

BOOK "E"

BOOK 2631

FIELD NOTES

OF THE SURVEY OF ~~THE~~

PART OF THE

Subdivision lines of

TOWNSHIP No. 9 NORTH, RANGE No. 2 EAST

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 29, 1912,

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

Group No. 20, 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 commenced February 3, 1913

Survey completed February 13, 1913

BOOK 2631

INDEX DIAGRAM.

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Partial Subdivision of T 9 N., R 2 E.

(1B)

Chains. Survey commenced February 3, 1913. and executed with a Young and Sons light mountain transit No. 10 with 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 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.

I begin at the old standard cor. of secs. 35 and 36, on S. bdry. of Tp., which is a malapais stone 12x6x5 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.; latitude $34^{\circ}04'21''$ N.; longitude $112^{\circ}06'56''$ W.

All measurements were made with a 5.00 chain steel tape with clinometer for determining the slope angles.

At 1^h 14^m p.m., l.m.t. I set off $34^{\circ}04\frac{1}{2}'$ N. on the lat. arc, $16^{\circ}29'$ S. on the decl. arc, and determine a meridian with the solar at the above cor. Thence I retrace, East, on 2nd Standard Parallel North, and S. bdry of sec. 36; and at 39.98^{chs} fall 2 lks. N. of the ^{OLD} standard $\frac{1}{4}$ sec. cor.; and at 79.97^{chs} fall 5 lks. N. of the ^{OLD} standard cor. of Tps. 9 N., Rs. 2 and 3 E.; therefore, true course & dist. of this mile is $S. 89^{\circ}58' E. 79.97$ chs.

From the ^{OLD} standard cor. of secs. 35 & 36, I retrace on $N. 0^{\circ}01' W.$ bet. secs. 35 and 36.; at 40.08 chs., fall 3 lks. W. of the ^{OLD} $\frac{1}{4}$ sec. cor.; and at 80.22 chs. fall 5 lks. W. of the ^{OLD} cor. of secs. 25, 26, 35, and 36, and therefore, true course & dist. of this mile is $N. 0^{\circ}01' E. 80.22$ chs.

February 3, 1913.

February 8, 1913; At 1^h 44^m p.m., l.m.t. I set off $34^{\circ}05' N.$ on the lat. arc, $14^{\circ}57\frac{1}{2}' S.$ on the decl. arc, and determine a meridian with the solar at the ^{OLD} cor. of secs. 25, 26, 35, and 36., which is a malapais stone 12x10x7 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

Thence I run, $S. 89^{\circ}58' E.$, on a random line, bet. secs. 25 and 36,

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

79.96 Intersect the E. bdry of Tp. 35 lks. N. of the cor. of secs. 25, 30, 31, and 36, recently estab. by me as described in Book "F"

Thence I run, $N. 89^{\circ}43' W.$, on a true line, bet. secs. 25 and 36.

Descend W. slope of spur over stony mountainous land, through scattering pale verde timber and greasewood brush undergrowth 3 ft. high.

1.60 Dry ravine 20 lks. wide course north. asc.

5.00 Top of ascent on W. side of ravine, thence over broken stony land., slopes to the north.

30.40 Begin steep descent over NW. slope into Agua Fria River bottom.

36.60 Foot of descent in river bottom, leave stony hilly and mountainous land bears NE. and SW., enter rolling sandy bottom land.

39.98 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 $S. 25$ in N. half and $S. 36$ in S. half. from which

A palo verde, 7 ins. in diam. bears $S. 33\frac{1}{2}' W.$, 84 lks. dist., marked $\frac{1}{4}$ S 36 BT.; No other trees within limits.

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

67.30 Intersect left bank of the Agua Fria River 4 ft. high, bears $N50^{\circ}E.$ and $S50^{\circ}W.$, thence over sandy river bed, water clear 4 ins. deep. leave timber bears NE. and SW.

76.60 Intersect the right bank of river 4 ft. high bears $N50^{\circ}E.$ and $S50^{\circ}W.$, thence over sandy bottom land.

79.96 The ^{OLD} cor. of secs. 25, 26, 35, and 36, hereinbefore described

Partial Subdivision of T.9 N., R 2 E.

