

BOOK "H"

BOOK 2634

FIELD NOTES

OF THE SURVEY OF THE

*South Boundary
and part of East Boundary**and RESURVEY OF**part of East Boundary of**TOWNSHIP No 16 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 and Resurvey commenced *April 1*, 1913

Survey and Resurvey completed *April 15*, 1913

78
1A

BOOK 2634

INDEX DIAGRAM.

Township 16 NORTH, Range 2 EAST

4th Standard Parallel North

6	5	4	3	2	1	9	7
7	8	9	10	11	12	9	18
18	17	16	15	14	13	8	19
19	20	21	22	23	24	7	30
30	29	28	27	26	25	6	31
31	32	33	34	35	36	6	6
2	2	3	4	4	4	4	

6-151

Subdivisions Surveyed.

South boundary of T 16 N., R 2 E.

Chains. Survey commenced April 1, 1913. and executed with a Young and Sons light mountain transit No. 10 with 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 established by observations on Polaris I proceed as follows.

At my camp which is located near the cor. of secs. 22, 23, 26, and 27. T16N., R2E.; latitude $34^{\circ}44'59''$ N., longitude $112^{\circ}06'49''$ W.

At $3^h 04^m$ p.m., l.m.t. I set off $34^{\circ}45'$ N. on the lat. arc, $4^{\circ}36'$ N. on the decl. arc and determine a meridian with the solar and mark a point thereof by a tack driven in a stake set in the ground 5.00 chs. N. of my instrument.

At $6^h 44^m$ p.m., by my watch, which is correct local mean time I observe Polaris at western elongation and mark the direction thus determined by a tack driven in a stake set in the ground 5.00 chs., N. of my instrument.

April 1, 1913.

April 2¹⁹¹³ At 7^h 0^m a.m., l.m.t. I set off the azimuth of Polaris $1^{\circ}24\frac{1}{2}'$ to the east and mark the meridian thus determined by a tack driven in the stake set last evening on which the meridian falls 0,3 ins. E. of the point determined by the solar.

At $8^h 04^m$ a.m., l.m.t. I set off $34^{\circ}45'$ N. on the lat. arc, $4^{\circ}53'$ N. on the decl. arc, and determine a meridian with the solar and mark a point thereof on the stake already set 5.00 chs. N. of my instrument.; this point falls 0.4 ins. east of the meridian established by the Polaris observation. The solar apparatus by p.m., and a.m. observations, define positions for meridians respectively about $0'11''$ west and $0'21''$ east of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

I begin at the ^{old} cor. of Tps. 15 and 16 N., Rs. 2 and 3 E., which is a sand stone $6 \times 10 \times 8$ ins. above ground, firmly set, marked and witnessed as described by the surveyor general.; latitude $34^{\circ}44'06''$ N.; longitude $112^{\circ}04'42''$ W.

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

The magnetic bearing of the meridian at 9^h 0^m a.m. l.m.t. is $N. 16^{\circ}30' W.$ the angle thus determined gives the mag decl. $16^{\circ}30' E.$

At $9^h 04^m$ a.m., l.m.t. I set off $34^{\circ}44\frac{1}{2}'$ N. on the lat. arc, $4^{\circ}53\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar at the above described Tp. cor.

Thence I run,

West, on a random line, along the S. bdry. of T. 16 N., R. 2 E., setting $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; and at 556, 90 chs. falls 92, 90 chs. North of the 66.90 chs. l. of old cor. of Tps. 15 and 16 N., Rs. 1 and 2 E., which is a lime stone $12 \times 10 \times 5$ ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

April 2, to 5, 1913.

The falling of the random S. bdry. of T 16 N., R 2 E., being more than a mile north of the ^{old} cor. of Tps. 15 and 16 N., Rs. 1 and 2 E., and the field notes of the survey of the east boundary of T 16 N., R 2 E. showing this boundary to be less than 5 miles in length; therefore, in order that T 16 N., R 2 E. may have the required number of sections,

South boundary of T 16 N., R 2 E.

Chains. and at the same time avoid the possibility of a fractional township or an excessive number of lots along this line in T 15 N., R 2 E. on the north, when T 15 N., R 2 E. is surveyed. I begin at the cor. of Tps. 15 and 16 N., Rs. 1 and 2 E. and run, east, on a true line, on S. bdry. of T 16 N., R 2 E., setting regular $\frac{1}{4}$ sec. and sec. cors. at the proper distances, to an intersection with a continuation of the west boundary of T 16 N., R 3 E., where I set a cor. common to Tps. 15 and 16 N., Rs. 2 E. as follows:

April 10th At 9^h 01.^m a.m., l.m.t. I set off $34^{\circ}43\frac{1}{2}'$ N. on the lat. arc, $7^{\circ}54\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar at the cor. of Tps. 15 and 16 N., R 2 E. Thence I run, East, bet. secs. 6 and 31, Ascend along NW. slope of spur over stony mountainous land through pine and oak timber and dense oak brush undergrowth 4 ft. high.

