12x8x10 ins. above ground, firmly set, marked with 5 grooves on E. and 2 grooves on S. faces, with mound of stone 2 ft. base, 1 ft. high, W. of cor.
	True course and dist. of S. $\frac{1}{2}$ of line, bet. secs. 19 and 20 is therefore N. 0° 6' E., 40.20 chs.

	From the original cor. of secs. 19, 20, 29 and 30, I run, East, on a random line, bet. secs. 20 and 29. Over rolling, stony mesa land, slopes to the NE., through greasewood brush undergrowth, 4 ft. high.
40.19	Fall 6 lks. N. of the old $\frac{1}{4}$ sec. cor., which is a malpais stone 6x12x10 ins. above ground, firmly set, marked $\frac{1}{2}$ on N. face, with a mound of stone 2 ft. base, 1 ft. high N. of cor.
	True course and dist. of W. half of line, bet. secs. 20 and 29 is therefore N. 89° 55' W., 40.19 chs.
	From old $\frac{1}{4}$ sec. cor., I run, East, on a random line on E. half; bet. secs. 20 and 29.
38.10	Road from Arlington to Gila Bend, Arizona, brs. N. 70° W. and S. 70° E.
40.22	Fall 3 lks. S. of the original cor. of secs. 20, 21, 28 and 29, which is a malpais stone, 12x12x10 ins. above ground, firmly set, marked with 4 grooves on E. and 2 grooves on S. faces; with mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	True course and dist. of E. half of line bet. secs. 20 and 29 is therefore S. 89° 58' W., 40.22 chs.

	Note: At this cor. I set off 3° 35' N. on the decl. arc; and at noon, apparent time March 30, 1915, observe the sun on the meridian, and obtain a reading of 33°

Retracement of part of the Subdivision lines of T.2 S. R.5 W. 5

Chains

14' N. on the lat. arc.

The original cor. of secs. 16, 17, 20 and 21, being plainly visible from cor. of secs. 20, 21, 28 and 29, I run, N. 0°34' E., on a random line, between secs. 20 and 21. Over rolling stony mesa land, through greasewood and palo verde brush undergrowth, 4 to 6 ft. high.

- 5.00 North edge of mesa, brs. NW. and SE.; descend steep rocky NE. slope, into the Gila River bottom.
- 6.80 Road from Arlington to Gila Bend, Arizona, on dugway bears N. 30°W. and S 30°E.
- 10.00 Foot of descent from mesa 80 ft. below top; leave stony mesa land. Enter the Gila River bottom, brs. NW. and SE.
- 12.75 Road from Arlington to Gila Bend, Arizona, brs. .50°E. and S. 50°W.
- 20.00 Enter road from Arlington to Gila Bend, Arizona, bears north and S. 20°E.; thence along road.
- 40.00 I make a diligent search for the old $\frac{1}{4}$ sec. cor., which I fail to find; therefore I continue my line and measurement.
- 87.57 Intersect the original cor. of secs. 16, 17, 20 and 21, hereinbefore described.
True course and dist. of line bet. secs. 20 and 21 is therefore N. 0°34' E., 87.57 chs.

March 30, 1915.

To

6. Retracement of part of the North boundary of T.2 S. R. 5 W

Chains.

Retracement commenced March 25, 1915, and executed with a Young and Sons' light mountain transit No.10, with a solar attachment. The horizontal limb being 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.

I examine the adjustments of the transit, and finding them correct, I know from recent tests of the solar apparatus by comparing its indications, resulting from solar observations made during a. m. and p.m. hours with a meridian established by observations on Polaris, that the instrument is in satisfactory adjustment.

A 5 chain steel tape and clinometer are the instruments employed to determine all distances measured in this retracement, I begin at the cor. of secs. 5, 6, 31 and 32 on N. bdy. of T.2 S., R. 5 W. hereinbefore described in the foregoing field notes of the retracement of part of the subdivision lines of T.2 S., R.5 W.; latitude $33^{\circ} 17' 20''$ N.; longitude $112^{\circ} 52' 16''$ W.

At this cor., I set off $33^{\circ} 17' N.$ on the lat. arc; $1^{\circ} 39\frac{1}{2}' N.$ on the decl. arc, and at 1h.36m. p.m., l.m.t., March 25, 1915, determine a meridian with the solar.

