

Book A

BOOK 2629

FIELD NOTES

Re
OF THE SURVEY OF THE

3rd Standard Parallel North
through Range 1 East and portion of Range 1 W.

Of the *Golden Gate River* Base and Meridian,
In the State of *Arizona*

EXECUTED BY

Sidney C. Blunt

In the capacity of U. S. Surveyor, under instructions dated *Oct. 9*, 1912,
issued by the United States Surveyor General to govern surveys included in
Group No. *70*, which were approved by the Commissioner of the General Land
Office, *October 17*, 1912, pursuant to authority contained in the Act of
Congress dated *August 23*, 1912

ReSurvey commenced *February 19*, 191*3*

ReSurvey completed *June 21*, 191*3*

1A

BOOK 2629

INDEX DIAGRAM.

Township 13 N, Range 1 E

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
8	7	6	6	5	4

E. and P. P. McLean

36

4

24

T 12 1/2 N.
R. 1 W.

6

3rd Standard Parallel North

T. 12 N. R. 1 E.

portion of

Resurvey of the 3rd Standard Parallel North through R. 1 W.

Chains Resurvey commenced February 19 1913., and executed with a Young and sons light mountain transit No. 10., with a Smith solar attachment., The horizontal limb is provided with two double verniers, placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

I examine the adjustments of the transit and find them correct, and 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 determined by observation on Polaris. I know that the instrument is in satisfactory adjustment.

I begin at the old standard meridian cor., which is a cedar post 3 ft. long, greatly decayed, with marks nearly obliterated, set in a mound of stone., with no cor accessories. latitude $34^{\circ}27'38''$ N.; longitude $112^{\circ}18'24''$ W.

The old standard meridian cor. being in a state of dilapidation, I destroy all evidence of the old cor. and re-establish it in the same place as follows; Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for standard meridian reference cor., marked on brass cap, 1913; T 13 N., R 1 E., S 31 in N. and T $12\frac{1}{2}$ N., R 1 W. S 13 in S. half. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

All measurements were made with 5.00 chain steel tapes with clinometers for determining the slope angles.

At this cor. I set off $34^{\circ}27\frac{1}{2}'$ N. on the lat. arc, $11^{\circ}17\frac{1}{2}'$ S. on the decl. arc and at 9^h. 14m a.m., l.m.t. determine a meridian with the solar

Thence I run,

2.19 West, on a random line, on S. bdry. sec. 31, T. 13 N., R. 1 E. Fall 86 lks. S. of the remains of the old closing cor. of Tps. 13 N., Rs. 1 E., and 1 W., which is a granite stone 12x10x6 ins. loosely set marks almost obliterated. No cor. accessories.

I destroy all evidence of the old cor. and reestablish it in its original position as follows; Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 13 N., Rs. 1 E., and 1 W., marked on brass cap, 1913; CC. N. of center. T 13 N. in N., T $12\frac{1}{2}$ N. R 1 W. S 13 in S. half. R 1 W. S 36 in NW., and R 1 E. S 31 in NE.; Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.; Pits impracticable.

Thence, from closing cor. of Tps. 13 N., Rs. 1 E., and 1 W., I run West, on a random line, on S. bdry. of sec. 36.

41.46 Fall 136 lks. S. of the old standard $\frac{1}{4}$ sec. cor., which is a granite stone 12x8x7 ins. above ground, loosely set, marks almost obliterated. No cor. accessories.

I destroy all evidence of the old cor., and re-establish it in the same place as follows; Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ^{STANDARD} ~~1 1/4~~ sec. cor., marked on brass cap, ¹⁹¹³ $\frac{1}{4}$ S 31 in W. half.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

Thence I run,

S. $33^{\circ}07'$ E., on a true line, on S. bdry. sec. 31, on E $\frac{1}{2}$ mile. Descend SE. slope over stony hilly land, through dense oak brush, 4 ft. high.