14.20 Top of spur bears N 70° E. and S 70° W. thence along S. slope of spur ascending.

24.00 Begin descent over E. slope.

39.35 Foot of descent in dry ravine 20 lks. wide course S 20° W. asc. gradually.

66.90 Begin abrupt ascent over W. slope.

75.50 Foot of cliff 20 ft. high bears N 70° W. and S 70° E.

75.70 Top of cliff ascend gradually along S. slope of spur.

90.00 Summit of mountain bears N 60° W. and S 60° E. desc. over NE. slope.

109.70 Foot of descent in head of dry ravine course NW. asc.

116.90 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 31 in N. half and S 6 in S. half., from which

A pine, 18 ins. in diam., bears N. $4\frac{1}{4}^{\circ}$ E., 190 lks., dist., marked $\frac{1}{4}$ S. 31 BT. and

A pine, 18 ins. in diam., bears S. $15\frac{3}{4}^{\circ}$ E., 173 lks., dist., marked $\frac{1}{4}$ S 6 BT.

NOTE: At this cor. I set off $7^{\circ}57'$ N. on the decl. arc, and at noon observe the sun on the meridian, and obtain a reading of $34^{\circ}43\frac{1}{2}'$ N. on the lat. arc.

125.30 Top of spur bears NE. and SW. descend over SE. slope.

132.00 Foot of descent in W. edge of flat bears NE. and SW. thence over rolling adobe clay land.

156.90 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, 1913, T16N. in N., T15N. in S. and R2E. in W. half. S31 in NW., S32 in NE., S5 in SE. and S6 in SW. quadrant, from which

A juniper 10 ins. in diam., bears N 60° W., 237 lks., dist., marked T16N., R2E. S31. BT.

A pine 14 ins. in diam., bears N $62\frac{1}{2}^{\circ}$ E., 247 lks., dist., marked T16N., R2E. S32 BT.

A pine 20 ins. in diam., bears S $71\frac{1}{2}^{\circ}$ E., 186 lks., dist., marked T15N., R2E. S5 BT. and

A pine 12 ins. in diam., bears S 89° W., 196 lks., dist., marked T15N., R2E. S6 BT.

W. 132 chs. rugged mountains, spurs steep rocky with very little poor stony loam 4 to 6 ins. deep on decomposed shale rock, E. 23.90 chs. rolling SE. slope. soil black coarse adobe clay loam 2 ft. deep on clay subsoil. light growth pine and bunch grass. Timber oak, juniper and pine.

East, bet. secs. 5 and 32, Over rolling adobe land, on top of mountain, through scattering oak and pine timber and oak brush undergrowth 4 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 $\frac{1}{4}$ S32 in N. half and S5 in S. half, from which

A pine, 7 ins. in diam., bears North, 195 lks., dist., marked $\frac{1}{4}$ S32 BT.

A pine, 6 ins. in diam., bears S. $36\frac{1}{2}^{\circ}$ W., 110 lks., dist., marked $\frac{1}{4}$ S 5 BT.

April 10, 1913.

South boundary of T 16 N., R 2 E.

Chains	
	April 11 ⁹³ At 8 ^h 31 ^m a.m., l.m.t., I set off 34°45' N. on the lat. arc 8°16' ¹ N. on the decl. arc, and determine a meridian with the solar at the ^{ABOVE DESCRIBED} $\frac{1}{4}$ sec. cor. bet. secs. 5 and 32, Thence I continue my line, east, bet. secs. 5 and 32, on $\frac{1}{2}$ mile,
41.45	Telephone line from Electric Power transformer station to Jerome, Arizona, bears NE. and SW.
43.55	Electric Power line from Transformer station to Jerome, Arizona, bears NE. and SW.
43.75	Leave rolling land, bears N. and S., descend abrupt E. slope, over stony mountainous land.
58.65	Dry ravine, 15 lks. wide, course NE., ascend gradually over NW. slope of spur.
68.50	Old freight road from Prescott to Jerome, Arizona, bears NW. and SE., on top of spur bears N. and S. desc.
78.00	Set an iron post, 3 ft. long 3 ins. in diam. 24 ins. in the ground for witness cor. to cor. of secs. 4, 5, 32, and 33. which falls on unsafe ground on steep E. slope of spur., marked on brass cap WC. E. of center. T16N. in N., S 4. S 33 in E., T15N. in S., and R2E. in W. half. S32 in NW. and S5 in SW. quadrant. from which A pine 18 ins. in diam., bears N. 39 $\frac{1}{4}$ °W., 123 lks. dist. marked WC. T16N. R2E. S32 BT. A pine 17 ins. in diam., bears N. 85°E., 57 lks. dist., marked WC. T16 N., R2E. S32 BT. No other trees within limits.; Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
80.00	True point for cor. of secs. 4, 5, 32 and 33. W. 43.75 chs. rolling land S. slope; soil coarse black adobe clay loam 8 to 12 ins. deep, dry on clay subsoil, light growth pine grass. E. 36.25 chs. broken and mountainous drains N. spurs with light poor stony loam 2 to 8 ins. deep on clay and rock subsoil. Timber oak juniper, and pine.

