

BOOK "B"

BOOK 2643

FIELD NOTES

OF THE SURVEY OF THE

West & North bdrs. and part of East bdy.
and RETRACEMENT & RESURVEY OF
parts of East and South bdrs. of
Township 8 South, Range 19 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 May 27, 1912,
issued by the United States Surveyor General to govern surveys included in
Group No. 19, which were approved by the Commissioner of the General Land
Office, June 20, 1912, pursuant to authority contained in the Act of
Congress dated August 23, 1912.

Survey, Retracement & Resurvey commenced November 16, 1912

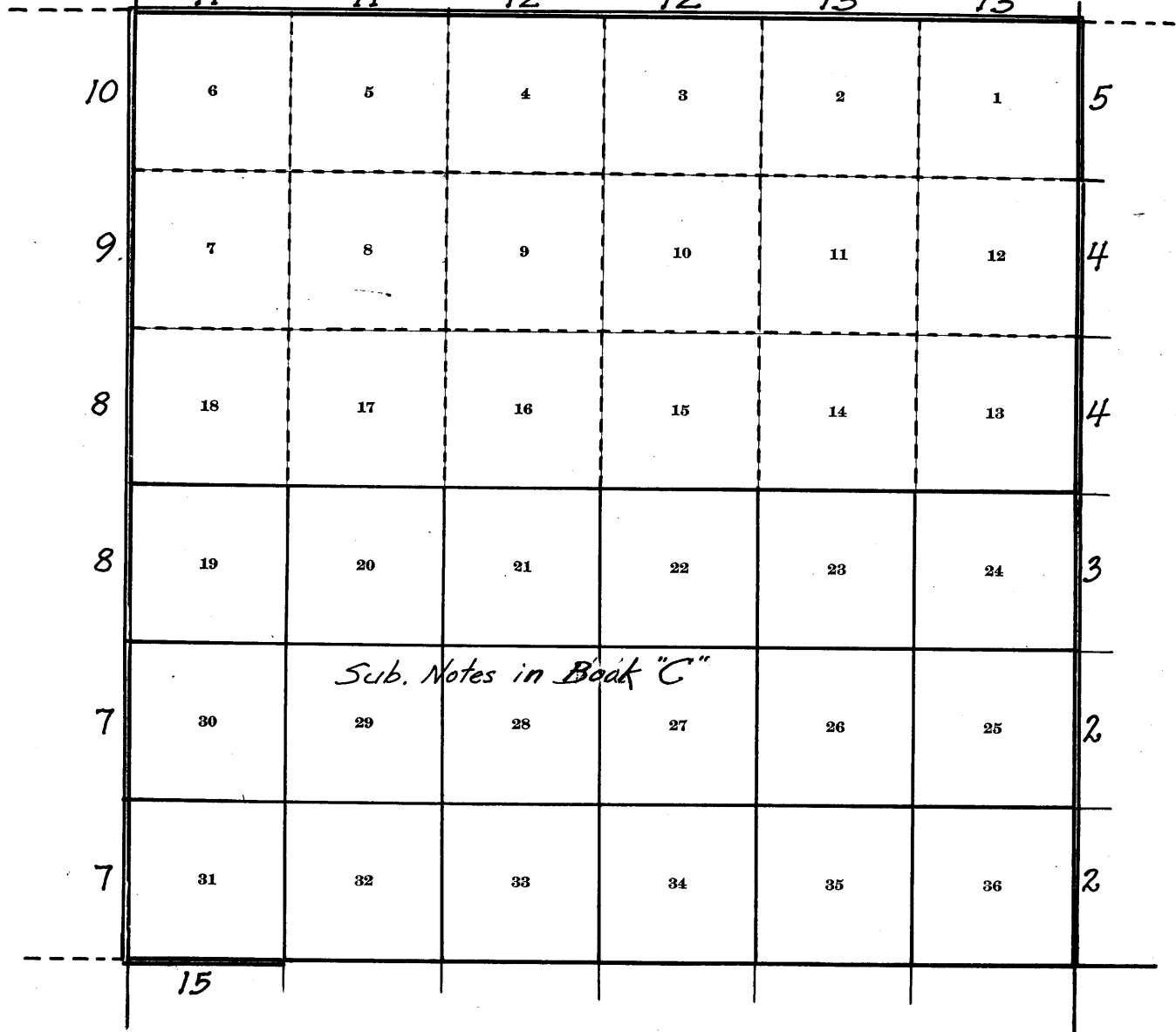
Survey, Retracement & Resurvey completed December 9, 1912

1A

BOOK 2643

BOOK "B" Group 19 INDEX DIAGRAM.

Township 8 South Range 19 West
11 11 12 12 13 13



6-151

- Survey this Group
- Retraced " "
- Resurveyed " "
- - - - - Unserved
- Previous accepted surveys.

Survey, Retracement and Resurvey of the E. bdry. of T. 8 S., R. 19 W.
Chains

retracement & resurvey
Survey commenced November 16, 1912, and executed with a Young & 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 correct the level and collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations, made during a.m., and p.m. hours with a meridian determined by observations on Polaris I proceed as follows;

At the corner of Tps. 8 and 9 S., Rs. 18 and 19 W., which is an iron post 3 ins. in diam. 12 ins. above ground, firmly set, marked ^{on brass cap} and witnessed as described by the Surveyor General. latitude 32°40'50"N., longitude 114°09'28"W. At 5^h 42^m p.m. by my watch, which is correct local mean time I observe Polaris in accordance with the Manual of Instructions and mark a point in the line thus determined by a tack driven in a stake set firmly in the ground 5 chs. N. of the cor.

Time of U.C. of Polaris Nov. 16 for the meridian of Greenwich civil date and mean time 9^h 46.3^m p.m.
Correction for 114°W. long. subtract 1.2^m

U.C. Polaris Nov. 16 at place of obs. 9^h 45.1^m p.m.
Polaris east of the meridian subtract 5^h 42^m
time of observation 4 03.1
Hour angle of Polaris at observation. 4 03.1
Azimuth of Polaris at observation 1°13'E.