Thence I run,

N. $89^{\circ} 59' W.$, on a random line, bet. secs. 6 and 31.

Over rolling gravelly mesa land, through scattering greasewood and mesquite brush undergrowth 4 ft. high.

40.00 No trace can be found of the old $\frac{1}{4}$ sec. cor. after diligent search; therefore, I continue my line and measurement.

80.12 Intersect W. bdy. of Tp. 41 lks. S. of the cor. of Ts. 1 and 2 S., Rs. 5 and 6 W. (reestablished by Jesse B. Wright, U.S. Surveyor in Feby. 1914) which is an iron post 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,

T 1 S in N.,
R 5 W in E.,
T 2 S 1914 in S, and
R 6 W in W. half;
S 36 in NW.,
S 31 in NE.,
S 6 in SE., and

S 1 in SW. quadrants; with pits 24x24x12 ins. on line N., E. and W. 4 ft., and S of post, 8 ft. dist., and mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high, S of cor.

The original Tp. cor., which was a mesquite post, 3 ft. long, 4 ins. sq., properly marked, I find lying alongside of the iron post.

True course and dist. of Tp. bdy. bet. secs. 6 and 31 is therefore N. $89^{\circ} 41' W.$, 80.12 chs.

From the original cor. of secs. 5, 6, 31 and 32, I run, S $89^{\circ} 59' E.$, on a random line, bet. secs. 5 and 32.

Over low gravelly hills, slopes to the SE., through greasewood brush undergrowth, 4 ft. high.

.60 Dry sand wash, 10 lks. wide, 2 ft. deep, course S. $70^{\circ} E.$

8.00 East edge of mesa 25 ft. above Gila River bottom; descend SE. slope.

8.80 The Arlington canal, 12 lks. wide, 4 ft. deep, flows S. $20^{\circ} W.$

10.00 Foot of descent in the Gila River bottom, leave mesa land, bears N. $10^{\circ} E.$ and S. $10^{\circ} W.$; enter level sandy bottom land.

40.00 I make a diligent search for the old $\frac{1}{4}$ sec. cor., which I am unable to find; therefore I continue my line and measurement along wire fence.

41.70 Wire fence brs. N. and S. 20 lks. south of intersection with fence line bears E. and W.

Retracement of part of the N. bdy. of Township 2 South, Range 5 W. 7.

Chains.

61.46 Wire fence brs. N. and S.

80.36 Fall 8 lks. S. of the point for cor. of secs. 4, 5, 32 and 33, located by John W. Bassett, as hereinbefore described.

True course and dist. of the Tp. bdy. bet. secs. 5 and 32 is therefore S. 89° 50' W., 80.36 chs.

March 25, 1915.



8. Retracement of part of the Subdivision lines of T.1 S. R.5 W. Chains.

Retracement commenced March 26, 1915, and executed with a Young and Sons' light mountainous transit No.10, with a solar attachment. The horizontal limb being 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.

Before beginning the retracement of subdivision lines in this township, I examine the adjustments of the transit and find them to be correct, and from recent tests of the solar apparatus, made by comparing the results of solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris, I know that the instrument is in satisfactory adjustment.

A 5 chain steel tape and clinometer are the instruments employed to determine all distances measured in this survey.

I begin at the original cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp; hereinbefore described in the field notes of the retracement of part of the Subdivision lines of T.2 S., R.5 W.; latitude, 33°17'20"N.; longitude, 112° 52' 16' W.

March 26, 1915. At 7h.36m. a.m., l.m.t., I set off 33°17' N. on the lat. arc; 1°58' N. on the decl. arc, and determine a meridian with the solar at the above mentioned cor.

Thence I run,

N.0°03' W., on a random line, bet. secs. 31 and 32.

Over hilly mesa land, slopes to the southeast, through greasewood brush undergrowth 4 ft. high.

.90 Dry ravine, 8 lks. wide, 2½ ft. deep, course SE.; ascend SW. slope.

40.03 Fall 31 lks. west of the original ¼ sec. cor., which is a mesquite stake 2 ins. sq., 24 ins. above ground, firmly set, marked ¼ S on W. face, with remains of two distinct pits and mound of earth around the stake.