26.50 Dry ravine, 30 lks. wide, course south, ascend.

34.00 Top of ridge, bears N. and S., desc.

37.50 Dry ravine, 10 lks. wide, course south, asc.

Difference between measurements of 41.48 chs., by two sets of chainmen is 8 lks.; position of middle point

By 1st set, 41.44 chs.

By 2nd set, 41.52 chs.; the mean of which is

41.48 Intersect the closing cor. of Tps. 13 N., Rs. 1 E., and 1 W. which I re-established this day, as hereinbefore described. Land broken and hilly. S. slope; soil poor stony loam. No timber.

February 19, 1913.

markings on these cor. referring to
 be changed to refer to sec. 24, see
 27 Book B.

Resurvey of the 3rd Standard Parallel North, through R. 1 E

Chains. Resurvey commenced February 20, 1913., and executed with a Young and Sons light mountain transit No. 10., with a Smith solar attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

I examine the adjustments of the transit and find them to be correct., and 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 determined by observation on Polaris., I know that the instrument is in satisfactory adjustment.

I begin at the closing Cor. of Tps. 13 N., Rs. 1 E. and 1 W., which I reestablished Feb. 19, 1913, as hereinbefore described at $34^{\circ}27'38''$ N., longitude $112^{\circ}18'24''$ W.

All measurements were made with 5 chain steel tapes, with clinometers for determining slope angles.

At 8^h 14^m a.m., l.m.t. I set off $34^{\circ}27\frac{1}{2}'$ N. on the lat. arc, $10^{\circ}56\frac{1}{2}'$ S. on the decl. arc, and determine a meridian with the solar at the above mentioned closing cor.

Thence I run

East, on random line on S. bdry. sec. 31, T. 13 N., R. 1 E.

- 2.19 Fall 6 lks. N. of the standard meridian reference cor., which I re-established February 19, 1913, as hereinbefore described. True course & dist. of line back to the GC. Tps. 13 N., Rs. 1 E., and 1 W. is therefore N. $88^{\circ}26'$ W., 2.19 chs.

From Stand. Meridian reference cor., above mentioned, I run,

East, on random line on 3rd Std. Parallel North, thru Range 1 E. Alligent

- 2.49 Make diligent search but fail to find any trace of old closing cor. of Sp. 2 N., R. 1 E. and Tps. 12 $\frac{1}{2}$ N., R. 1 W. therefore I continue random line & measurement, East,

- 8.48 making diligent search at each 40.00 and 80.00 chs. for the old Std. $\frac{1}{4}$ sec. & sec. cors. without finding any trace of same, until later search.

- 286.21 Fall 308 lks. N. of the old standard $\frac{1}{4}$ sec. cor. on S. bdry. of sec. 34, which is a schist stone 18x14x3 ins., loosely set in a mound of stone, marked $\frac{1}{4}$ SC. on N. face. No cor. accessories. True course & dist. of line back to the standard meridian reference cor., is therefore N. $89^{\circ}23'$ W., 286.21 chs.

Note: Clouds obscure the sun at noon today rendering an observation for latitude impossible.

February 20, 1913.

NOTE: A heavy snow storm since the evening of Feb. 20 prevented field work until the morning of Feb. 28, 1913

Feb. 28, 1913; At 9^h 42^m a.m., l.m.t. I set off $34^{\circ}27\frac{1}{2}'$ N. on the lat. arc, $7^{\circ}59'$ S. on the decl. arc, and determine a meridian with the solar at the old standard $\frac{1}{4}$ sec. cor. on S. bdry. of sec. 34, as above described, thence I run,

East, on a random line, on S. bdry. of sec. 34, on E $\frac{1}{2}$ mile,

- 40.00 I make a diligent search for the old standard cor. of secs. 34 and 35, but am unable to find any trace of the cor.; therefore, I set temp. point for standard cor. of secs. 34 and 35.

Note: Clouds obscure the sun at noon today rendering an observation for latitude impossible.

I find the snow over this portion of the line of so great a depth as to render further search for the old cors. useless and return to my camp.

February 28, 1913.