November 16, 1912.

November 17, 1912. At 8^h 00^m a.m., l.m.t. lay off the azimuth of Polaris 1°13' to the west and mark the meridian thus determined by a tack driven in a stake set in the ground 5 chs. N. of the cor.

At 8^h 15^m a.m., l.m.t., I set off 32°41'N. on the lat. arc, 18°58'S. on the decl. arc and determine a meridian with the solar and mark a point thereof by a tack driven in the stake already set 5 chs. N. of the cor. This point falls 0.3 ins. east of the meridian determined by the Polaris observation.

At 2^h 45^m p.m., l.m.t. I set off 32°41'N. on the lat. arc, 19°03½'S. on the decl. arc and determine a meridian with the solar, and mark a point thereof by a tack driven in the stake already set 5 chs. N. of the cor. This point falls 0.2 ins. west of the meridian established by the Polaris observation.

The solar apparatus by a.m., and p.m. observations defines positions for meridians respectively about 0'10" east, and 0'16" west of the meridian determined by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8^h 30^m a.m. l.m.t. is N 13°54'W.; the angle thus determined gives the mag. decl. 13°54'E.

November 17, 1912.

November 18, 1912. At 8^h 00^m a.m., l.m.t. I set off 32°41'N. on the lat. arc, 19°11½'S. on the decl. arc and determine a meridian with the solar at the above described cor.

Thence I run North, on a random line, bet. secs. 31 and 36; at 40.00 chs. I make a diligent search for the ^{2d} ¼ sec. cor. which I fail to

Survey, Retracement and Resurvey of the E. bdry. of T. 8 S., R. 19 W.
Chains

- find; therefore I continue ^{random} my line north and at 79.98 chs. fall 68 lks. E. of the ^{old} cor. of secs. 25, 30, 31, and 36, which is a post greatly decayed with marks nearly obliterated with no trace of pits and mound of earth described as cor. accessories.
- True course & dist. of this mile is therefore N. 0° 29' W. 79.98 chs. The ^{old} cor. of secs. 25, 30, 31, and 36 being in a state of dilapidation and the $\frac{1}{4}$ sec. cor. completely obliterated I resurvey this line as follows;
- I return to the cor. of Tps. 8 and 9 S., Rs. 18 and 19 W. Thence I run
- N 0° 29' W., on a true line, bet. secs. 31 and 36.
Over level sandy bottom land in lane.
- 1.80 Frank Leidendeker's wind mill bears west 100 lks. dist.
1.90 " " " " water tank " " 120 " "
2.10 " " " " house bears west 190 lks. dist.
- 39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ^{reestab} $\frac{1}{4}$ sec. cor. marked on brass cap ¹⁹¹² $\frac{1}{4}$ S 36 in W. half and S 31 in E. half. Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor.
- From this cor. A frame house bears N 78 $\frac{1}{2}$ ° W. 7.00 chs. dist.
A wind mill bears N 63° W. 5.00 chs. dist.
- 44.30 Enter scattering mesquite timber and dense arrow weed and water moat undergrowth from 6 to 8 ft. high bears E. and W.
- 79.98 Intersect the old cor. of secs. 25, 30, 31, and 36. This cor. being in a state of dilapidation I destroy all evidence of the original cor. and re-establish it in its original position as follows;
- Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31, and 36. marked on brass cap ¹⁹¹² T 8 S in N. half, R 19 W. S. 25 in NW., R 18 W. S. 30 in NE. S 31 in SE. and S 36 in SW. quadrant. from which
- A mesquite 12 ins. in diam. bears S 84 $\frac{1}{2}$ ° E. 150 lks. dist. mk'd T 8 S., R 18 W. S 31 BT.
- A mesquite 5 ins. in diam. bears S 50 $\frac{3}{4}$ ° W 76 lks. dist. marked T 8 S., R. 19 W. S 36 BT.
- A mesquite 6 ins. in diam. bears N 48 $\frac{1}{2}$ ° W. 112 lks. dist. marked T 8 S., R. 19 W., S 25 BT. No other trees available.
- Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land level.
Soil sandy loam 1 st. rate.
Timber mesquite.
-
- From the ^{reestab} cor. of secs. 25, 30, 31, and 36, ~~above described~~, I run North, on a random line, bet. secs. 25 and 30. At 40.00 chs. I make a diligent search for the ^{old} $\frac{1}{4}$ sec. cor. which I fail to find; therefore I continue my ^{old} line north. At 68.00 chs. a newly formed river channel has destroyed all evidence of the ^{old} witness cor. to the cor. of secs. 19, 24, 25, and 30. which falls in the Gila River. At 120.27 chs. Fall 18 lks. E. of the point for $\frac{1}{4}$ sec. cor. bet. secs. 19 and 24 which I locate from the bearings and distances to the two old bearing trees described in the original field notes both of which I find. The ^{old} corner monument could not be found after diligent search.
- True course & dist. of link from cor. of secs. 25, 30, 31, and 36, is therefore N. 0° 50' W. 120.27 chs.
- I return to the ^{reestab} cor. of secs. 25, 30, 31, and 36. and resurvey the line bet. this cor. and the point for the $\frac{1}{4}$ sec. cor. bet. secs. 19 and 24 as follows;
- N 0° 05' W., on a true line, bet. secs. 25 and 30.
Over level sandy river bottom land, through heavy mesquite timber and dense arrow weed undergrowth from 6 to 10 ft. high.
- 19.00 Leave mesquite timber. bears E. and W., enter cottonwood timber bears E. and W.
- 40.09 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground

Survey, Retracement and Resurvey of the E. bdry. of T. 8 S., R. 19 W.