True course and dist. of S. ½ of line, bet. secs. 31 and 32 is therefore N.0° 24' E., 40.03 chs.

From the original ¼ sec. cor., just found, I run,

26.00 N.0° 03' W., on a random line on N. ½, bet. secs. 31 and 32. Old road along top of mesa bears N. 40° E. and S. 40° W. leads to Arlington, Arizona.

37.25 Dry sand wash, 25 lks. wide, 3 ft. deep, course S. 60° E.; ascend.

40.08 Fall 5 lks. E. of the remains of original cor. of secs. 29, 30, 31 and 32, which is the decayed end of a mesquite post about 8 ins. long in the center of an earth mound equidistant from the centers of 4 indistinct pits.

True course and dist. of N. ½ of line bet. secs. 31 and 32 is therefore N.0°7' W., 40.08 chs.

From the point in the earth mound where the decayed remains of the old post cor. of secs. 29, 30, 31 and 32 is found, I run,

East, on a random line, bet. secs. 29 and 32.

Over hilly mesa land, through greasewood brush undergrowth 4 ft. high.

8.40 Road to Arlington, Arizona, brs. N. and S.

26.00 Dry sand wash, 30 lks. wide, 20 ft. deep, course S. 40° W.

30.50 Leave hilly mesa land, brs. NW. and SE. Enter rolling land in the Gila River bottom.

32.15 The Arlington canal, 12 lks. wide, 4 ft. deep, course S. 15° W.

33.00 Enter lane, bears NW. and E.; thence along same.

40.00 I make a diligent search for the original ¼ sec. cor., which I am unable to find, and since there is no testimony of settlers available as to the original location of this cor. I continue my line and measurement.

80.00 No trace can be found of the original cor. of secs. 28, 29, 32 and 33 after diligent search.

Retracement of part of the Subdivision lines of T.1 S. R.5 W. 9.

Chains.

80.58 Fall 58 lks.N. of the point for the old cor.of secs.28,29, 32 and 33, located by the testimony of J. G. Montgomery, at the intersection of public road bearing E. and W. with the State Highway from Phoenix, to Yuma, Arizona. True course and dist.of line bet. secs.29 and 32 is therefore N.89° 35'W., 80.58 chs.

from the point for cor.of secs.28,29,32 and 33, a flag set at the point for cor.of secs. 4,5,32 and 33 on S.bdy. of the Tp., which was located by the testimony of John W.Bassett, as hereinbefore described is plainly visible; therefore I run for said flag.

S 0° 15'W., on a random line, bet. secs.32 and 33. Over level land in center of state highway from Phoenix to Yuma, Arizona.

40.00 I make a diligent search for the old 1/4 sec.cor., which I am unable to find, and since there is no settler's testimony available as to the location of this cor., I continue my line and measurement.

79.50 Intersect the flag setat the point for cor.of secs. 4,5, 32 and 33 on S bdy.of Tp. True course and dist. of line bet. secs.32 and 33 is therefore N. 0°15'E., 79.50 chs.

At this cor.point, I set off 2° 01 1/2'N. on the decl.arc; and at noon apparent time March 26, 1915, observe the sun on the meridian, and obtain a reading of 33° 17' N. on the lat.arc, which is about the proper latitude of this place.

From the point for cor.of secs.28,29,32 and 33,hereinbefore described, I run, N.0° 10'E., on a random line, bet. secs.28 and 29, along center of State Highway from Phoenix, to Yuma, Arizona.

39.93 A point in center of highway in line with property line fences in secs.28 and 29, which bear E. and W.

40.00 I make a diligent search for the old 1/4 sec.cor., which I am unable to find, and since there is no testimony of settlers available at the present time as to its original clocation, I continue my line and measurement.

55.50 Leave State Highway, brs.N.60°E.along ranch road.

56.02 The Arlington canal 12 lks.wide, course S. 70° W.Leave Gila River bottom bears N. 60° E., and S 70°W. Ascend S. slope of mesa, through greasewood brush undergrowth 3 ft.high.