	From true point for cor. of secs. 4, 5, 32, and 33, I run East, bet. secs. 4 and 33, Descend abrupt rocky NE. slope of spur, over mountainous land through scattering pine and juniper timber and dense oak brush undergrowth 4 ft. high.
4.50	Dry ravine, 30 lks wide, in bottom of canyon, 150 ft. deep, course N. 25°E., ascend abruptly over NW. slope of spur.
11.00	Top of spur 200 ft. above ravine bears N. and S. descend abrupt E. slope.
13.25	Telephone line bears N 20°E. and S20°W. from Prescott to Jerome Arizona.
13.95	Telephone line to Jerome Arizona bears N 20°E. and S 20°W.
17.85	Dry ravine 20 lks. wide in bottom of canyon 250 ft. deep course north. ascend abruptly over W. slope of spur.
38.00	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 $\frac{1}{4}$ S33 in N. half and S4 in S. half., from which A juniper, 8 ins. in diam., bears N. 47 $\frac{1}{2}$ °W., 123 lks. dist., marked $\frac{1}{4}$ S 33 BT. A pine, 24 ins. in diam., bears S. 32 $\frac{1}{2}$ °E., 189 lks. dist., marked $\frac{1}{4}$ S 4 BT.
	NOTE: At this cor. I set off 8°19' ¹ N. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 34.45' N. on the lat. arc
40.15	Top of spur, bears NW. and SE. desc. abruptly over E. slope.
44.55	Foot of descent, in head of ravine course N. asc. abruptly.
63.00	Top of ascent, on N. slope of Mingus Mountain, elevation 7600 ft. thence along N. face of mountain.
65.00	Begin abrupt descent, over NE. slope.
71.00	Foot of descent, in head of ravine, course N. asc.
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 ¹⁹¹³ T16N. in N., T15N. in S. and R2E. in W. half. S33 in NW. S34 in NE., S3 in SE. and S4 in SW. quadrant., from which A pine, 9 ins. in diam., bears N. 18°W., 98 lks. dist., marked T16N. R2E. S33 BT.

South boundary of T 16 N., R 2 E.

Chains. No other trees within limits.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
Land high rugged mountains, spurs steep covered with loose shale rock with very little poor worthless soil. light growth pine and bunch grass. Timber oak, juniper, and pine.

East, bet. secs. 3 and 34,
Ascend abrupt NW. slope of spur, over stony mountainous land through scattering pine and oak timber and brush.
5.15 Top of spur, bears NE. and SW., descend abruptly over SE. slope
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 S 34 in N. half and S 3 in S. half., from which
A pine, 6 ins. in diam., bears S. $11\frac{1}{2}^{\circ}$ W., 140 lks. dist., marked S 3 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.
45.15 Dry ravine, 20 lks. wide course N 30° E. asc. over N. slope of point of spur.
60.00 Dry ravine, 20 lks. wide course north. ascend abruptly.
72.75 Top of spur, bears NW. and SE. descend abruptly.
80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 2, 3, 34, and 35., marked on brass cap ¹⁹¹³ T16N. in N., T15N. in S., and R2E. in W. half, S34 in NW, S35 in NE, S2 in SE. and S3 in SW. quadrant, from which,
A pine, 5 ins. in diam., bears N. 31° W., 72 lks. dist., marked T16N., R2E. S34 BT.; No other trees within limits.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land high rugged mountains, drains NE., spurs abrupt covered with loose boulders, with scarcely any soil. light growth pine and bunch grass. Timber oak juniper and pine.

April 11, 1913.

April 12¹⁹¹³ At 9^h 01^m a.m., l.m.t. I set off $34^{\circ}45'$ N. on the lat. arc, $8^{\circ}39'$ N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 2, 3, 34, and 35, above described, Thence I run,
East, bet. secs. 2 and 35,
Descend E. slope of spur over stony mountainous land, through scattering pine and juniper timber and oak brush 4 ft. high. exceptionally difficult to survey.
1.00 Dry ravine 20 lks. wide course north. ascend abruptly.
17.80 Top of spur bears N 20° E. and S 20° W. desc. along S. slope of spur bears N. 80° 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 ¹⁹¹³ S35 in N. half and S. 2 in N. half. 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.
71.40 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, ¹⁹¹³ T16N. in N.; T15N. in S., and R2E. in W. half. S35 in NW., S36 in NE., S1 in SE. and S2 in SW. quadrant. ; No trees within 1 limits.; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land rugged mountains. slopes of spurs steep with poor worthless stony soil, light growth pine and bunch grass. Timber oak, juniper, and pine.