Chains

- for ^{reestab.} $\frac{1}{4}$ sec. cor. marked on brass cap ¹⁹¹² $\frac{1}{4}$ S. 25 on W. half, and S. 30 in E. half. from which
 - A cottonwood 7 ins. in diam. bears S $48\frac{1}{2}^{\circ}$ W. 231 lks. dist. marked $\frac{1}{4}$ S. 25 BT.
 - A willow 6 ins. in diam. bears S $75\frac{1}{4}^{\circ}$ E. 115 lks. dist. marked $\frac{1}{4}$ S. 30 BT.
 - 67.75 Intersect left bank of the Gila River 4 ft. high bears N 60° E. and S 60° W. leave cottonwood timber and undergrowth bears NE. and SW. thence over river flood plane.
 - 76.75 Leave flood plane over sandy river bed (dry).
 - 80.18 The point for the cor. of secs. 19, 24, 25, and 30 falls in the dry bed of the Gila River where natural causes would insure the destruction of the cor.; therefore at.
 - 67.25 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for ^{reestab.} witness cor. to the cor. of secs. 19, 24, 25, and 30., marked on brass cap ¹⁹¹² WC. S of center T 8 S. in N. half R 19 W. S 24 in NW. R. 18 W. S 19 in NE, S 30 in SE. and S 25 in SW. quadrant. from which
 - A cottonwood 7 ins. in diam. bears N $30\frac{1}{4}^{\circ}$ E. 142 lks. dist. marked ^{WC} T 8 S., R 18 W. S 19 BT.
 - A cottonwood 7 ins. in diam. bears S $2\frac{3}{4}^{\circ}$ E. 248 lks. dist. marked ^{WC} T 8 S., R 18 W. S 30 BT.
 - A cottonwood 9 ins. in diam. bears S $20\frac{1}{4}^{\circ}$ W. 185 lks. dist. marked ^{WC} T 8 S., R 19 W. S 25 BT. and
 - A cottonwood 10 ins. in diam. bears N $79\frac{1}{4}^{\circ}$ W. 155 lks. dist. marked WC. T 8 S., R 19 W. S 24 BT.
- Land level.
Soil sandy 1 st. and 2 nd. rate.
Timber cottonwood and mesquite.

From ^{true} point for cor. of secs. 19, 24, 25, and 30.

I run

N $0^{\circ}05'$ W. on true line, bet. secs. 19 and 24.

Over dry sandy river bed.

- 10.30 Intersect right bank of Gila River 7 ft. high bears E. and W. enter rolling gravelly land and greasewood and arrow weed undergrowth 6 ft. high. bears E. and W.
 - 15.50 Road from Phoenix to Yuma Arizona, bears N 60° E. and S 60° W
 - 30.00 Enter scattering ironwood and palo verde timber bears N 70° E and S 70° W.
 - 32.80 Dry rocky sand wash 30 lks. wide course S 70° E. ascend gradually.
 - 40.09 Intersect the point for $\frac{1}{4}$ sec. cor. here I again make a very careful search for the old corner monument and being unable to find it I re-establish the cor. as follows;
Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹¹² $\frac{1}{4}$ S 24 in W. half and S 19 in E. half. from which
 - An ironwood 10 ins. in diam. bears N $74\frac{1}{2}^{\circ}$ W. 146 lks. dist, marked $\frac{1}{4}$ S 24 BT.
 - An ironwood 8 ins. in diam. bears S $67\frac{3}{4}^{\circ}$ E. 192 lks. dist. marked $\frac{1}{4}$ S. 19 BT.
- I ~~delete~~ the markings on each of the old bearing trees at this cor. both of which are dead.
Note: At this cor I set off 19°16'S on the decl. arc and at noon observe the sun on the meridian the resulting latitude being 32° ~~43'~~ 43' N.

From the ^{reestab.} $\frac{1}{4}$ sec. cor., above described

North, bet. secs. 19 and 24, on random line,

- .75 Leave rolling sandy and gravelly land bears NW. and SE. ascend SW. slope over stony hilly land.
- 6.65 Top of steep asc. leave hilly land and timber enter rolling mesa land.
- 24.20 Dry ravine 200 lks. wide 30 ft. deep course SE.
- 29.00 Dry ravine 250 lks. wide 20 ft. deep course SE. ascend ridge.
- 36.85 Top of ridge bears NW. and SE. desc.
- 38.10 Dry ravine course SE. thence along E. side of ravine.
- 39.92 Fall 14 lks. E. of the ^{cor.} cor. of secs. 13, 18, 19, and 24 which is

Survey, Retracement and Resurvey of the E. bdry. of T. 8 S., R. 19 W.

Chains a granite stone 10x12x15 ins. above ground, loosely set, marked with 3 notches on N and S. edges. No cor accessories. This cor being in a state of dilapidation I destroy the old cor and re-establish it in the same place as follows Set the same stone 10 ins. in the ground for cor of secs. 13, 18, 19, and 24. and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
 True course & dist. of this 1/2 mile is therefore N. 0° 12' W. 139.92 chs.
 Land level rolling and hilly.
 Soil sandy gravelly and stony 2 nd. and 3 rd. rate.
 Timber mesquite and ironwood.

North, bet. secs. 13 and 18, on random line,
 Ascend over SW. slope over stony hilly land.
 12.00 Top of stony ridge bears NW. and SE. descend into rocky ravine.
 18.70 Bottom of ravine 20 lks. wide course SE. asc.
 22.25 Top of ridge bears NW. and SE. desc.
 27.50 Dry ravine 10 lks. wide course SE. asc.
 33.25 Top of ascent on point of spur, bears NW. and SE. desc.
 37.50 Dry ravine course SE. asc.
 40.01 Fall 18 lks. W. of the old 1/4 sec. cor. which is a palo verde post marked and witnessed as described by the Surveyor General.

True course & dist. of this mile is therefore N. 0° 15' E. 40.01 chs., and S. 0° 15' W.