March 3: 1913. At 9^h 42^m a.m., l.m.t. I set off $34^{\circ}27\frac{1}{2}'$ N. on the lat. arc, $6^{\circ}50\frac{1}{2}'$ S. on the decl. arc, and determine a meridian with the solar at the temp. point for standard cor. of secs. 34 and 35, which I set Feb. 28¹⁹¹³. Thence I run continue my ^{RANDOM} line, East., making careful search at each 40.00 and 80.00 chs. for the old stand. $\frac{1}{4}$ sec. and sec. cors. without finding any trace of same, until at

- 178.09 Fall 48 lks. S. of the old stand. $\frac{1}{4}$ sec. cor. on S. bdry. of sec. 36, which is a quartz stone 12x10x8 ins., loosely set in a small mound of stone, marked SC. $\frac{1}{4}$ on N. face. No cor. accessories

Resurvey of the 3 rd. Standard Parallel North, through R 1 E.

chains.

True course & dist. of line back to the old standard $\frac{1}{4}$ sec. cor. on S. bdry. of sec. 34, is therefore S. $89^{\circ}50'W$, 172.09 chs.

Note: At the point for standard cor. of secs. 35 and 36. I set off 6948'S. on the decl. arc, and at noon observe the sun on the meridian, and obtain a reading of $34^{\circ}27\frac{1}{2}'N$. on the lat. arc.

March 3, 1913.

March 4, 1913. At 10^h 12^m a.m., l.m.t. I set off $34^{\circ}27\frac{1}{2}'N$. on the lat. arc, 6927'S. on the decl. arc, and determine a meridian with the solar at the old stand. $\frac{1}{4}$ sec. cor. on S. bdry of sec. 36, above described, thence I run,

40.27 East, or random line, on S. bdry. of sec. 36, on E $\frac{1}{2}$ mile, Fall 161 lks. N. of the standard cor. of Tps. 13 N., Rs. 1 and 2 E., which is a white quartz stone, 12x8x7 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. True course & dist. of line back to the old standard $\frac{1}{4}$ sec. cor. on S. bdy of sec. 36 is therefore, N $87^{\circ}43'W$, 40.27 chs.

Note: At a point 10 chs. west of the standard cor. of Tps. 13 N., Rs. 1 and 2 E. I set off 6925'S. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of $34^{\circ}27\frac{1}{2}'N$. on the lat. arc.

March 4, 1913.

I find from my retracement of the 3 rd. Stand. Parallel North through R 1 E., that the line is out of limits in alignment, position, and measurement, and that the majority of the cors. are either lost or obliterated, and, as T13N., R1E. has not been subdivided, and no surveys approved, closing on the parallel in the Tp. to the south., I resurvey the 3 rd. Stand. Parallel North, through R1E., West, from the Stand. cor. of Tps. 13 N., Rs. 1 and 2 E., setting new standard $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs. destroying all of the old cors. found on the old line, and close the subdivision lines in the north tier of secs. in T 12 N., R 1 E. on the newly surveyed line as follows;

March 7, 1913. At 8^h 41^m a.m., l.m.t. I set off $34^{\circ}27\frac{1}{2}'N$. on the lat. arc, $5^{\circ}18\frac{1}{2}'S$. on the decl. arc, and determine a meridian with the solar at the Stand. cor. of Tps. 13 N., Rs. 1 and 2 E., above described. Thence I run,

West, on S. bdry sec. 36, on true line, Descend NW. slope of spur, over stony mountainous land, through oak brush undergrowth 3 to 4 ft. high.