Chains. E.37 chs.hilly and mountainous.N.slope.soil light poor stony loam with considerable disintegrated malapais stone. underlaid with volcanic rock. W.43 chs.rolling river bottom;soil dark sandy loam 2 ft.deep on gravel subsoil. Timber,palo verde and mesquite.

February 8,1913.

February 9¹⁹¹³ At 8^h 44^m a.m.,l.m.t. I set off 34°05'N.on the lat.arc,14°41'S.on the decl.arc,and determine a meridian with the solar at the^{ol} cor.of secs.25,26,35, and 36, heretofore described

- Thence I run, N. 0°01'W., bet.secs.25 and 26, Over rolling sandy bottom land,through dense greasewood brush undergrowth,5 ft.high. 6.40 Road to George Cowl's ranch bears N70°E. and S 70°W. 11.90 Leave bottom land bears NE. and SW.,Ascend abrupt rocky SE. slope of spur over mountainous land,through scattering palo verde and mesquite timber. 14.00 Top of bluff 50 ft.high bears E.and W.continue steep ascent. 35.15 Top of spur bears E. and W. desc. 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 1/4 S 26 in W. half and S 25 in E. half.;No trees suitable for bearing trees within limits.;Raise a mound of stone 2 ft.base,1 1/2 ft.high W.of cor.,Pits impracticable. 66.60 Dry ravine 20 lks.wide course N60°E. ascend abruptly.over loose malapais boulders. 80.00 Set an iron post 3 ft.long,2 ins.in diam.24 ins.in the ground,for cor.of secs.23,24,25,and 26.,marked on brass cap 1/4 T9N.,R2E.in N.half. S23 in NW. S24 in NE.,S25 in SE. and S 26 in SW. quadrant.No trees within limits. Raise a mound of stone 2 ft.base,1 1/2 ft.high W.of cor.;Pits impracticable. S.12 chs.rolling river bottom,soil light dry sandy loam on gravel subsoil.N. 68 chs.rough mountainous land;ridges and spurs with poor stony soil,washed on slopes.light growth bunch grass. Timber palo verde and mesquite. At this cor.I set off 14°39'S.on the decl arc,and at noon observe the sun on the meridian and obtain a reading of 34°06'N.

- S. 89°43'E., on a random line, bet.secs.24 and 25, 40.00 Sat temp. 1/4 sec.cor. 80.06 Intersect E. bdry.of Tp,2 lks.N.of the cor.of secs.19,24, 25 and 30,recently estab.by me as described in Book "F" Thence I run, N. 89°42'W., on a true line, bet.secs.24 and 25. Ascend SE. slope of spur over stony mountainous land,through scattering palo verde timber and greasewood brush undergrowth 4 ft.high. 6.80 Top of spur bears NE. and SW. desc. 25.00 Foot of descent in the Agua Fria River bottom.,leave stony mountainous land bears NE. and SW.Enter rolling sandy bottom land. 25.65 Road to George Cowl's ranch,bears N20°E. and S20°W. 36.50 Set an iron post,3 ft.long,1 in.in diam.26 ins.in the ground for witness cor to the 1/4 sec.cor,which falls in the bed of the Agua Fria River.,marked on brass cap, 1913, WC. 1/4 W.of center S24. in NE. and S25 in SE. quadrant. Raise a mound of stone 2 ft.base,1 1/2 ft.high N.of cor. No trees suitable for bearing trees within limits. Pits impracticable. 36.65 Intersect the left bank of the Agua Fria River 4 ft.high, bears N60°E. and S60°W.thence over sandy river bed, water clear 6 ins.deep. 40.03 The point for the 1/4 sec.cor.

Partial Subdivision of T.9 N., R 2 E.

Chains.

- 43.00 Intersect the right bank of river bears N60°E. and south. ascend cliffs. 150 ft. high.
- 47.85 Top of ascent on cliffs bears N. and S. continue gradual ascent of spur.
- 55.65 Top of spur bears N. and S. desc. abruptly into canyon.
- 61.90 Dry ravine 10 lks. wide in bottom of canyon 100 ft. deep course S30°E. ascend abruptly.
- 80.06 The cor. of secs. 23, 24, 25, and 26, ~~hereinbefore~~ described
Land rolling and mountainous; spurs with light poor stony and sandy loam 6 to 14 ins. deep on clay and malpais stone subsoil. light growth bunch grass. Timber palo verde and mesquite. bottom land soft dry sandy loam, with some gravel 14 to 36 ins. deep on gravel subsoil.