East, bet. secs. 1 and 36,
Descend abruptly along N. slope of spur over stony mountainous land through dense oak and manzanita brush 6 to 8 ft. high.
3.60 Water service pipe line to Jerome Arizona, bears NW. and SE.

South boundary of T 16 N., R 2 E.

Chains.

- 9.36 Intersect west end line of the Exchange Lode claim, Survey No.1544., 41 lks., S. 10°35'E. of cor. No.4
- 13.00 Foot of abrupt descent, thence along N. slope descending gradually.
- 29.25 Foot of descent in head of dry ravine course NW. asc.
- 29.60 Telephone line to Jerome Junction bears NW. and SE.
- 30.42 Intersect the east end line of the Exchange Lode claim, Survey No.1544. 213 lks. S. 10°35'E. of cor. No 3.
- 31.02 Intersect the west side line of the Pastime Lode claim, Survey No.1544. 9.94 chs. S. 7°06'E. of cor. No.1.
- 31.30 Top of spur bears NE. and SW. descend abruptly over E. slope
- 38.24 Intersect the east side line of the Pastime Lode claim, which is identical with the west side line of the Treadwell Lode Claim, Survey No.1544, 6.22 chs. N. 7°06'E. of cor. No.2 of the Treadwell claim.
- 39.00 Pack trail bears N. and S.
- 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 S36 in N. half and S 1 in S. half.; Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.; Pits impracticable.
- 44.24 Intersect the east side line of the Treadwell Lode claim, Survey No.1544. 3.99 chs. N 3°13'E. of cor. No.3.
- 59.80 Intersect the north end line of the Silver Plate Lode claim Survey No.1155. 197 lks. S 54°45'W. of cor. No.2.
- 61.40 Intersect the east side line of the Silver Plate Lode Claim 115 lks. S 0°49'W. of cor., No.2.
- 65.96 Intersect the west side line of the South Plat Lode claim, Survey No.1166. 7.69 chs. S47°06'W. of cor. No.1.
- 68.65 Dry ravine 10 lks. wide course north. asc.
- 74.30 Top of spur bears NE. and SW. desc. SE. slope.
- 77.40 Intersect the east side line of the South Plat Lode claim 9 lks. S 47°06'W. of cor. No.1.
- 80.00 Intersect the east boundary of the South Plat boundary of T 16 N., R.2 and 3 E., heretofore described.
- 80.00 A point. 92.90 chs. South of the ¹⁹¹³ cor. of Tps. 15 and 16 N., R.2 and 3 E., heretofore described.
- Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for ¹⁹¹³ cor. of Tps. 15 and 16 N., R.2 E., marked on brass cap ¹⁹¹³ R3E., T16N. S31., T15N. S6 in E., and R2E. in W. half T16N., S36 in NW., and T15N., S1 in SW. quadrant. from which A cedar, 7 ins. in diam., bears S. 43 $\frac{1}{2}$ °W., 105 lks. dist., marked T 15 N., R 2 E., S 1 BT. No other trees within limits.
- Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.; Pits impracticable.
- Land broken and mountainous drains to the east. soil worthless stony clay loam 2 to 6 ins. deep on decomposed porphyry shale rock. very little grass. Timber scattering cedar and oak.

At the $\frac{1}{4}$ sec. cor. bet. secs. 1 and 36, I set off 8°41 $\frac{1}{2}$ ' N. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of 34°43 $\frac{1}{2}$ ' N. on the lat. arc.

April 12, 1913.

Sidney E. Blunt
U. S. Surveyor

Survey and Resurvey of the East Boundary of T 16 N., R 2 E.
Chains.

From the cor. of Tps. 15 and 16 N., R. 2 E., recently established by me, I run, North, on a true line, on the east boundary of T 16 N., R 2 E., setting cors. common to two secs. for T. 16 N., R2E. to an intersection with the old cor. of Tps. 15 and 16 N., Rs. 2 and 3 E., which I change from a cor. common to four Tps. to a cor. common to two Tps. ^{on the East} thence I retrace and resurvey the remainder of the E. bdry. of T 16 N., R2E. setting cors. common to two secs. for T 16 N., R 2 E. and change the old cors. along this line from cors. common to four to cors. common to two secs. for the Tp. on the east. as follows:

- April 14¹⁹¹³ At 8^h 00.^m a.m., l.m.t. I set off $34^{\circ}43\frac{1}{2}'$ N. on the lat. arc, $9^{\circ}21\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar at the ^{REESTAB.} cor. of Tps. 15 and 16 N., Rs. 2 E. ^{heretofore described.} Thence I run, over unsurveyed line North, on E. bdry. of T 16 N., R 2 E. Ascend SE. slope of spur over mountainous land, through dense oak brush undergrowth.
- 3.50 Top of spur bears NE. and SW. desc. abruptly.
14.90 Dry ravine 15 lks. wide course east.
19.00 Dry ravine 10 lks. wide course east. ascend abruptly.
23.70 Top of spur bears E. and W. desc. abruptly.
29.45 Dry ravine 15 lks. wide course NE. thence E. asc.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ^{REESTAB.} $\frac{1}{4}$ sec. cor. sec. 36^{16 N., R2E.}, marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S 36 in W. half.
from which
A cedar, 5 ins. in diam., bears N. $75\frac{3}{4}^{\circ}$ W. 119 lks. dist., marked $\frac{1}{4}$ S 36 BT. No other trees available.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
- 48.90 Top of spur bears W. and SE. desc.
73.40 Dry ravine 15 lks. wide course SE. asc. abruptly.
80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for ^{REESTAB.} cor. of secs. 25 and 36, ^{16 N., R2E.} marked on brass cap, 1913; T16N., S31., T16N., S6 R3E. in E., R2E. in W. half, T16N., S25 in NW. and S36 in SW. quadrant.; Raise a mound of stone 2 ft base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
Land high mountain ridges and spurs; soil light poor stony clay loam 4 to 12 ins. deep, dry on clay and decomposing shale subsoil. Light growth bunch grass. No timber.

-
- North, on E. bdry. of sec. 25, over unsurveyed line
Ascend S. slope of spur, over stony mountainous land, through scattering oak brush undergrowth.
- 3.15 Top of spur, bears NW. and SE. desc.
12.90 Intersect the old cor. of Tps. 15 and 16 N., Rs. 2 and 3 E.
I change this cor. from a cor. common to four Tps. to a cor. common to Tps. 15 and 16 N., R 3 E. Thence I run, North, on random line on W. bdy. of sec. 31. and at 40.05 chs., fall 35 lks. W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 31 and 36. ^{heretofore} true course & dist. of the $\frac{1}{2}$ of W. bdy. of sec. 31, T16N., R3E. is N. $0^{\circ}4'E$, 40.05 chs.
I begin from the ^{REESTAB.} $\frac{1}{4}$ sec. cor. just found, I run North on random line; and at 39.93^{ch} fall 37 lks. W. of the old cor. of secs. 25, 30, 31, and 36. ^{heretofore} true course & dist. of $\frac{1}{2}$ of W. bdy. of sec. 31, T16N., R. 3E. is the ^{heretofore} N. $0^{\circ}6'E$, 39.93 chs.
From the old cor. of secs. 25, 30, 31, and 36, I run North on random line, on W. bdy. of sec. 30.; at 40.64 chs. fall 34 lks. W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30, ^{heretofore} true course & dist. of $\frac{1}{2}$ of W. bdy. of sec. 30, T16N., R3E. is N. $0^{\circ}3'E$, 40.64 chs. $0^{\circ}03'W$.
I begin from the old $\frac{1}{4}$ sec. cor. just found I run North on random line, North, on W. bdy. of sec. 30, and at 39.62^{ch} fall 38 lks. W. of the old cor. of secs. 19, 24, 25, and 30, ^{heretofore} true course & dist. of $\frac{1}{2}$ of W. bdy. of sec. 30, T16N., R. 3E. is N. $0^{\circ}7'E$, 39.62 chs.

I now return to the cor. of Tps. 15 and 16 N., R. 3 E., ^{heretofore described.}
Thence I continue, measuring from reestab. cor. of secs. 25 and 36, T16N., R2E. N. $0^{\circ}04'E$, on a true line, on E. bdy. of sec. 25, T16N., R2E. Descend N. slope, over stony mountainous land, through dense oak brush undergrowth.

Resurvey of the E. bdry of T 16 N., R 2 E.

Chains.

- 16.60 Dry ravine 15 lks. wide course SE. asc. abrupt S. slope.
 18.60 Old wood road bears E. and W.
 21.60 Telephone line bears E. and W.
 24.90 Top of spur bears E. and W. descend steep N. slope.
 34.90 Dry ravine 10 lks. wide course N 70° E. asc.
 37.80 Top of spur bears N 70° E. and S 70° W. desc. abruptly.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. ^{SEC. 25} marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S 25 in W. half. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
 46.30 Dry ravine 20 lks. wide course N. 65° E. asc.
 52.25 Top of spur bears E. and W. desc. abruptly.
 52.95 Intersect the old $\frac{1}{4}$ sec. cor. bet. secs. 31 and 36, which is a lime stone 16x8x6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I change this cor. from a ^{1/4} ^{SEC.} cor. common to two secs. to a quarter ^{SEC.} cor. referring to sec. 31 ^{T. 16 N., R. 3 E.} only. Thence I run, continuing measurement N. 0° 06' E., on a true line, on E. bdry of sec. 25, T. 16 N. R. 2 E.
 59.45 Dry ravine 20 lks. wide course east. ascend very abruptly over S. slope.
 78.60 Top of spur bears N. 60° W. and S 60° E. desc.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for ^{REESTAB.} cor. of secs. 24 and 25, ^{T. 16 N., R. 2 E.} marked on brass cap, 1913; T. 16 N. in N., R. 3 E. S. 30., S. 31 in E., and R. 2 E. in W. half. S. 24 in NW. and S. 25 in SW. quadrant. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.; Pits impracticable. Land rugged mountains, drains to the east; spurs steep washed on slopes, soil poor stony loam 4 to 8 ins. deep on clay and loose boulder subsoil, light growth bunch grass. No timber.