I begin at the 1/4 sec. cor. and run North on random line
 3.75 Top of ridge bears NW. and SE. desc.
 5.75 Dry ravine 10 lks. wide course SE. asc.
 8.25 Top of spur bears NW. and SE. desc.
 10.60 Dry ravine course SE. asc.
 13.25 Top of ridge bears NW. and SE. desc.
 21.00 Dry ravine 20 lks. wide course SE. asc.
 23.00 Top of ridge bears NW. and SE. desc.
 25.00 Dry ravine 10 lks. wide course SE. asc.
 33.25 Top of ridge bears NW. and SE. desc.
 39.53 Fall 18 lks. E. of the old witness cor to cor of secs. 7, 12, 13, and 18., which is a malpais stone 12x10x7 ins. above ground firmly set, marked and witnessed as described by the Surveyor General.
 40.03 True point for cor of secs. 7, 12, 13 and 18, in wash, course SE, brs. E. 18 lks. dist. General.
 True course & dist. of this 1/2 mile is therefore N. 0° 15' W. 40.03 chs.
 Land hilly.
 Soil stony 2nd. and 3rd. rate.
 No timber.

November 18, 1912.

November 19th At 7^h 45^m a.m.; 1.m.t. I set off 32° 44' N. on the lat. arc 19° 26' S. on the decl. arc and determine a meridian with the solar WC to cor. of secs. 7, 12, 13, and 18 above described.

From true point for cor. of secs. 7, 12, 13 and 18, in wash, I run,
 North, bet. secs. 7, and 12, on random line,
 Ascend SW. slope over stony hilly land, through scattering paloverde and mesquite timber and greasewood brush under growth 4 ft. high.
 15.00 Top of ridge bears NW. and SE. desc.
 19.90 Dry ravine course SE. thence in ravine.
 21.50 Leave ravine, ascend SW. slope.
 27.55 Top of ridge bears NW. and SE. desc.
 36.45 Dry ravine 15 lks. wide course SE. asc.
 39.95 Top of ridge bears NW. and SE. desc.
~~40.48 Fall 21 lks. E. of the old witness cor to cor of secs. 7, 12, 13, and 18, which is a malpais stone 12x9x8 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.~~
 40.48 Fall 21 lks. E. of the old 1/4 sec. cor., which is a malpais stone 12x9x8 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.
 True course & dist. of this 1/2 mile is therefore N. 0° 18' W. 40.48 chs.
 I begin at the 1/4 sec. cor. above described & run North on random line,
 4.00 Dry ravine course SE. asc.
 9.25 Top of ridge bears NW and SE. desc.

Survey Retracement and Resurvey of the E. bdrv. of T. 8 S., R. 19 W.

Chains

14.85 Dry ravine 6 lks. wide course SE. asc.
 19.80 Top of ridge bears NW. and SE. desc.
 28.50 Dry ravine course S 10° E. asc. in ravine.
 31.45 Leave ravine ascend SW. slope of ridge.
 38.20 Dry ravine 20 lks. wide course SE. asc.
 40.00 Fall 21 lks. W. of the ^{old} cor. of secs. 1, 6, 7, and 12. which is a granite stone 12x10x6 ins. loosely set; with marks nearly obliterated. No cor. accessories.
 This cor. being in a state of dilapidation, I destroy all evidence of the original 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 cor. of secs. 1, 6, 7, and 12. marked on brass cap, 1912; T 8 S. in N. half, R 19 W. S 1 in NW., R 18 W., S 6 in NE. S 7 in SE. and S 12 in SW. quadrant.
 Raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
 Pits impracticable.
 No trees suitable for bearing trees within limits.
 True course & dist. of this 1/2 mile is therefore N. 0° 18' E. 40.00 chs.
 This cor. is situated at top of ascent from ravine at south edge of malapais flat.
 Land broken and hilly.
 Soil stony 3rd. rate.
 Timber scattering palo verde and mesquite.

From above described reestab. cor. of secs. 1, 6, 7 and 12, I run North, bet. secs. 1 and 6, completing survey of E. bdrv. of T. 8 S., R. 19 W. Over rolling stony malapais flat through scattering palo verde and mesquite timber and greasewood brush undergrowth 3 ft. high.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap ¹⁹¹² S 1 in W. half and S 6 in E. half. from which
 An ironwood 10 ins. in diam. bears N 6° W 35 lks. dist. marked 1/4 S 1 BT.
 An ironwood 6 ins. in diam. bears S 23 3/4° E. 65 lks. dist. marked 1/4 S 6 BT.

53.00 Enter dry ravine course SE.
 55.80 Leave ravine, ascend stony bluff 25 ft. high.
 58.60 Top of bluff 25 ft. above ravine bears NW. and SE. desc.
 60.00 Dry ravine course SE. asc.
 62.25 Top of ridge bears NW. and SE. desc.
 67.20 Dry ravine 100 lks. wide course SE. asc. gradually over SW. slope.

69.00 Begin abrupt ascent.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 7 and 8 S., Rs. 18 and 19 W., marked on brass cap ¹⁹¹² T 7 S. in N., R 18 W. in E., T 8 S. in S., and R 19 W. in W. half. S 36 in NW., S 31 in NE., S 6 in SE., and S 1 in SW. quadrant.
 Raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor.
 Pits impracticable. No trees within limits.
 Land rolling and hilly.
 Soil gravelly and stony 3rd. rate.
 Timber scattering palo verde and mesquite.

November 11, 1912.

Note: At the above Tp. cor. I set off 19° 30' S. on the decl arc and at noon observe the sun on the meridian the resulting latitude being 32° 46' N.

November 19-1912.

~~Survey of the E. bdy. of T 8 S. R. 19 W.~~

~~Chains I begin at the cor. of secs. 1, 6, 7, and 12, which I re-established this da.~~

Survey of the W. bdy. of T. 8 S., R. 19 W.