February 9, 1913.

February 10¹⁹¹³ At 8^h 14^m a.m., l.m.t. I set off 34°06' N. on the lat. arc, 14°21½' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 23, 24, 25, and 26, ~~hereinbefore~~ described

Thence I run,

- N. 0°01' W., bet. secs. 23 and 24,
Ascend SE. slope of spur over mountainous land, through scattering palo verde timber and greasewood brush undergrowth 3 ft. high.
- 6.00 Top of spur 30 ft. above cor. bears NW. and SE. descend over NE. slope.
- 37.35 Dry ravine 15 lks. wide course S40°E. ascend along E. side of ravine.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap¹⁹¹³ ¼ S 23 in W. half and S 24 in E. half; No trees within limits.
Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.; Pits impracticable.
- 44.00 Dry ravine 6 lks. wide 18 ft. deep course SW. ascend SE. slope of Black Mesa. over loose malpais boulders.
- 61.00 Top of ascent on point of mesa, thence along E. slope.
- 74.30 Top of ascent on S. end of the Black Mesa bears SE. and SW., leave mountainous land bears E. and SW., enter rolling land. Leave timber bears SE. and SW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 13, 14, 23, and 24., marked on brass cap¹⁹¹³ T9N., R2E. in N. half. S14 in NW., S13 in NE., S24 in SE. and S23 in SW. quadrant
Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.; Pits impracticable.
S. 74 chs. mountainous land.; SE. slope. soil light poor sandy and stony loam on ledges of volcanic rock. N 6 chs. rolling prairie S. slope; soil dark coarse adobe clay loam on clay subsoil, good growth bunch grass. Timber scattering palo verde and mesquite.

S. 89°42' E., on a random line, bet. secs. 13 and 24,

- 40.00 Set temp ¼ sec. cor.

- 80.24 Intersect E. bdry. of Tp. 3 lks. S. of the cor. of secs. 13, 18, 19, and 24, recently estab. by me as described in Book "F"

Thence I run,

N. 89°43' W., on a true line, bet. secs. 13 and 24.

Over rolling sandy bottom land, through scattering mesquite, catclaw, and palo verde timber and greasewood brush undergrowth 4 ft. high.

- 1.80 Road to George Cowl's ranch bears NW. and SE.

- 5.60 Intersect left bank of the Agua Fria River bears NE. and SW. thence over sandy river bed, water clear 8 ins. deep.

- 9.00 Intersect the right bank bears NE. and SW., leave rolling bottom land bears NE. and SW., ascend abrupt rocky E. slope of spur over mountainous land.

- 26.20 Top of spur 150 ft. above river bears N. and S. desc.

Partial Subdivision of T.9 N., R.2 E.

Chains.

- 40.12 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 ^{19/3} $\frac{1}{4}$ S 13 in N. half and S 24 in S. half.; No trees within limits, Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.; Pits impracticable.
This cor. is situated at foot of descent in depression bears N. and S. asc.
- 48.50 Top of spur bears N. and S. desc.
- 75.00 Foot of Black Mesa bears N. and S., ascend perpendicular wall of mesa 150 ft. high.
- 75.20 Top of cliff on E. edge of mesa bears N. and S., leave mountainous land bears N. and S., enter rolling mesa land.
- 80.24 The cor. of secs. 13, 14, 23, and 24, ~~hereinbefore~~ described
Land rolling and mountainous; soil coarse black adobe clay loam, light growth bunch grass over the mountainous portion of the mile, good growth bunch grass on the Black Mesa. Timber scattering palo verde, and mesquite.

Note: At this cor. I set off $14^{\circ}19\frac{1}{2}'$ S. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of $34^{\circ}07'$ N. on the lat. arc.

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- N. $0^{\circ}01'$ W., bet. secs. 13 and 14,
Over rolling stony mesa land.
- 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 ^{19/3} $\frac{1}{4}$ S 14 in W. half and S 13 in E. half.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
- 80.00 Set an iron post, 3 ft. long 2 ins. in diam., 24 ins. in the ground for cor. of secs. 11, 12, 13, and 14., marked on brass cap ^{19/3} T9N., R2E. in N. half. S11 in NW., S12 in NE., S13 in SE. and S14 in SW. quadrant.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
Land high rolling prairie. S. slope; soil coarse black adobe loam, dry on clay subsoil; good growth bunch grass. No timber.