80.00 No trace of the original cor. of secs. 20,21,28 and 29, can be found after diligent,search, and since there are no settlers residing nearby who remember the exact location of the original cor.I set temp.cor.of secs. 20,21,28 and 29 at this point.

From temp.cor. of secs. 20,21, 28 and 29, I run, N.0°10'E.,on arandom line, bet. secs. 20 and 21. Over rolling, gravelly, mesa land, through greasewood brush undergrowth, 4 ft.high.

32.00 Road to Arlington, Arizona, bears N. 40°E. and S.40°W.

40.00 I make a diligent search for the original 1/4 sec.cor., which I fail to find, and since there is no testimony of settlers obtainable at the present time as to the exact location of this cor., I continue my line and measurement.

48.45 Old road brs.E. and W.

56.80 Road to Arlington,Arizona, brs.N.10°W. and S.10°E.

73.45 Road to Arlington,Arizona, brs.N.40°W. and S.40°E.

80.00 No trace can be found of the original cor.of secs.16,17, 20 and 21, after diligent search, and since there is

10. Retracement of part of the Subdivision lines of T.1S., R.5 W.

Chains.

no testimony of settlers obtainable as to the original location of this cor., I set temp. cor. of secs. 16, 17, 20 and 21 at this point.

March 26, 1915.

March 27, 1915: At 7h. 06m., a.m., l.m.t., I set off $33^{\circ}20'$

N. on the lat. arc; $2^{\circ}21\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar at the temp. cor. of secs. 16, 17, 20 and 21, which I set last evening.

Thence I run,

N. $89^{\circ}55'W.$, on a random line, bet. secs. 17 and 20.

Over nearly level gravelly mesa land, through greasewood brush undergrowth, 3 to 5 ft. high.

1.55 Road to Arlington, Arizona, bears N. and S.

41.32 Fall 130 lks. N. of the original $\frac{1}{4}$ sec. cor., which is a mesquite post 2 ins. sq., 24 ins. in the ground, firmly set, marked $\frac{1}{4}$ S on N. face. No cor. accessories visible. True course and dist. of E. $\frac{1}{2}$ of line bet. secs. 17 and 20, based on my temp. sec. cor. is therefore S. $88^{\circ}17'W.$, 41.34 chs.

From the original $\frac{1}{4}$ sec. cor., just found, I run,N. $89^{\circ}55'W.$, on a random line on W. half bet. secs. 17 and 20.

40.07 Fall 75 lks. S. of the original cor. of secs. 17, 18, 19 and 20, which is a mesquite post 3 ins. square, 14 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.

True course and dist. of W. $\frac{1}{2}$ of line, bet. secs. 17 and 20, is therefore N. $88^{\circ}51'W.$, 40.08 chs.

From original cor. of secs. 17, 18, 19 and 20, described above, I run,

South, on a random line, bet. secs. 19 and 20.

Over rolling, sandy and gravelly mesa land, through greasewood brush undergrowth 3 to 6 ft. high.

31.30 Dry sand wash, 25 lks. wide, 1 ft. deep, course S. $30^{\circ}E.$

40.00 No trace of the original $\frac{1}{4}$ sec. cor., can be found after a diligent search, and as there is no testimony of settlers available at the present time as to the original location of this cor., I continue my line and measurement.

77.60 Dry sand wash, 25 lks. wide, 2 ft. deep, course S. $80^{\circ}E.$

80.00 No trace of the original cor. of secs. 19, 20, 29 and 30, can be found after a diligent search, and as there is no other evidence relative to the original location of this cor. I set temp. cor. of secs. 19, 20, 29 and 30, at this point.

From the temp. cor. of secs. 19, 20, 29 and 30, I run, East, on a random line, bet. secs. 20 and 29.

Over rolling, gravelly mesa land, through mesquite and greasewood brush undergrowth, 4 to 6 ft. high.

6/85 Dry sand wash, 25 lks. wide, 2 ft. deep, course S. $40^{\circ}E.$

19.15 Dry sand wash, 15 lks. wide, 1 ft. deep, course S. $10^{\circ}W.$; ascend 15 ft.

38.60 Road to Arlington, Arizona, hrs. N. $20^{\circ}E.$ and S. $20^{\circ}W.$ on low hill, hrs. NE. and SW.; descend.

40.97 Fall 88 lks. S. of the original $\frac{1}{4}$ sec. cor., which is a mesquite post 2 ins. in diam., 24 ins. long, marked $\frac{1}{4}$ S lying on top of mound of earth midway between the remains of two pits.