- Chains. Survey commenced November 23, 1912. and executed with a Young & 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 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 determined by observations on Polaris that the instrument is in satisfactory adjustment.
- I begin at the cor. of Tps. 8 and 9 S. Rs. 19 and 20 W., which is an iron post 3 ins. in diam. 12 ins. above ground, firmly set, marked ^{on brass cap} and witnessed as described by the Surveyor General.; latitude $32^{\circ}40'50''$ N., longitude $114^{\circ}15'40''$ W. m
- At 8^h 15 a.m., l.m.t. I set off $32^{\circ}41'$ N. on the lat. arc, $20^{\circ}42'$ S. on the decl. arc and determine a meridian with the solar at the above described cor.
- Thence I run,
North, bet. secs. 31 and 36.
Over level sandy bottom land, through, scattering mesquite, cottonwood, and willow timber and dense arrow weed and watermoat undergrowth 12 ft. high.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹¹² $\frac{1}{4}$ S 36 in W. half and S 31 in E. half. from which
A black willow 10 ins. in diam. bears S $79\frac{1}{2}^{\circ}$ E: 346 lks. dist. marked $\frac{1}{4}$ S 31 BT. No other trees within limits.
Dig pits 18x18x12 ins. N and S. of post 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 60.00 Leave dense undergrowth bears NW. and SE. enter scattering undergrowth from 4 to 6 ft. high.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31, and 36, marked on brass cap, 1912;
T 8 S. in N. half. R 20 W. S 25 in NW., R 19 W. S 30 in NE., S 31 in SE., and S 36 in SW. quadrant. No trees suitable for bearing trees within the prescribed limits.
Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land level.
Soil sandy 1st. and 2nd. rate.
Timber scattering cottonwood, mesquite, and willow.
- November 23, 1912.
-
- November 25¹⁹¹² At 8^h 0m. a.m., l.m.t. I set off $32^{\circ}41\frac{1}{2}'$ N. on the lat. arc, $20^{\circ}42\frac{1}{2}'$ S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 25, 30, 31, and 36, above described.
- Thence I run,
North, bet. secs. 25 and 30.
Over level sandy bottom land through scattering mesquite timber and arrow weed undergrowth from 4 to 6 ft. high.
- 39.80 Wire fence bears E. and W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap ¹⁹¹² $\frac{1}{4}$ S 25 in W. half and S 30 in E. half.
No trees suitable for bearing trees within limits.
Dig pits 18x18x12 ins. N and S. of post 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor.
- 38.52 Road from Phoenix to Yuma Arizona bears E. and W.
- 79.75 The NE. cor. of wire fence bears W. 03 lks. dist.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25, and 30 marked on brass cap ¹⁹¹² T 8 S. in N. half. R 20 W. S 24 in NW., R 19 W. S 19 in NE., S 30 in SE. and S 25 in SW. quadrant. No trees suitable for bearing trees within limits.
Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Survey of the W. bdry. of T 8 S., R 19 W.

Chains	
	Land level bottom. Soil sandy loam 1 st. rate. Timber scattering mesquite.

	North, bet. secs. 19 and 24. Over level sandy bottom land, through scattering mesquite timber and greasewood brush undergrowth from 3 to 5 ft. high.
3.60	Enter dry bed of old lagoon 4 ft. deep course NW.
8.70	Leave lagoon.
15.00	Old road to Yuma Arizona bears NW. and SE.
20.50	Leave river bottom and scattering timber bears NW. and SE. enter low foot hills. ascend over SW. slope.
23.15	Top of ridge bears NE. and SW. extends 250 lks. W. of line. descend NW. slope.
24.20	Enter dry ravine course SW.
27.90	Leave ravine and ascend SE. slope of ridge.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{192}{1}$ S 24 in W. half and S 19 in E. half. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Note: At this cor I set off $20^{\circ}47'S$. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $32^{\circ}43'N$. on the lat. arc.
41.70	Top of stony ridge bears NE. and SW. desc.
45.20	Dry ravine 30 lks. wide course SW. leave hilly land bears NE. and SW. enter stony mountainous land. Ascend abrupt rocky S. slope.
50.80	Top of rocky spur 100 ft. above ravine bears NE. and SW. descend abruptly over NW. slope.
55.90	Foot of descent in dry ravine 90 lks. wide course SW. asc.
61.45	Top of spur bears NE. and SW. desc.
72.00	Dry ravine 30 lks. wide course SW. asc.
75.80	Top of spur bears NE. and SW. desc. steep NW. slope.
77.60	Top of cliffs 75 ft. high descend abruptly into canyon.
80.00	Set an iron post 3 ft. long, 3 in. in diam. 24 ins. in the ground for cor. of secs. 13, 18, 19, and 24. marked on brass cap $\frac{192}{2}$ T 8 S. in N. half., R 20 W. S 13 in NW., R 19 W., S 18 in NE., S 19 in SE. and S 24 in SW. quadrant. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable. Land level, hilly, and mountainous. Soil sandy and stony 1st, 2nd, and 4 th. rate. Timber mesquite. Mountainous land 34.80 chs.

	North, bet. secs. 13 and 18. Descend NW. slope of spur over mountainous land, cliffs and ledges.
1.45	Dry ravine at foot of descent course SW. ascend abruptly over jagged cliffs and ledges.
4.00	Top of spur bears NE. and SW. desc.
8.50	Dry ravine 30 lks. wide course SE. asc.
10.50	Top of spur bears E. and W. desc.
11.10	Cliff 20 ft. high bears NE. and SW.
20.40	Dry ravine 25 lks. wide course NW. asc.
21.80	Top of spur bears NW. and SE. thence over very broken stony land.
39.30	Dry ravine 30 lks. wide course SW. asc.
39.40	Old mine road bears NE. and SW.
39.50	Point of spur bears E. and W. desc.
40.00	The point for the $\frac{1}{4}$ sec. cor. falls on unsafe ground on NW. slope of spur, therefore I continue my line north
40.60	Dry ravine 50 lks. wide course SW. asc.
43.50	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the

Survey of the W. bdry. of T. 8 S., R. 19 W.