February 10, 1913.

February 11, ¹⁹¹³ At 8h 44^m a.m., l.m.t. I set off $34^{\circ}08'$ N. on the lat. arc, $14^{\circ}02'$ S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 11, 12, 13, and 14, above described.

- Thence I run
S. $89^{\circ}43'$ E., on a random line, bet. secs. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.22 Intersect E. bdy. of Tp. 198 lks. N. of the witness cor. to cor. of secs. 7, 12, 13, and 18, recently estab. by me 2.00 chs. S. of cor. point as described in Book "F"
Thence I run, from true cor. point,
N. $89^{\circ}44'$ W., on a true line, bet. secs. 12 and 13,
Over stony river bed.
- 10.30 Intersect left bank of the Agua Fria river bears N 70° E. and S 70° W., thence over stony bottom land.
- 17.85 Intersect left bank of the Agua Fria River bears N. and S., thence over stony river bed, water clear 6 to 8 ins. deep.
- 22.00 Intersect the right bank bears N. and S., leave rolling land bears N. and S. ascend abrupt NE. slope over mountainous land, through scattering palo verde and mesquite timber and greasewood brush undergrowth 4 ft. high.
- 34.00 Top of abrupt ascent, ascend gradually.
- 38.70 Top of spur 400 ft. above river bears N. and S. desc. W. slope.
- 40.11 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 ^{19/3} $\frac{1}{4}$ S12 in N. half and S13 in S. half.; No trees suitable for bearing trees within limits.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.; Pits impracticable.
- 40.90 Foot of descent in flat 200 lks. wide at foot of the Black Mesa.

Partial Subdivision of T. 9 N., R. 2 E.

Chains.

- 42.90 West edge of flat bears N. and S., ascend E. slope of mesa.
 56.00 Foot of perpendicular cliff along E. edge of mesa.
 58.00 Top of ascent on cliff 150 ft. high bears N 15°W. and S 15°E.
 leave mountainous land and timber bears N. and S.; Enter
 rolling stony mesa land.
 80.22 The cor. of secs. 11, 12, 13, and 14, ~~hereinbefore described~~
 E. 58 chs. broken and mountainous. ridges steep with coarse
 gravelly and clay loam on clay and decomposed rock
 subsoil, light growth bunch grass. W. 22 chs. high rolling
 prairie. S. slope; soil dark coarse adobe clay loam 2 ft.
 deep on underlying ledges of sand stone., good growth
 bunch grass. Timber scattering palo verde and mesquite.

Note: At this cor. set off 14°00' S. on the decl. arc, and at
 noon observe the sun on the meridian, and obtain a
 reading of 34°08' N. on the lat. arc.

- N. 0°01' W., bet. secs. 11 and 12,
 Over rolling stony mesa land, through heavy growth bunch
 grass.
 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 $\frac{23}{4}$ S 11 in W.
 half and S 12 in E. half.; Raise a mound of stone 2 ft.
 base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the
 ground for cor. of secs. 1, 2, 11, and 12., marked on brass
 cap $\frac{23}{4}$ T9N., R2E. in N. half. S2 in NW., S1 in NE., S12 in SE.
 and S11 in SW. quadrant.; Raise a mound of stone 2 ft.
 base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
 Land high rolling prairie, S. slope; soil coarse black adobe
 clay loam $2\frac{1}{2}$ ft. deep on underlying ledges of malpais
 stone. good growth bunch grass. No timber.