True course and dist. of W. $\frac{1}{2}$ of line, bet. secs. 20 and 29, based on my temp. sec. cor. is therefore S. $88^{\circ}46'W.$, 40.98 chs.

From the original $\frac{1}{4}$ sec. cor. just found, I run,East, on a random line on E. $\frac{1}{2}$, bet. secs. 20 and 29.

Retracement of part of the Subdivision lines of T.1 S. R.5 W. 11.

Chains.

13.50 Old road to Arlington, Arizona, brs. N.20°E. and S.20°W.
 34.55 Old road to Arlington, Arizona, brs. N.30°E. and S.30°W.
 40.00 At this point, I again make a diligent search for the old cor. of secs. 20, 21, 28 and 29, but can find no trace of same.
 40.21 Fall 43 lks. N. of the temp. cor. of secs. 20, 21, 28 and 29, which I set yesterday.
 True course and dist. of E. 1/2 of line, bet. secs. 20 and 29 based on this temp. sec. cor. is therefore N. 89° 23' W., 40.21 chs.
 At this temp. sec. cor., I set off 2° 25' N. on the decl. arc; and at noon apparent time March 27, 1915, observe the sun on the meridian, the resulting lat. being 33° 19' N.

 March 27, 1915: At 1h. 36m. p.m., l.m.t., I set off 33° 20' N. on the lat. arc; 2° 26 1/2' N. on the decl. arc, and determine a meridian with the solar at the temp. cor. of secs. 16, 17, 20 and 21.

Thence I run,
 East, on a random line, bet. secs. 16 and 21.
 Over rolling, sandy mesa land, through greasewood brush undergrowth, 4 to 6 ft. high.
 1.10 Dry sand wash, 20 lks. wide, 3 ft. deep, course S. 50° E.
 40.40 Fall 2.84 chs. S. of the original 1/4 sec. cor., which is a mesquite post, 2 1/2 ins. in diam., 20 ins. above ground firmly set, marked 1/4 S on N. face. No trace of the pits and mound described as cor. accessories can be found.
 True course and dist. of W. 1/2 of line bet. secs. 16 and 21, based on my temp. sec. cor. is therefore S 85° 59' W., 40.50 chs.
 From the original 1/4 sec. cor. just found, I run,
 East, on a random line on E half, bet. secs. 16 and 21.
 14.65 Road to Arlington, Arizona, brs. N. and S.
 21.00 Foot of malpais mesa brs. N. 30° W. and S. 30° E.; leave sandy and gravelly land brs. NW. and SE. Ascend SW. slope, 30 ft. over loose malpais boulders.
 30.00 Top of ascent on W. edge of stony mesa, brs. N. 30° W. and S. 30° E.; thence over rolling, stony land.
 39.18 Fall 2.88 chs. N. of the original cor. of secs. 15, 16, 21 and 22, which is a malpais stone 12x10x8 ins., firmly set, in a mound of stone, marked and witnessed as described by the Surveyor General.
 True course and dist. of E. 1/2 of line bet. secs. 16 and 21, is therefore N. 85° 48' W., 39.29 chs.

 South, on a random line, bet. secs. 21 and 22.
 Over rolling, stony, mesa land, through greasewood and mesquite brush undergrowth, 4 ft. high, slopes to the SW.
 16.00 South edge of mesa, brs. NW. & SE. Desc. steep, rocky, SW. slope, 40 ft.
 18.00 South Foot of mesa, brs. NW. and SE.; thence over rolling, sandy bottom land.
 39.97 Fall 21 lks. W. of the original 1/4 sec. cor., which is a mesquite post 3 ins. sq., 18 ins. above ground, firmly set, marked 1/4 S on W. face. No cor. accessories.
 True course and dist. of N. 1/2 of line, bet. secs. 21 and 22 is therefore N. 0° 18' W., 39.97 chs.
 From the original 1/4 sec. cor. just found, I run,
 South, on a random line, on S 1/2, bet. secs. 21 and 22.
 9.20 Road to Arlington, Arizona, brs. N. 40° W. and S. 40° E.
 14.10 Dry sand wash, 20 lks. wide, 2 ft. deep, course S. 30° E.
 35.70 The Arlington canal 15 lks. wide, 5 ft. deep, course S 80° W.
 39.00 The postoffice and store in Arlington, Arizona, bears E. about 2.00 chs. dist.
 39.50 Wire fence along State Highway from Phoenix to Yuma, Arizona bears E. and W. Enter highway.
 40.00 No trace of the original cor. of secs. 21, 22, 27 and 28, or