- Chains. ground for witness cor. to the $\frac{1}{4}$ sec. cor. marked on brass cap¹⁹¹² WC $\frac{1}{4}$ in S. half S 13 in NW. and S 18 in NE. quadrant.
 Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
- 45.40 Top of spur bears NE. and SW. desc.
 61.00 Dry ravine 40 lks. wide course SW. asc.
 64.20 The same ravine course SE.
 67.30 The same ravine course SW. ascend spur.
 71.80 Top of spur bears NE. and SW. desc.
 74.70 Dry ravine 15 lks. wide course NW. asc. rocky spur.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13, and 18. marked on brass cap¹⁹¹² T 8 S. in N. half., R 20 W. S 12 in NW., R 19 W. S 7 in NE. S 18 in SE. and S 13 in SW. quadrant.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 Land mountainous.
 Soil stony 3 rd. and 4 th. rate.
 No timber.
- November 25, 1912.
-
- November 26¹⁹¹² At 9^h 00^m a.m., l.m.t. I set off $32^{\circ}44\frac{1}{2}'$ N. on the lat. arc, 20956' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 7, 12, 13, and 18, above described,
 Thence I run,
 North, bet. secs. 7 and 12.
 Ascend SW. slope over stony mountainous land. through scattering greasewood brush undergrowth.
- 1.60 Top of ascent on point of spur bears E. and W. desc.
 3.15 Dry ravine 10 lks. wide course west. asc.
 5.00 Top of spur bears E. and W. desc.
 6.50 Dry ravine 15 lks. wide course west. asc.
 7.40 Top of spur bears E. and W. desc.
 9.30 Dry ravine 30 lks. wide course west.
 17.00 Top of spur bears E. and W. desc.
 19.80 Dry ravine 30 lks. wide course SW. asc.
 23.00 Top of spur bears NE. and SW. desc.
 31.40 Dry ravine 45 lks. wide course SW. ascend over jagged cliffs
 36.50 Top of steep ascent on W. slope of spur ascend gradually
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap¹⁹¹² $\frac{1}{4}$ S. 12 in W. half and S 7 in E. half.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 From this cor. Klotho Peak bears N $76^{\circ}40'$ E. about 60.00 chs. dist.
- 41.00 Top of spur bears NW. and SE. desc. abruptly.
 44.50 Dry ravine course SW. asc.
 47.60 Top of spur bears NE. and SW. desc.
 50.00 Dry ravine 15 lks. wide course SW. asc.
 52.50 Top of spur bears NW. and SE. desc.
 62.00 Dry ravine course SW. asc.
 67.35 Top of spur bears NE. and SW. desc. cliffs.
 72.25 Dry ravine 40 lks. wide at foot of cliffs course SW. asc.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground, for cor. of secs. 1, 6, 7, and 12. marked on brass cap¹⁹¹², T 8 S. in N. half., R 20 W. S 1 in NW., R 19 W. S 6 in NE., S 7 in SE. and S 12 in SW. quadrant.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 Land mountainous.
 Soil stony 4th. rate.
 No timber.
- Note: At this cor. I set off $20^{\circ}58\frac{1}{2}'$ S. on the decl. arc and at noon observe the sun on the meridian the resulting latitude being $32^{\circ}45'$ N.
-

Chains

- North, bet. secs. 1 and 6.
Ascend abrupt rocky SW. slope over mountainous land.
- 16.00 Top of spur bears NW. and SE. thence over broken stony land
- 34.00 The south end of Klothos Temple rock bears west 150 lks. dist.
- 40.00 The point for the $\frac{1}{4}$ sec. cor. falls on a large boulder where it is impossible to establish a post cor.; therefore I cut a cross at the exact cor. point and at
- 40.20 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for witness cor. to the $\frac{1}{4}$ sec. cor. marked on brass cap¹⁹¹² WC $\frac{1}{4}$ in S half. S 1 in NW. and S 6 in NE. quadrant.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
- This cor. is situated on steep SE. slope at the base of Klothos Temple.
- 57.50 Top of spur bears NE. and SW. desc.
- 63.10 Dry ravine 30 lks. wide course NE. asc.
- 69.40 Top of spur bears NE. and SW. desc.
- 71.35 Dry ravine 75 lks. wide course NE. asc.
- 77.50 Top of spur bears NW. and SE. desc.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 7 and 8 S., Rs. 19 and 20 W. marked on brass cap¹⁹¹² T 7 S. in N., R 19 W. in E, T 8 S. in S. and R 20 W. in W. half. S 36 in NW., S 31 in NE., S 6 in SE. and S 1 in SW. quadrant.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
Land mountainous. Pits impracticable.
Soil stony 4 th. rate.
No timber.

November 26, 1912.

North boundary of T.8 S., R.19 W.

Chains.

November 19¹⁹¹² At 12^h 45^m p.m., l.m.t. I set off 32°46' N. on the lat.arc, 19°30¹/₂' S. on the decl.arc and determine a meridian with the solar at the cor. of Tps. 7 and 8 S. Rs. 18 and 19 W. which I established this day as hereinbefore described. Thence I run West on a random line, along the north bdry. of T 8 S., R. 19 W., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs. At the temp. $\frac{1}{4}$ sec. cor. bet. secs. 2 and 35 I discontinue field operations on this day.

November 19, 1912.

November 27¹⁹¹² At 8^h 48^m a.m., l.m.t. I set off 32°46' N on the lat.arc, 21°07' S. on the decl.arc, and determine a meridian with the solar at the temp. $\frac{1}{4}$ sec. cor. bet. secs. 2 and 35. thence I continue my line west and at 475.75 chs. intersect the W. bdry. of Tp. 24 lks. S. of the cor. of Tps. 7 and 8 S., Rs. 19 and 20 W. which I established November 26 1912. The falling answers to a correction of 0°02', or 4 lks. N. per mile counting from the NE. cor. of the Tp.

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

November 27, 1912.

November 29¹⁹¹² At 8^h 18^m a.m., l.m.t. I set off 32°46' N. on the lat.arc, 21°27¹/₂' S. on the decl.arc and determine a meridian with the solar at the cor. of Tps. 7 and 8 S. Rs. 19 and 20 W. hereinbefore described.