- S. 89°44' E., on a random line, bet. secs. 1 and 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect E. bdry of Tp. 8 lks. N. of the cor. of secs. 1, 6, 7,
 and 12., recently estab. by me as described in Book "F"
 Thence I run,
 N. 89°41' W., on a true line, bet. secs. 1 and 12.
 Descend NW. slope, over stony mountainous land, through
 scattering palo verde timber and greasewood brush
 undergrowth 3 ft. high.
 6.00 Top of bluff bears NE. and SW. descend abruptly over NW.
 slope into the Agua Fria River.
 19.00 Foot of abrupt descent in river bottom bears NE. and SW.
 thence over sandy bottom land.
 29.00 Intersect left bank of the Agua Fria River bears N. and S.
 water clear 8 ins. deep.
 32.00 Intersect the right bank bears N. and S., ascend abrupt E.
 slope.
 40.00 Top of bluff 250 ft. above river bears N. and S. descend.
 40.06 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 $\frac{23}{4}$ S 1 in N. half
 and S 12 in S. half.; No trees suitable for bearing trees
 within limits; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft.
 high N. of cor.; Pits impracticable.
 45.00 Head of dry ravine course SE. ascend gradually.
 48.80 Foot of the Black Mesa, begin abrupt ascent over E. slope.
 62.50 Foot of perpendicular rock wall along E. side of mesa.
 63.60 Top of wall 150 ft. high on E. edge of mesa bears N. and S.,
 leave mountainous land and timber bears N. and S.; Enter
 rolling stony mesa land.
 80.12 The cor. of secs. 1, 2, 11, and 12, ~~hereinbefore described~~
 E. 64 chs. rough mountainous land; spurs steep with light
 poor stony loam on ledges of shale rock, light growth
 bunch grass. W. 16 chs. high rolling prairie S. slope; soil

Partial Subdivision of T 9 N., R 2 E.

Chains. coarse dark adobe clay loam 2 to 4 ft. deep on ledges of sand stone. good growth bunch grass Timber scattering palo verde and mesquite.
I find the land to the north of this point stony, mountainous unfit for agricultural purposes, and impracticable to survey, and discontinue the subdivision of this tier of sections at the cor. of secs 1, 2, 11, and 12 hereinbefore described

February 11, 1913.

February 12¹⁹¹³ At 8^h 14^m a.m. l.m.t. I set off 34°05' N. on the lat. arc 13°42' S. on the decl. arc, and determine a meridian with the solar at the ^{old} cor. of secs. 26, 27, 34, and 35., which is a malpais stone 14x10x7 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

Thence I run,
N. 0°01' W., bet. secs. 26 and 27,
Descend NE. slope over stony mountainous land, through scattering, palo verde timber and greasewood brush 4 ft. high
8.75 Foot of descent in dry ravine 5 lks. wide course SE. ascend gradually over SE. slope.
29.85 Dry ravine 8 lks. wide 6 ft. deep course SE. ascend abruptly.
38.40 Top of abrupt ascent, 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 cap ¹⁹¹³ $\frac{1}{4}$ S 27 in W. half and S. 26 in E. half.; No trees large enough for bearing trees within limits.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
68.80 Top of ascent on spur 250 lks. west of clay butt 50 ft. high bears E. and NW., descend.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 22, 23, 26, and 27., marked on brass cap, ¹⁹¹³ T9N.R2E. in N. half. S22 in NW., S23 in NE., S26 in SE., and S27 in SW. quadrant.; No trees suitable for bearing trees within limits.; Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
Land mountainous; ridges and spurs with light poor sandy dry loam on clay and decomposing shale subsoil, no grass Timber scattering palo verde.

N. 89°58' E., on a random line, bet. secs. 23 and 26.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.16 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 23, 24 25 and 26, hereinbefore described
Thence I run,
N. 89°55' W., on a true line, bet. secs. 23 and 26.
Ascend abrupt SE. slope of mesa over stony mountainous land, through scattering palo verde timber and brush.
2.50 Dry ravine 10 lks. wide 20 ft. deep course SE.
12.15 Foot of cliff 40 ft. high along E. edge of mesa.
12.20 Top of cliff on E. edge of mesa bears N. and S., leave mountainous land bears N. and S., enter rolling land.
16.00 West edge of mesa bears N. 20° W. and S. 20° E., leave rolling land bears NW. and SE. descend abrupt rocky W. slope over mountainous land.
36.90 Dry ravine 15 lks. wide course SW. asc.
40.08 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 ¹⁹¹³ $\frac{1}{4}$ S 23 in N. half and S 26 in S. half.; No trees suitable for bearing trees within limits.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor., Pits impracticable.
44.00 Top of spur bears N 30° E. and S 30° W. descend gradually.
50.80 Descend abruptly into canyon.
51.80 Foot of descent in canyon 500 ft. below top of mesa, cross dry ravine 30 lks. wide course SE. ascend E. slope.
57.00 Dry ravine 10 lks. wide 20 ft. deep course SE.
77.80 Top of ridge bears N. and S. desc. W. slope.
80.16 The cor. of secs. 22, 23, 26, and 27, hereinbefore described

Partial Subdivision of T 9 N., R 2 E.