- N. 0° 06' E., on a true line, on E. bdry. of sec. 24, T. 16 N. R. 2 E.
 Descend abrupt N. slope of spur, over stony mountainous land through dense undergrowth.
 2.90 Electric power line from Fossil Creek to Jerome Arizona, bears E. and W.
 7.00 Dry ravine 15 lks. wide course E. ascend abruptly.
 12.35 Top of spur bears E. and W. desc. stony N. slope.
 12.88 Intersect the old cor. of secs. 25, 30, 31, and 36., which is a sand stone 10x8x8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I change this cor. from a cor. common to 4 secs. to a cor. common to ^{secs. 30 and 31} T. 16 N., R. 3 E. ^{ONLY}. Thence I run, continuing measurement, N. 0° 03' E., on a true line, on E. bdry of sec. 24, T. 16 N. R. 2 E.
 19.10 Dry ravine, 20 lks. wide, course E. ascend abruptly.
 25.95 Telephone line, to Jerome, Arizona, bears E. and W.
 28.95 Top of stony spur, bears E. and W., desc. abruptly.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. ^{FOR SEC. 24} marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S 24 in W. half. ; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.; Pits impracticable.

Note: April 14: At the cor. of Tps. 15 and 16 N., R. 3 E., I set off 9° 24' N. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of 34° 44' N. on the lat. arc.

April 14, 1913.

- April 15 ¹⁹¹³: At 7 ^h 30 ^m a.m., l.m.t. I set off 34° 45' N. on the lat. arc, 9° 43' N. on the decl. arc and determine a meridian, with the solar at the ^{REESTAB.} $\frac{1}{4}$ sec. cor. on E. bdry. of sec. 24, ^{hereinbefore described}. Thence I continue true line & measurement N. 0° 3' E., on E. bdy. sec. 24, T. 16 N. R. 2 E.
 47.25 Dry ravine 25 lks. wide course N 60° E.
 53.52 Intersect the old $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30., which is a lime stone 10x6x8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I change this cor. from a quarter ^{SEC.} cor. common to two secs. to a $\frac{1}{4}$ sec. cor. referring to sec. 30, T. 16 N., R. 3 E. ^{ONLY}; thence I run, continuing measurement

Resurvey of the East boundary of T 16 N., R 2 E.

Chains. N. 0°07'E, on a true line, on E. bdry. of sec. 24, T. 16 N., R. 2 E. $\frac{1}{2}$ mile.
 55.40 Top of spur bears E. and W. desc.
 60.80 Dry ravine 10 lks. wide course NE. thence E. asc.
 65.00 Dry ravine 15 lks. wide 6 ft. deep course E. asc.
 70.60 Top of spur bears E. and W. desc.
 75.10 Road from Camp Verde to Jerome Arizona bears E. and W.
 78.00 Dry ravine 25 lks. wide course E. ascend gradually.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for ^{REESTAB.} cor. of secs. 13 and 24, ^{T. 16 N., R. 2 E.} marked on brass cap, 1913; T. 16 N. in N. R. 3 E. S. 19., S. 30 in E., and R. 2 E. in W. half. S. 13 in NW. 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 mountainous; soil worthless stony loam 4 to 6 ins. deep on clay and limestone shale subsoil., light growth bunch grass. No timber.

N. 0°07'E, on a true line, on E. bdry. of sec. 13, T. 16 N., R. 2 E.
 Ascend gradually over stony, land, through greasewood brush undergrowth 4 ft. high.

2.80 Road from Clarkdale to Jerome, Arizona, bears E. and W.
 5.20 Ridge bears NE. and SW. desc.
 6.25 Road from Clarkdale to Jerome, Arizona, bears N. 80°E. and S. 80°W.
 10.30 Road to Jerome, Arizona, bears E. and W.
 13.14 Intersect the old cor. of secs. 19, 24, 25, and 30., which is a lime stone 12x6x6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General. I change this cor. from a cor. common to four secs. to a cor. common to ~~secs. 19 and 30~~, T. 16 N., R. 3 E. ^{THESE RUN NORTH ON RANDOM LINE,} on W. bdry. of sec. 19.; At 39.99 ^{chs.} fall 08 lks. W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 19 and 24. Therefore true course & dist. of $S\frac{1}{2}$ of W. bdy. of sec. 19, T. 16 N., R. 3 E. is N. 0°07'E; 39.99 chs.
 I begin from the old $\frac{1}{4}$ sec. cor. just found, run North on random line, and at 40.25 chs. fall 07 lks. W. of the old cor. of secs. 13, 18, 19, and 24. Therefore true course & dist. of N. $\frac{1}{2}$ of W. bdy. of sec. 19, T. 16 N., R. 3 E. is N. 0°16'E; 40.25 chs. 0°06'W.