Thence I run, S 89°58' E., bet. secs. 6 and 31, marking and blazing true line. Descend steep NE. slope over stony mountainous land.

- 2.50 Dry ravine course SE. asc.
- 4.75 Point of spur bears NW. and SE. desc.
- 11.65 Dry ravine 10 lks. wide course NE. asc.
- 22.80 Top of spur bears NE. and SW. desc.
- 33.25 Dry ravine 10 lks. wide course NE. asc.
- 34.00 Top of spur bears NE. and SW. desc.
- 35.75 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹¹² $\frac{1}{4}$ S 31 in N. half and S 6 in S. half. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
- 41.25 Dry ravine 20 lks. wide course NE. asc.
- 43.00 Top of ascent on N. face of spur desc.
- 46.00 Dry ravine 20 lks. wide course N 20° E asc.
- 52.55 Top of spur bears NE. and S. thence along face of spur.
- 53.00 Begin steep descent over E. slope.
- 64.00 Dry ravine 35 lks. wide course south.
- 74.15 Dry ravine course north. asc.
- 75.75 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 and 32. marked on brass cap ¹⁹¹² T 7 S. in N., T 8 S. in S. and R 19 W. in W. half. S 31 in NW. S 32 in NE., S 5 in SE. and S 6 in SW. quadrant. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable. Land mountainous. Soil stony 3rd. and 4th. rats. No timber.

S 89°58' E., bet. secs. 5 and 32. Over stony mountainous land through scattering greasewood brush undergrowth 3 ft. high.

- 2.10 Dry ravine 50 lks. wide 10 ft. deep course NW.
- 9.00 Dry ravine 80 lks. wide course N 60° W.

North boundary of T. 8 S., R. 19 W.

Chains

- 23.00 Dry ravine 30 lks. wide course south. ascend spur.
 29.10 Top of spur bears N. and S. desc.
 36.40 Dry ravine 25 lks. wide course NE. asc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1912}{4}$ S 32 in N half and S 5 in S. half.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Pits impracticable.
- 42.50 Dry ravine 40 lks. wide course SE. asc.
 55.10 Top of spur bears N75°E. and S 75°W. desc.
 61.70 Dry ravine course south asc.
 73.50 Top of spur bears NE. and SW. desc.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32, and 33. marked on brass cap, 1912; T 7 S. in N., T 8 S. in S. and R 19 W. in W. half. S 32 in NW. S 33 in NE., S 4 in SE. and S 5 in SW. quadrant.
 Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 Land mountainous.
 Soil stony 3rd. and 4th. rate.
 No timber.
-
- S 89°58'E. bet. secs. 4 and 33.
 Descend SE. slope of spur over stony mountainous land, through scattering greasewood brush undergrowth 4 ft. high.
- 2.60 Dry ravine 15 lks. wide course SW. thence over N, slope.
 10.20 Dry ravine 10 lks. wide course NW. asc. spur.
 17.60 Top of spur bears NW. and SE. desc.
 23.00 Dry ravine 10 lks. wide course NW. asc.
 27.75 Top of spur bears NE. and SW. desc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1912}{4}$ S 33 in N, half and S 4 in S. half.
 Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.
 Pits impracticable.
- 61.70 Dry ravine 40 lks. wide course SW. asc.
 65.00 Point of spur bears NE. and SW. desc.
 68.20 Dry ravine 80 lks. wide course SW. asc.
 73.35 Top of spur bears NE. and SW. desc.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33, and 34. marked on brass cap, 1912; T 7 S. in N., T 8 S. in S., and R 19 W. in W. half. S 33 in NW. S 34 in NE., S 3 in SE. and S 4 in SW. quadrant.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 Land mountainous.
 Soil stony 3rd. and 4th. rate.
 No timber.
- Note: At this cor I set off 21°31'S. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 32°46'N. on the lat. arc.
-
- S 89°58'E. bet. secs. 3 and 34
 Descend steep SE. slope of spur over stony mountainous land through scattering greasewood brush undergrowth 4 ft. high.
- 27.80 Dry ravine 10 lks. wide course NE. asc.
 28.70 Point of spur bears NW. and SE. desc.
 31.30 Dry ravine 60 lks. wide course SE. asc.
 38.50 Top of spur bears NW. and SE. desc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1912}{4}$ S 34 in N half and S 3 in S. half.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Pits impracticable.
- 42.60 Dry ravine 70 lks. wide course SW. asc.

North boundary of T. 8 S., R. 19 W.

Chains.

- 45.25 Top of spur bears N. and S. desc.
- 48.60 Dry ravine 40 lks. wide course south. asc.
- 49.50 Top of spur bears N. and S. desc.
- 50.50 Dry ravine 15 lks. wide course SW. asc.
- 54.75 Top of spur bears N. and S. extends 4 chs S. of line. desc.
- 59.00 Dry ravine 20 lks. wide course SE. asc.
- 64.00 Top of spur bears NE. and SW. desc.
- 69.00 Dry ravine 20 lks wide course SW. asc.
- 75.75 Top of high ridge bears NW. and SE. desc.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 26 ins. in the ground for cor. of secs. 2, 3, 34, and 35. marked on brass cap ¹⁹² T 7 S. in N. T 8 S. in S. and R 19 W. in W. half. S 34 in NW. S 35 in NE. S 2 in SE. and S 3 in SW. quadrant. Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land mountainous. Soil stony 4th. rate. No timber.

S 89°58'E, bet. secs. 2 and 35.

Descend steep rocky E. slope over mountainous land.