Chains. Land rolling and mountainous ridges and spurs with light poor, sandy and stony loam 12 to 16 ins. deep on clay and decomposing shale rock. rolling land on top of mesa coarse dark adobe clay loam 8 to 12 ins. deep on underlying ledges of stone. light growth bunch grass. Timber palo verde.

Note: At this cor. I set off $13^{\circ}40'S$. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $34^{\circ}06'N$. on the lat. arc.

I find the land in the northern part of this township to be rough broken and mountainous, unsuitable for agricultural purposes and impracticable to survey; therefore I discontinue the survey of the subdivision of the 2 nd. tier of secs. at the cor. of secs. 22, 23, 26, and 27.

hereinafter described

February 10, 1917.

At 2^h 14^m p.m., l.m.t. I set off $34^{\circ}05'N$. on the lat. arc, $13^{\circ}38\frac{1}{2}'S$. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 27, 28, 33, and 34., which is a granite stone 12x4x3 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

From this cor. U.S.L.M. No. 2239 which is a malapais stone in place 4x3x1 $\frac{1}{2}$ ft. above ground, marked (x) U.S.L.M. 2239. bears $S. 39^{\circ}47'E$. 30.39 chs., from which,

A malapais stone in place, 12x12x7 ins. above ground, bears $N. 64^{\circ}18'W$. 22 lks. dist. marked (x) BR.

A malapais stone 18x12x8 ins. above ground, bears $N. 10^{\circ}20'W$. 40 lks. dist., marked (x) BR. and

A malapais stone 20x16x6 ins. above ground, bears $S. 58^{\circ}20'W$. 30 lks. dist., marked (x) BR., bears $S. 39^{\circ}47'E$. 30.39 chs. dist.

Thence I run,

$N. 0^{\circ}02'W$. bet. secs. 27 and 28,

Over level sandy bottom land, through scattering mesquite timber and undergrowth.

6.51 Intersect the south end line of the Arizona Gold and Placer claim Survey No. 2239 "261 lks. $S. 73^{\circ}01'E$. of cor. No. 4 thence on blank line across claim.

9.45 Wire fence bears NW. and SE.

13.90 Leave level bottom land bears NW. and SE, ascend SW. slope over stony hilly land.

16.10 Top of ascent on bluff 25 ft. above bottom bears NW. and SE. thence over stony mesa land. through scattering palo verde timber.

17.92 Intersect the west side line of the Arizona Gold and Placer claim Survey No. 2239 "10.65 chs. $S. 12^{\circ}54'W$. of cor. No. 3.

23.00 Top of bluff 30 ft. high bears NE. and SW. desc. NW. slope

24.50 Foot of descent, leave hilly land bears NE. and SW., enter level sandy bottom land.

25.10 Dry ravine 20 lks. wide 4 ft. deep course west., this ravine empties into Black Canyon Creek 50 lks. W. of line.

39.30 Black Canyon road from Prescott to Phoenix Arizona, bears $N. 30^{\circ}W$. and $S. 30^{\circ}E$.

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 $\frac{1}{4}$ S 28 in W. half and S 27 in E. half., from which

A palo verde, 10 ins. in diam., bears $S. 60^{\circ}E$, 190 lks. dist., marked $\frac{1}{4}$ S 27 BT. and

A palo verde, 7 ins. in diam., bears $S. 55\frac{1}{4}^{\circ}W$, 57 lks. dist., marked $\frac{1}{4}$ S. 28 BT.

47.30 Leave bottom land bears NW. and SE. ascend SW. slope over stony hilly land.

48.70 Top of bluff 20 ft. above creek bottom. descend N. slope.

51.25 Foot of descent in dry ravine course west.

Partial Subdivision of T 9 N., R 2 E.

Chains.