- 3.00 Dry ravine, 10 lks. wide 40 ft. below cor. course SW. asc. spur.
- 14.40 Top of spur, 100 ft. above ravine bears NW. and SE. desc.
- 24.15 Dry ravine, 12 lks. wide course S., thence SE. asc.
- 28.50 Top of spur, bears N. and S. desc. abruptly.
- 34.00 Dry ravine, 5 lks. wide course south. asc.
- 37.76 Top of spur, bears N. and S. desc.
- Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point
- By 1 st. set 40.04 chs.
- By 2 nd. set 39.96 chs.; the mean of which is
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 36 in N. half.; Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor., pits impracticable.
- 40.27 The old standard $\frac{1}{4}$ sec. cor. bears N., 161 lks. dist. I destroy all evidence of this old cor.
- 49.35 Dry sand wash 200 lks. wide course south., cross road from upper to lower Agua Fria Valleys, bears N. and S.
- 50.50 Begin steep ascent over E. slope of spur.
- 63.30 Top of rocky spur, bears NE. and SW. desc. abruptly.
- 70.00 Dry ravine, 20 lks. wide course S. $20^{\circ}W$. ascend abruptly.
- 78.00 Top of spur, bears N. and S., descend over steep W. slope.

Resurvey of the 3 rd. Standard Parallel North through R 1 E.

Chains.

- 78.42 Intersect the closing cor. of secs. 1 and 2, T 12 N, R. 1 E. set by F.W. Rodolf, U.S. Surveyor, ^{under Group II,} which is an iron post, 2 ins. in diam., 12 ins. above ground, marked on brass cap, CC.S of center, T 13 N., R 1 E., S 35, S 36 in N. half. S 1 in SE. and S 2 in SW. quadrant., with a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
- 79.78 Fall 3 lks. S. of porphyry stone 16x12x8 ins. ^{above ground} recently set, marked SC. on N. face, with 5 notches on W. and 1 notch on E. edges, with a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. I destroy this cor.
Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks.; position of middle point
By 1 st. set 80.05 chs.
By 2 nd. set 79.95 chs.; the mean of which is
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for ^{RE-ESTAB.} standard cor. of secs. 35 and 36., marked on brass cap ^{12/3} T 13 N. R 1 E. in N. half, S 35 in NW. and S 36 in NE. quadrant.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.
Land high broken mountain spurs; spurs with poor stony soil on underlying rock ledges, light growth bunch grass, considerable oak brush. No timber.
- Note: At this cor. I set off $5^{\circ}16'3''$ on the decl. arc, and at noon observe the sun on the meridian, and obtain a reading of $34^{\circ}27\frac{1}{2}'$ N. on the lat. arc.

-
- West, on S. bdry. of sec. 35, on true line,
Descend abrupt rocky SW: slope over mountainous land, through oak brush undergrowth 4 ft. high.
- 4.10 Dry ravine, 6 lks. wide course south ascend abruptly.
- 20.56 Top of spur bears N. and S. desc.
- 26.50 Dry ravine 15 lks. wide course south asc.
- 34.25 Top of rocky spur bears N. and S. descend abrupt W. slope into canyon.
Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lks.; position of middle point
By 1 st. set 40.05 chs.
By 2 nd. set 39.95 chs.; the mean of which is
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ^{RE-ESTAB.} standard $\frac{1}{4}$ sec. cor., marked on brass cap ^{12/3} $\frac{1}{4}$ S 35 in N. half.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
Pits impracticable.
- 42.90 Foot of descent in canyon 250 ft. below top of spur, intersect left bank of the Agua Fria River bears N. thence NW. and south., thence over sandy river bed.
- 43.15 Cross stream pure water 20 lks. wide flows south.
- 44.05 Road in bed of river bears N. and S., leads to the town of Humboldt Arizona.
- 44.70 Intersect right bank of river 5 ft. high bears NW. and SE., ascend abrupt NE. slope of spur over mountainous land through dense oak brush.
Difference between measurements of 80.00 chs. by two sets of chainmen is 14 lks.; position of middle point
By 1 st. set 80.07 chs.
By 2 nd. set 79.93 chs. the mean of which is
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for ^{RE-ESTAB.} standard cor. of secs. 34 and 35., marked on brass cap ^{12/3} T 13 N., R 1 E. in N. half., S 34 in NW. and S 35 in NE. quadrant.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
Pits impracticable.
Land rough mountains; spurs steep, washed on slopes soil rocky with some light poor sandy loam, light growth bunch grass, No timber.
After diligent search no closing section cor. of secs. 2 and 3, T. 12 N., R. 1 E. can be found.