- 35.40 Dry ravine at foot of dec. 60 lks. wide course SE. thence over stony flat.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap ¹⁹² S 35 in N half and S 2 in S. half. Raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
- 43.00 Leave flat bears N. and S. ascend W. slope of spur.
- 46.00 Top of spur bears N. and S. desc.
- 50.40 Foot of descent in dry ravine 30 lks. wide 15 ft. deep course S 20° E. asc.
- 56.60 Top of spur bears NE. and SW. desc.
- 57.10 Dry ravine course SW. asc.
- 67.50 Top of spur bears NE, and SW. desc.
- 71.85 Dry ravine 10 lks. wide cours SW. asc.
- 76.30 Top of spur bears NW. and SE. desc.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 35, and 36 marked on brass cap ¹⁹² T 7 S. in N., T 8 S. in S., and R 19 W. in W. half. S 35 in NW., S 36 in NE., S 1 in SE. and S 2 in SW. quadrant. Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land mountainous. Soil stony 4 th. rate. No timber.

S 89°58'E, bet. secs. 1 and 36.

Descend abrupt rocky SE. slope of spur over mountainous land through scattering greasewood brush undergrowth

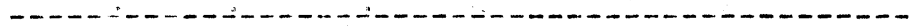
- 5.80 Dry ravine course SW. asc
- 8.30 Top of spur bears N. and S. desc.
- 19.70 Enter dry ravine course SE.
- 25.70 Leave ravine, ascend SW. slope of spur.
- 29.25 Top of spur bears NW. and SE. desc.
- 32.10 Enter dry ravine course SE.
- 32.90 Leave ravine, ascend SW. slope of spur.
- 39.20 Top of spur bears NE. and SW. desc.
- 40.00 Set an iron post 3 ft. long, 1 ins. in diam. 26 ins. in the ground, for 1/4 sec. cor. marked on brass cap ¹⁹² S 36 in N. half, and S 1 in S half. Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
- 46.40 Dry ravine 80 lks. wide course SE. asc.
- 51.55 Top of spur bears NW. and SE. desc.
- 54.20 Dry ravine course SE.
- 54.80 Top of spur bears N. and S. desc.
- 57.25 Dry ravine course SE. asc.

North boundary of T.8 S., R.19 W.

Chains

58.60 Top of spur bears NW. and SE. desc.
 63.20 Dry ravine 50 lks. wide course SE. asc.
 80.00 Intersect the cor. of Tps. 7 and 8 S., Rs. 18 and 19 W., hereinafter described.
 Land mountainous.
 Soil stony 4th. rate.
 No timber.

November 29, 1912.



part of Retracement of the S. bdy. of T. 8 S. R. 19 W.

Chains. In the survey of the subdivision lines of this township I find the length of the line bet. secs. 30 and 31, closing on the west boundary, to be 76.32 chs. an excess of 50 lks. over its theoretical length, as compared with the length of the S. bdy. of sec. 31, given in the returns of the survey of the N. bdy. of T. 9 S., R. 19 W.

In order to locate this error and verify the mis-closure of sec. 31 I proceed as follows;

I retrace the E., N., and W. bdy's of sec. 31., recently surveyed by me and find the alinement and measurement to be correct. Thence I proceed to the ^{old} cor. of secs. 31 and 32 on S. bdy. of the township ^{heretofore described} and at 9^h 23^m a.m., l.m.t. December 9, 1912. I set off 32941' N. on the lat. arc, 22°49' S. on the decl. arc and determine a meridian with the solar.

Thence I run
 S 89°59' W. on S. bdy. of sec. 31, on random line.
 Over level sandy bottom land, through dense arrow weed and watermoat brush undergrowth 6 to 8 ft. high.

12.00 Intersect left bank of the Gila River bears N 30° E. and S 30° W., thence over dry sandy river bed.

47.04 Fall 02 lks. S. of the witness cor. to the $\frac{1}{4}$ sec. cor., which is an iron post 3 ft. long, 1 in. in diam., marked and witnessed as described by the Surveyor General.

Note: This cor. is situated on the edge of right bank of the Gila River bears N 40° E. and S 40° W. Enter dense arrow weed and watermoat brush undergrowth bears NE. and SW.

76.54 Fall 05 lks. S. of the cor. of Tps. 8, and 9 S., Rs. 19 and 20 W. ~~heretofore~~ described.
 Land level.
 Soil sandy 1st. and 2nd. rate.
 No timber.

True course & dist. of this mile is therefore N. 89° 59' W., 76.54 chs.

December 9, 1912.

- BOUNDARIES OF TOWNSHIP 8 SOUTH, RANGE 19 WEST -
Latitudes, Departures and Closing errors.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
South boundary	S 89° 59' W.	480.00	.02	.12		480.00
West boundary	North	480.00	480.00			
North boundary	S 89° 58' E.	475.75		.24	475.75	
East boundary	South	80.00		80.00		
	S 0° 48' W.	40.00		40.00		.21
	S 0° 48' E.	40.48		40.48	.21	
	S 0° 15' E.	240.03		240.03	.18	
	S 0° 15' W.	40.01		40.01	.20	.18
	S 0° 12' E.	39.92		39.92	.14	
	S 0° 5' E.	120.27		120.27	.18	
	S 0° 29' E.	79.98		79.98	.68	
Convergency					.50	
			480.02	481.05	477.84	476.93
				480.02	476.93	
			Error in lat. 1.03			
				Error in Dep. .71		

General Description

This township is rough and mountainous in the northern and northwestern part, hilly in the interior, and level in the southern part along the Gila River. The southern portion of the township is well watered for a portion of the year by the Gila river, while the northern portion has no water except in tanks which form after the rains. The only timber is found along the Gila River in the southern part and along the sand washes which cut through the interior in a southeasterly direction.

Sidney E. Blount
 U.S. Surveyor.

For FINAL OATH OF UNITED STATES SURVEYOR.
see Book "Q" 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, 1914

The foregoing field notes of the survey of *the West and North boundaries and part of the East boundary and Retracement and Resurvey of parts of the East and South boundaries of Township N^o 8 South Range N^o 19 West of the Gila and Salt River Base and Meridian, Arizona*

executed by *Sidney E. Blout, U.S. Surveyor* under his special instructions dated *May 27*, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the *retracements and resurveys* they describe, are hereby approved.

Frank S. Sigall
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.~~