- 54.45 Leave ravine, ascend S. slope over stony hilly land.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 21, 22, 27, and 28., marked on brass cap ^{19/3} T9N., R2E. in N. half. S21 in NW.; S22 in NE., S27 in SE. and S28 in SW. quadrant.; No trees suitable for bearing trees within limits.; Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.; Pits impracticable.
 Land level and hilly; soil of bottom lands rich dark sandy loam 3 ft. deep on gravel subsoil. hilly land, ridges with light poor sandy loam on clay and conglomerate sand stone subsoil, light growth bunch grass. Timber mesquite and palo verde.

February 12, 1913.

 February 13, 1913, At 8^h 44.^m a.m., l.m.t. I set off 34°06'N. on the lat. arc, 13°22½'S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 21, 22, 27, and 28, above described,

- Thence I run,
 S. 89°59'E., on a random line, bet. secs. 22 and 27,
 40.00 Set temp. ¼ sec. cor.
 80.06 Intersect N. and S. line, 22 lks. N. of the cor. of secs. 22, 23, 26, and 27, ~~hereinbefore described~~
 Thence I run,
 N. 89°50'W., on a true line, bet. secs. 22 and 27.
 Descend steep rocky NW. slope over hilly land, through scattering palo verde and mesquite timber and grease wood brush undergrowth 4 ft. high.
 6.70 Dry ravine, 15 lks. wide, course NW., asc.
 14.50 Dry ravine, 10 lks. wide, 6 ft. deep, course north, asc.
 40.05 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. marked on brass cap ^{19/3} S 22 in N. half and S 27 in S. half. from which
 A mesquite, 13 ins. in diam., bears N. 83°W., 87 lks. dist, marked ¼ S 22 BT.; No other trees within limits.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Pits impracticable.
 57.00 Dry ravine 20 lks. wide 5 ft. deep course NW. asc.
 61.20 Top of ridge bears N. and S. desc.
 63.00 Leave hilly land bears N. and S. enter rolling stony land.
 80.06 The cor. of secs. 21, 22, 27, and 28, ~~hereinbefore described~~
 Land rolling broken and hilly W. slope; soil light poor sandy and stony loam 14 ins. deep on clay and shale subsoil; ridges washed on slopes stony. no grass, Timber scattering palo verde and mesquite.
 I find the northern and western portions of this township to be rough mountainous country unfit for agricultural purposes, and impracticable to survey; therefore I discontinue the subdivision at the cor. of secs. 21, 22, 27, and 28,

February 13, 1913.

Sidney C. Blout
 U. S. Surveyor

Retracement of Mineral Claims in T 9 N., R 2 E.

- Chains. Survey commenced February 13, 1913. and executed with a Young and Soms light mountain transit No. 10 with a solar attachment. The horizontal limb, is provided with two double verniers, placed opposit 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 established by observation on Polaris I know that the instrument is in satisfactory adjustment. All measurements were made with a 5.00 chain steel tape with a clinometer for determining the slope angles. I begin at cor. No. 1 of the Arizona Gold and Placer Claim Survey No. 2239 " ", which is a cottonwood post 5 ft. long 6 ins. sq. set in a mound of stone, marked A 2239 (1) on NW face; latitude $34^{\circ}05'N.$, longitude $112^{\circ}08'W.$ At 10^{14}^m a.m., l.m.t. I set off $34^{\circ}05'N.$ on the lat. arc, $13^{\circ}21\frac{1}{2}'S.$ on the decl. arc, and determine a meridian with the solar.
- Thence I run,
N $12^{\circ}17'E.$ for cor. No. 2 which is in sight.
- 22.16 Intersect cor. No. 2 which is a cottonwood post 5 ft. long, 6 ins. sq. set in a mound of stone, marked A 2239 (2) on SW. face.
- Thence I run
N $76^{\circ}51'W.$ for cor. No. 3 which is in sight.
- 8.98 Intersect cor. No. 3, which is a cottonwood post 4 ft. long 5 ins. sq., marked A 2239 (3) on SE. face.
- Thence I run
S $12^{\circ}54'W.$ for cor. No. 4 which is in sight.
- 10.65 Intersect line bet. secs. 27 and 28, 17.92 chs. N $0^{\circ}02'W.$ of the cor. of secs. 27, 28, 33, and 34.
- 21.56 Intersect cor. No. 4 which is a cottonwood post 5 ft. long 5 ins. in diam., set in a mound of stone, marked A 2239 (4) on NE. face.
- Thence I run
S $73.01'E.$ for cor. No. 1 which is in sight.
- 2.61 Intersect the line bet. secs. 27, and 28, 6.51 chs., N. $0^{\circ}02'W.$ of the cor. of secs. 27, 28, 33, and 34.
- 4.68 Intersect cor. No. 3 of the California Placer Survey No. 2239
- 9.19 Intersect cor. No. 1 the place of beginning.