March 7, 1913.

Resurvey of the 3 rd. Stand. Parallel N. through R 1 E.

- Chains. March 8th At 8^h 11^m a.m., l.m.t., I set off 34°27' N. on the lat. arc, 4°55' S. on the decl. arc, and determine a meridian with the solar at the ^{reestablish} standard cor. of secs. 34 and 35, above described. Thence I run West, on S. bdry. of sec. 34, on true line, Ascend steep rocky E. slope of spur over mountainous land
- .20 Top of spur bears NW. and SE. desc.
- 3.75 Dry ravine 50 ft. below top of spur course south. asc.
- 9.25 Top of ridge bears N. and S. desc.
- 25.50 Dry ravine 10 lks. wide 125 ft. below top of spur course NE. ascend abruptly.
- Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point
By 1 st. set 39.97 chs.
By 2 nd. set 40.03 chs.; the mean of which is
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ^{REESTAB.} standard $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S. 34. in N. half.
- Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. ^{Pits impracticable.}
- ~~52.36~~ 47.00 Top of high mountain ridge 900 ft. above the Agua Fria River bears NW. and SE. descend along SW. slope.
- 52.36 Fall 112 lks. S. of the old stand. $\frac{1}{4}$ sec. cor. I destroy this cor.
- 56.00 Dry ravine 6 lks. wide course SW. asc.
- 65.50 Top of ridge bears NE. and SW. desc.
- 70.00 Dry ravine 10 lks. wide course north asc.
- 78.72 Fall 8 lks. S. of the closing cor. of secs. 3 and 4, T 12 N., R 1 E. set by F.W. Rodolf, U.S. Surveyor, ^{under growth} which is an iron post, 2 ins. in diam., 14 ins. above ground, loosely set, marked CC. S. of center, T 13 N., R 1 E. S 33 S 34 in N. half, S 3 in SE. and S 4 in SW. quadrant, with a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high S. of cor. I destroy this cor.
- Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point
By 1 st. set 80.03 chs.
By 2 nd. set 79.97 chs.; the mean of which is
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for ^{REESTAB.} standard cor. of secs. 33 and 34., marked on brass cap ^{1913,} T 13 N., R 1 E. in N. half, S 33 in NW. and S 34 in NE. quadrant.
- Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. ^{Pits impracticable.}
- Land high mountain spurs and ridges, soil on spurs loose decomposed granite mixed with sandy loam, slopes of spurs steep covered with loose rock and dense oak brush undergrowth. No timber.
-
- West, on S. bdry. of sec. 33, on true line,
Descend steep W. slope, over stony mountainous land, through dense oak brush undergrowth, 4 ft. high.
- ..36 Fall 8 lks. S. of slate stone, 12x12x8 ins. ^{above ground} marked SC on N. face, with 3 grooves on E. and W. edges, with a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. This cor. is of recent construction. I destroy all evidence of this cor.
- 1.75 Dry ravine 20 ft. below cor. course NE. asc.
- 10.50 Top of spur 150 ft. above ravine, bears NE. and SW. desc. abruptly.
- 18.00 Dry ravine course north. asc.
- 23.00 Top of spur bears NE. and SW. desc.
- 27.50 Dry ravine 15 lks. wide course north ascend steep E. slope.
- 35.00 Summit of mountain bears NW. and SE. desc. abruptly over SW. slope.
- Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lks.; position of middle point
By 1 st. set, 40.05 chs.
By 2 nd. set 39.95 chs.; the mean of which is
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ^{REESTAB.} standard $\frac{1}{4}$ sec. cor., marked on brass cap ^{1913,} $\frac{1}{4}$ S 33

Resurvey of the 3. rd. Standard Parallel North, through R 1 E.