From the old cor. of secs. 13, 18, 19, and 24, run North on random line, on W. bdry. of sec. 18.; At 39.90 chs. fall 05 lks. W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18. Therefore true course & dist. of $S\frac{1}{2}$ of W. bdy. of sec. 18, T. 16 N., R. 3 E. is N. 0°04'E; 39.90 chs. 0°04'W.

From the old $\frac{1}{4}$ sec. cor. just found, run North on random line, on W. bdry. of sec. 18., and at 39.69 chs., fall 14 lks. W. of the old cor. of secs. 7, 12, 13, and 18. Therefore true course & dist. of N. $\frac{1}{2}$ of W. bdy. of sec. 18, T. 16 N., R. 3 E. is N. 0°12'E; 39.69 chs. 13. S. 0°18'W.

From the old cor. of secs. 7, 12, 13, and 18, run North on random line, on W. bdry. of sec. 7.; At 40.05 chs. fall 06 lks. W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 7 and 12. Therefore true course & dist. of $S\frac{1}{2}$ of W. bdy. of sec. 7, T. 16 N., R. 3 E. is N. 0°05'E; 40.05 chs. S. 0°05'W.

From the old $\frac{1}{4}$ sec. cor. just found, run North on random line, north on W. bdry. of sec. 7. and at 33.27 chs. fall 05 lks. W. of the ^{OLD} closing cor. of Tps. 16 N., R. 2 and 3 E. Therefore true course & dist. of N. $\frac{1}{2}$ of W. bdy. of sec. 7, T. 16 N., R. 3 E. is N. 0°05'E; 33.27 chs. S. 0°05'W.

Having completed the retracement of the west boundary of T 16 N., R 3 E. and determined the course and length of the several half miles along the line, I return to the ^{REESTAB.} cor. of secs. 13 & 24, T. 16 N., R. 3 E. ^{herein before described} thence I run, continuing measurement from reestab. cor. of secs. 13 & 24, N. 0°07'E, on a true line, on the E. bdry. of sec. 13, T. 16 N., R. 2 E.

15.60 Foot of descent enter rolling land, bears NE. and SW.
 19.55 Old road bears E. and W. leads ^{to} RR. grading camp.
 21.55 Dry ravine 60 lks. wide course E. thence NE. asc.
 25.45 Telephone line from Clarkdale to Jerome Arizona bears NE. and SW.
 25.50 Top of low ridge bears E. and W. desc.
 29.35 Dry ravine 10 lks. wide course NE. asc.
 36.35 Top of ridge bears NE. and SW. desc.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam. 26 ins. in the ground, for ^{REESTAB.} $\frac{1}{4}$ sec. cor. ^{sec. 13} marked on brass cap ¹⁹¹³ S 13 in W. half.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 43.60 Dry ravine 25 lks. wide course NE. asc.

Resurvey of the East boundary of T 16 N., R 2 E.

Chains.

- 53.13 Intersect the old $\frac{1}{4}$ sec. cor. bet. secs. 19 and 24., which is a lime stone in place 12x10x6 ins. above ground, marked and witnessed as described by the surveyor general. I change this cor. from a quarter ^{sec.} cor. common to two secs. to a quarter ^{sec.} cor. referring to sec. 19, T. 16 N., R. 2 E. only. Thence I run, continuing measurement, N. 0° 06' E., on E. bdy. of sec. 13, T. 16 N., R. 2 E.,
- 54:80 TOP OF RIDGE BEARS NE. AND SW. DESC.
- 62.00 Dry ravine 10 lks. wide course NE. asc.
- 65.00 Old road to Jerome Arizona bears E. and W.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for ^{REESTAB.} cor. of secs. 12 and 13, ^{T. 16 N., R. 2 E.} marked on brass cap ^{19/31} T. 16 N. in N. R. 3 E. S. 18., S. 19 in E., and R. 2 E. in W. half S. 12 in NW. 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 hilly prairie NE. slope. soil stony clay loam, dry, 3 to 10 ins. deep on dry clay and limestone shale subsoil, light growth bunch grass. No timber.