12. Retracement of part of the Subdivision lines of T.1S., R.5 W.

Chains.

- of the bearing trees described as cor.accessories can be found after diligent search.
- 40.13 Fall 22 lks. E. of the recognized point for cor. of secs. 21, 22, 27 and 28 in center of State Highway.
March 27, 1915.
-
- March 29, 1915: At 11h. 05m. a.m., l.m.t., I set off $33^{\circ}18'$ N. on the lat.arc; $3^{\circ}11'$ N. on the decl.arc, and determine a meridian with the solar at the point for cor. of secs. 28, 29, 32 and 33, located by settlers' testimony as hereinbefore described.
- Thence I run,
S. $88^{\circ}37'$ E., on a random line, bet. secs. 28 and 33; along public road.
- 39.90 Leave public road, brs. N. Enter cultivated field, brs. N. and S.
- 39.97 Fall 47 lks. N. of point of original location of the $\frac{1}{4}$ sec. cor., which point I locate as per original notes, S. 30° W., 90 lks. dist. from the old NE. bearing tree, which is a mesquite stump 14 ins. in diam., 4 ft. high, marked $\frac{1}{4}$ S B T.
- True course and dist. of W. $\frac{1}{2}$ of line bet. secs. 28 and 33 is therefore N. $87^{\circ}57'$ W., 39.97 chs.
- At this point, I set off $3^{\circ}12'$ N. on the decl.arc; and at noon apparent time observe the sun on the meridian and obtain a reading of $33^{\circ}18'$ N., on the lat.arc.
- From the point for $\frac{1}{4}$ sec. cor., located as above described, I run,
East, on a random line on E. half, bet. secs. 28 and 33.
- 40.10 Fall 11 lks. N. of the original cor. of secs. 27, 28, 33 and 34, which is a mesquite post, 3 ins. sq., 12 ins. above ground, firmly set alongside of corner post of wire fence, brs. west and south, marked as described by the surveyor general.
- True course and dist. of E. half of line, bet. secs. 28 and 33 is therefore N. $89^{\circ}51'$ W., 40.10 chs.
-
- From the original cor. of secs. 27, 28, 33 and 34, described above, I run,
North, on a random line, bet. secs. 27 and 28.
Over level, sandy cultivated land, through dense undergrowth of sunflowers.
- 20.20 Wire fence brs. E. and W.; leave cultivated land, bears E. and W. Enter public road, brs. W.; thence along road.
- 40.00 No trace of the $\frac{1}{4}$ sec. cor. is found after diligent search; therefore, I continue my line and measurement.
- 81.40 Intersect the recognized point for cor. of secs. 21, 22, 27 and 28, hereinbefore described.
True course and dist. of line bet. secs. 27 and 28 is therefore, North, 81.40 chs.

March 29, 1915.

Sidney C. Blount
U. S. Surveyor.

STATE OF ARIZONA
 County of Maricopa } ss

BOOK 2874

I W. W. Perry, of lawful age,
 depose and state that I have resided in Sec. 5, T. 2 S., R. 5 W.
 G. & S. R. B. M. Arizona, since 1897, and do solemnly affirm that I
 have frequently seen the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 5. in T. 2 S.,
 R. 5 W., G. & S. R. B. & M., which consisted of a mesquite post about
 3 ins. square and 3 ft. long marked $\frac{1}{4}$ S. and which by reason of
 its age and resemblance to other Government quarter section
 corners which I have seen at other places in this township, I
 believe was the original government corner, and that the position
 pointed out by me to United States Surveyor, Sidney E. Blout, is,
 to the best of my knowledge and belief, the exact position
 formerly occupied by said corner.