- Chains, in N. half.; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor., Pits impracticable.
- 55.17 Electric power line from Transformer station to Humboldt Arizona, bears N $18\frac{1}{2}^{\circ}$ E. and S $18\frac{1}{2}^{\circ}$ W.
- 56.85 Telephone line bears N $18\frac{1}{2}^{\circ}$ E. and S $18\frac{1}{2}^{\circ}$ W., from Mayer to Humboldt Arizona.
- 72.90 Electric power line from Transformer station to Huron Ariz. bears N 20° E. and S 20° W.
- 78.88 Fall 34 lks. S. of the closing cor. of secs. 4 and 5, set by F. W. Rodolf, U. S. Surveyor, ^{under Group II} which is an iron post 2 ins. in diam. 18 ins. above ground, loosely set, marked on brass cap CC. n. of center T13N. R1E. S32. S33 in N. half T12N. in S. half. S4 in SE. and S 5 in SW. quadrant., with a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. I destroy this cor. Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks.; position of middle point
By 1 st. set 80.06 chs.
By 2 nd. set 79.94 chs.; the mean of which is
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam. 24 ins. in the ground, for ^{REESTAB} standard cor. of secs. 32 and 33., marked on brass cap T13N., R1E. in N. half, S32 in NW. and S 33 in NE. quadrant. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable. This cor. is situated on top of spur, bears N. and S.
Land mountainous.; spurs with loose shale and decomposing granite soil, slopes steep covered with loose rock and dense growth of oak brush, light growth bunch grass.
No timber.
-
- West, on S. bdry sec. 32, on true line,
Descend W. slope of spur, over stony mountainous land, through dense oak brush undergrowth, 4 ft. high,
- .81 Fall 36 lks. S. of a slate stone 18x10x9 ins. ^{above ground} loosely set, marked SC. on N. face, with 4 grooves on E. and 2 grooves on W. faces., with a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. This cor. bears evidence of recent construction. I destroy all evidence of this cor.
- 13.15 Foot of abrupt descent, cross dry ravine course N 30° E. asc.
- 14.50 Road from Mayer to Huron Arizona, bears N. and S.
- 15.20 Telephone line from Mayer to Prescott Ariz. bears N, and S.
- 21.75 Road from Mayer to Huron Arizona bears N. and S.
- 22.53 Western Union Telegraph line bears N. and S.
- 23.15 Center of P&E. RR. track bears N. and S.
- 28.20 Point of spur bears NW. and SE. desc.
- 36.30 Dry ravine 8 lks. wide course SE. ascend NE. slope covered with granite boulders.
- 38.95 Electric power line from Transformer station to M^c Cabe Arizona bears N 46° W. and S 46° E.
- 39.70 Telephone line from Transformer station to M^c Cabe Arizona bears N 46° W. and S 46° E.
Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point
By 1 st. set 39.96 chs.
By 2 nd. set 40.04 chs.; the mean of which is
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ^{REESTAB} standard $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S. 32 in N. half.; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- 60.65 Top of ridge bears NW. and SE. descend steep W. slope.
- 69.00 Electric power and light line from Fossil Creek to Prescott Arizona bears N $75\frac{1}{4}^{\circ}$ W. and S $75\frac{1}{4}^{\circ}$ E.
- 74.00 Foot of steep descent, leave mountainous land bears NW. and SE., Enter rolling land.
- 78.72 Fall 24 lks. S. of the closing cor. of secs. 5 and 6, T12N. R1E. set by F. W. Rodolf, U. S. Surveyor, ^{under Group II} which is an iron post, 2 ins. in diam. 12 ins. above ground, firmly set, marked on brass cap CC. N. of center. T13N. R1E. S31. S32 in N. half and T12N. in S. half. S5 in SE. and S6 in SW. quadrant with a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor. I destroy all evidence of this cor.

Resurvey of the 3. rd. Standard Parallel North, through R 1 E.

Chains. Difference between measurements of 80.00 chs. by two sets of chainmen is 16 lks.; position of middle point
 By 1 st. set 80.08 chs.
 By 2 nd. set 79.92 chs.; the mean of which is
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for ^{REESTAB.} standard cor. of secs. 31 and 32, marked on brass cap ¹⁹¹³ T13N., R1E. in N. half, S32 in NE. and S31 in NW. quadrant. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
 Land rolling and mountainous.; soil loose shale and decomposing granite, poor growth bunch grass. No timber.
 Note: At this cor. I set off 4°52'S. on the decl. arc, and at noon observe the sun on the meridian, and obtain a reading of 34°27 1/2' N. on the lat. arc.