- N. 0° 06' E., on a true line, on E. bdy. of sec. 12, T. 16 N., R. 2 E. Over rolling stony land, through scattering greasewood brush undergrowth 3 ft. high.
- 13.38 Intersect the old cor. of secs. 13, 18, 19, and 24., which is a granite stone 16x9x8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I change this cor. from a cor. common to four secs. to a cor. common to ~~secs. 18 and 19~~ T. 16 N., R. 3 E. only. Thence I run, N. 0° 04' E., on a true line, on E. bdy. of sec. 12, continuing measurement
- 22.40 Enter dry ravine, course NE.
- 27.70 Leave ravine, course E., ascend S. slope of ridge over hilly land.
- 34.40 Top of ridge, bears NE. and SW., desc.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ^{REESTAB.} ~~sec. 12~~ ^{sec. 12} marked on brass cap ^{19/31} S. 12 in W. half.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- 49.60 Dry ravine, 40 lks. wide course SE. asc. gradually.
- 53.28 Intersect the old $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18., which is a lime stone 12x10x6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I change this ~~old $\frac{1}{4}$ sec. cor. to refer to sec. 13~~ T. 16 N., R. 3 E. only. Thence I run, continuing measurement, N. 0° 12' E., on E. bdy. of sec. 12, T. 16 N., R. 2 E. the east.
- 66.90 Leave hilly land bears NE. and SW., ascend abrupt rocky SE. slope over mountainous land.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for ^{REESTAB.} cor. of secs. 1 and 12, ^{T. 16 N., R. 2 E.} marked on brass cap, ^{19/31} T. 16 N. in N., R. 3 E. S. 7. S. 18 in E., and R. 2 E. in W. half. S. 1 in NW. and S. 12 in SW.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- S. 67 chs. rolling and hilly prairie E. and SE. slope; soil sandy and stony clay loam 6 to 10 ins. deep dry, on clay and limestone shale subsoil, light growth bunch grass. N. 13 chs. mountainous, spurs steep, with very little poor stony loam on ledges of limestone. No timber.

- N. 0° 12' E., on a true line, on E. bdy. of sec. 1, T. 16 N., R. 2 E. Ascend abrupt rocky SE. slope of spur over mountainous land. through greasewood brush undergrowth and scattering cedar timber.
- 12.97 Intersect the old cor. of secs. 7, 12, 13, and 18., which is a lime stone 10x8x7 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I change this cor. to refer to secs. 7 and 13, T. 16 N., R. 3 E. only. Thence I run, continuing measurement, N. 0° 5' E., on true line on E. bdy. of sec. 1, T. 16 N., R. 2 E.
- 21.50 Top of abrupt ascent on mesa, thence over broken stony mesa land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ^{REESTAB.} ~~sec. 1~~ ^{sec. 1} marked on brass cap ^{19/31} S. 1 in W. half and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees suitable for bearing trees within limits. Pits impracticable.

Resurvey of the East boundary of T 16 N., R 2E.

Chains.

- 53.02 Intersect the old $\frac{1}{4}$ sec.cor., bet.secs.7 and 12., which is a lime stone 18x10x7 ins.above ground, firmly set, marked and witnessed as described by the surveyor general. I change this $\frac{1}{4}$ sec.cor.to refer to sec.7, T16 N., R2E only to the cor. to a quarter^{sec} cor.corner to one sec.for the T16 N., R2E east.
- 56.00 Top of high ridge, bears E.and W. desc N.slope.
- 70.70 South edge of canyon descend abruptly.
- 80.40 Dry ravine at foot of descent in canyon 150 ft.deep course east.ascend abrupt S.slope.
- 86.29 Intersect the ^{old} closing cor.of Tps.16 N.,Rs.2 and 3 E., which is a lime stone 10x8x7 ins.above ground, firmly set, marked and witnessed as described by the surveyor general. From the closing cor.of Tps.16 N.,Rs.2 and 3 E., The Standard cor.of secs.31 and 32 T17N.,R3E.bears East, 13.45 chs.dist. Land rough mountains.soil worthless dry sandy loam 3 to 10 ins.deep on limestone ledges., light growth bunch grass. Timber cedar.

NOTE:— This 15 th.day of April, 1913. I set off $9^{\circ}46'N.$ on the decl. arc and at noon observe the sun on the meridian at the cor.of secs.12 and 13.on E.bdry.of T16N.,R2E., and obtain a reading of $34^{\circ}47'N.$ on the lat.arc.

April 15, 1913.

General Description.

Township 16 N., R 2 W. is for the most part a rugged mountain^{ous} country with very little good land and scarcely any timber or water and is practically worthless for agricultural purposes.

Township 16 N., R 3 E. however has some good land along the Verde River which flows through the central portion of this township.

Sidney E. Blout
U.S. Surveyor.

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, 1914

The foregoing field notes of the survey of the South Boundary & part of E.bdy. and Resurvey of part of the East Boundary of Township No.16 North, Range No.2 East of the Gila and Salt River Base and Meridian Arizona

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 & re surveys they describe, are hereby approved.

Frank S. Sigalla
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.