This corner was destroyed in the construction of a lateral
 ditch to the Arlington Canal.

W. W. Perry
 Affiant's signature

Subscribed and sworn to before me this 29 day of March
 A. D., 1915.

Sidney E. Blout
 U. S. Surveyor.

OCT 12 1915

STATE OF ARIZONA
County of Maricopa } ss.

I W. W. Perry, of lawful age,
depose and state: That I have resided in Sec. 5, T. 2 S., R. 5 W.
G. & S. R. B. & M. Arizona since 1897 and do solemnly affirm, that
on several different occasions I have seen the $\frac{1}{4}$ sec. cor. bet.
secs. 5 and 6 of T. 2 S., R. 5 W., G. & S. R. B. & M. Arizona which
consisted of a small stone, marked $\frac{1}{4}$ on the W. face and which, by
reason of its resemblance to other Government monuments which
I have seen, I believe was the original government corner, and
that the position pointed out by me to United States Surveyor,
Sidney E. Blout, is, to the best of my knowledge and belief, the
exact position formerly occupied by said corner.

This corner, to my certain knowledge was destroyed during the
construction of the Arlington Canal.

W. W. Perry
Affiant's signature.

Subscribed and sworn to before me this 29 day of March
A. D., 1915.

Sidney E. Blout
U. S. Surveyor.

STATE OF ARIZONA }
County of Maricopa } ss.

I J. J. Montgomery of lawful age, depose and state: That I have resided in T.1 S., R.5 W., G.& S. R.B.& M. Arizona since 1898 and do solemnly affirm that I have frequently seen the corner of secs.28,29,32,and 33. T.1 S., R.5 W., which was a mesquite post about 3 ins. square with some marks scribed on it, and which, by reason of its age and resemblance to other Government Survey posts which I have seen, I believe was the original government corner, and that the position pointed out by me to United States Surveyor, Sidney E. Blout, is to the best of my knowledge and belief, the exact position formerly occupied by said corner.

J. J. Montgomery
Affiant's signature.

Subscribed and sworn to before me this 30 day of March A. D. 1915.

Sidney E. Blout
United States Surveyor.

STATE OF ARIZONA) ss
County of Maricopa

I John W Bassett of lawful age,
depose and state: That I have resided in Sec. 8, T. 2 S., R. 5 W.
G. & S.R.B. & M., Arizona since 1910, and do solemnly affirm that
I have frequently seen the corner of sections 4, 5, 32, and 33. on
the north boundary of T.2 S., R.5 W. which consisted of a
mesquite post about 3 ins. square with one or more bearing trees,
and which, by reason of its age and resemblance to other Government
post corners which I have seen, I believe was the original
government corner, and that the position pointed out by me to
United States Surveyor, Sidney E. Blout, is to the best of my
knowledge and belief, the exact position formerly occupied by said
corner.

John W Bassett
Affiant's Signature.

Subscribed and sworn to before me this 29th day of March.
A. D. 1915.

Sidney E Blout
U.S. Surveyor.

BOOK 2872

FINAL OATH OF UNITED STATES SURVEYOR.

I, Sidney E. Blout, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona for Group N° 40 bearing date of the 26th day of December, 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~~ ^{retraced} all those parts or portions of the boundaries and subdivision lines of Townships Nos 1 and 2 South of Range No. 5 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 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 N° 40 and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.~~ ^{retracement.}

Sidney E. Blout
U. S. Surveyor.

Subscribed by said Sidney E. Blout, and sworn to before me }
this 19 day of October, 1915



Frank S. Ingalls
SURVEYOR-GENERAL OF ARIZONA

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona February 27, 1917.

The foregoing field notes of the Retracement of
part of the Subdivision lines of Township 1 South - Range 5 West
and

of part of the Subdivision lines and North boundary of
Township N° 2 South, Range N° 5 West of the
Gila and Salt River Base and Meridian in the State of Arizona

executed by Sidney E. Blout, U.S. Surveyor
under his special instructions dated December 16, 1914 for Group N° 40, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements they describe, are hereby approved.

Frank O. Frost
U. S. 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.