 West, on S. bdry. sec. 31, on true line,
 Over rolling stony and gravelly land, through scattering oak and catclaw brush undergrowth.
 .92 Fall 25. lks. S. of a granite stone 8x7x6 ins. above ground, firmly set, marked SC. on N. face, with 5 grooves on E. and 1 groove on W. faces, with a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
 This cor. appears to be of recent construction. I destroy all evidence of this cor.
 3.65 Telephone line bears N 66 1/4° W. and S 66 1/4° E.
 4.65 Western Union Telegraph line bears N 66 1/4° W. and S 66 1/4° E.
 6.13 Center of Poland branch of the P&E. RR. bears N 66 1/4° W. and S 66 1/4° E.
 38.00 Enter dense oak brush undergrowth 4 to 6 ft. high.
 39.90 Dry ravine 8 lks. wide course SE. asc.
 Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point
 By 1 st. set 39.98 chs.
 By 2 nd. set 40.02 chs.; the mean of which is
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ^{REESTAB.} standard 1/4 sec. cor., marked on brass cap ¹⁹¹³ T 31 in N. half.; Raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.; Pits impracticable.
 March 8, 1913.

 June 21, ¹⁹¹³ At 2^h 01^m p.m., l.m.t. I set off 34°27 1/2' N. on the lat. arc, 23°29' E. on the decl. arc, and determine a meridian with the solar at the standard 1/4 sec. cor. on S. bdry. of sec. 31, which I established March 8, ^{above described} 1913. ^{measuring from sec. cor.} continue measurements on true line, ^{measuring from sec. cor.} western S. bdry. of sec. 31, on W 1/2 mile.
 Difference between measurements of 93.76 chs. by two sets of chainmen is 14 lks.; position of middle point
 By 1 st. set 93.69 chs.
 By 2 nd. set 93.83 chs.; the mean of which is
 93.76 Intersect the Gila and Salt River Meridian 420 lks. S. of the closing cor. of Tps. 12 and 12 1/2 N., Rs. 1 E. and 1 W., which I reestablished June 20, 1913, as described in Book "B"
 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for standard closing cor. of Tps. 12 1/2 N., R. 1 E., marked on brass cap ¹⁹¹³ CC. E. of center, T12 1/2 N. R1W. S24 in W. half, T13N. R1E. S31 in NE. and T12N. R1E. in SE. quadrant. Raise a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable
 I change the markings on the meridian closing cor. to read as follows: CC. S. of center, T13N., R1E. S31 in N. half, and T12 1/2 N. R1W. S24 in SW. quadrant.
 June 21, 1913

 General Description.
 Through Ranges 1 E., and 1 W. this line runs across low mountain ridges, covered for the most part with dense

Resurvey of the 3rd. Standard Parallel North through R 1 E.

oak and manzanita brush.
The land both north and south of the line is of a rough hilly character, poorly watered and poorly timbered. with the exception of small tracts of land in the narrow valley along the Big Bug creek in the township to the township to the south, these townships are valueless for agricultural purposes.

Sidney E. Blout
U.S. Surveyor.

12
BOOK 10
2629

For FINAL OATH OF UNITED STATES SURVEYOR.
SEE BOOK "O" Group 20

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191 _____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ Meridian, in the State of _____, 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 _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191 _____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, July 27 _____, 191 4

The foregoing field notes of the ~~survey of~~ Resurvey of the
3rd Standard Parallel North thru
Range No. 1 East and Portion of Range No. 1 West
of the Gila and Salt River Meridian, Arizona

executed by Sidney E. Blout, U.S. Surveyor
under his special instructions dated October 9, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys they describe, are hereby approved.

Frank S. Ingalls
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.

U. S. Surveyor General.