At $2^h 14^m$ p.m., l.m.t. I set off $34^{\circ}05'N.$ on the lat. arc $13^{\circ}18'S.$ on the decl. arc, and determine a meridian with the solar at cor. No. 1 of the California Placer Claim Survey No. 2239, which is a cottonwood post 4 ft. long 4 ins. sq. set in a mound of stone, marked C 2239 (1) on NW. face.

- Thence I run
N $14^{\circ}46'E.$ for cor. No. 2 which is in sight.
- 19.06 Intersect the line bet. secs. 27 and 34. 9.66 chs. S $89^{\circ}59'E$ of the cor. of secs. 27, 28, 33, and 34.
- 22.47 Intersect cor. No. 2 which is a cottonwood post 5 ft. long, 5 ins. in diam., set in a mound of stone, marked C 2239 (2) on SW. face.
- Thence I run
N $73^{\circ}01'W.$ for cor. No. 3 which is in sight.
- 4.42 Intersect cor. No. 1 of the Arizona Gold and Placer Claim Survey No. 2239. previously described.
- 8.93 Intersect cor. No. 3 of the California Placer Claim, which is a cottonwood post 4 ft. long, 6 ins. in diam., set in a mound of stone, marked C 2239 (3) on SE. face.
- Thence I run
S $34^{\circ}47'W.$ for cor. No. 4 which is in sight.
- 6.10 Intersect the line bet. secs. 27 and 34, 41 lks. S. $89^{\circ}59'E.$ of the cor. of secs. 27, 28, 33, and 34.
- 7.68 Intersect the line bet. secs. 33 and 34, 1.53 chs. S. $0^{\circ}02'E.$ of the cor. of secs. 27, 28, 33, and 34.

Retracement of Mineral Claims in T. 9 N., R. 2 E.

Chains.

- 21.83 Intersect Cor.No.4 of the California Placer Claim, which is a cottonwood post 4 ft.long, 4 ins.in diam.set in a mound of stone, marked C 2239 (4) on NE. face.
Thence I run
S 69°E.for cor.No.1 which is in sight.
- 3.86 Intersect the line bet.secs.33 and 34.16.60 chs. S 0°02'E. of the cor.of secs.27,28,33, and 34.
- 8.95 Intersect cor.No.1 the place of beginning.

February 13, 1913.

Sidney E. Blout

U.S. Surveyor

GENERAL DESCRIPTION.

The land in this township, with the exception of the narrow river bottoms along the Agua Fria River is of a rough mountainous character covered with loose malpais and porphyry stone, and the soil ranges from loose rock to rich sandy loam. The soil of the bottom land along the Agua Fria River which crosses the township in a southwesterly direction is a medium rich gray sandy loam which is being farmed at the present time with the aid of irrigation and produces comparatively good crops. The soil of the mountainous portions of the township is so stony as to be unfit for agricultural purposes, is covered with bunch grass and affords considerable pasture during the Summer months for cattle and sheep.

Scattering cottonwood, mesquite, and palo verde timber are found scattered over the southern and southeastern parts and along the Agua Fria River, the trees however being too small to be of commercial value.

There are several Placer mining claims in the western part of the township.

The township is watered by the Agua Fria River, Black Canyon, and Squaw creeks which flow for short periods during the year.

There is one settler in sec. 33 and one in sec. 34 previously surveyed.

Sidney E. Blout

U.S. Surveyor.

BOOK 2631

For FINAL OATH OF UNITED STATES SURVEYOR.
see Book "0" 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 part of the
Subdivision lines of
Township No. 9 North, Range No. 2 East
of the Gila and Salt River Base and Meridian, Arizona
and retracement of Mineral Claims in same Township

executed by Sidney E. Blout U.S. Surveyor
under his special instructions dated May 29, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys 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.~~