

3659

Book "B"
4-679

BOOK 3659

49

BOOK 3659 FIELD NOTES

OF THE SURVEY OF THE

Third Standard Parallel North, thru. fracl. Range 1 1/2 East,

East, West and North boundaries, and

Subdivision lines of

FRACTIONAL TOWNSHIP 13 NORTH, RANGE 1 1/2 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Benjamin J. Kinsey, U.S.T.

and

Ty White, U. S. T.

In the capacity of U. S. Surveyors, under Special Instructions dated May 26, 1922, issued by the United States Surveyor General to govern surveys included in Group No. 120, Arizona, which were approved by the Commissioner of the General Land Office, June 23, 1922, and Assignment Instructions dated May 26, 1926.

Survey commenced June 7, 1923.

Survey completed July 10, 1923.

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1A

BOOK 3659

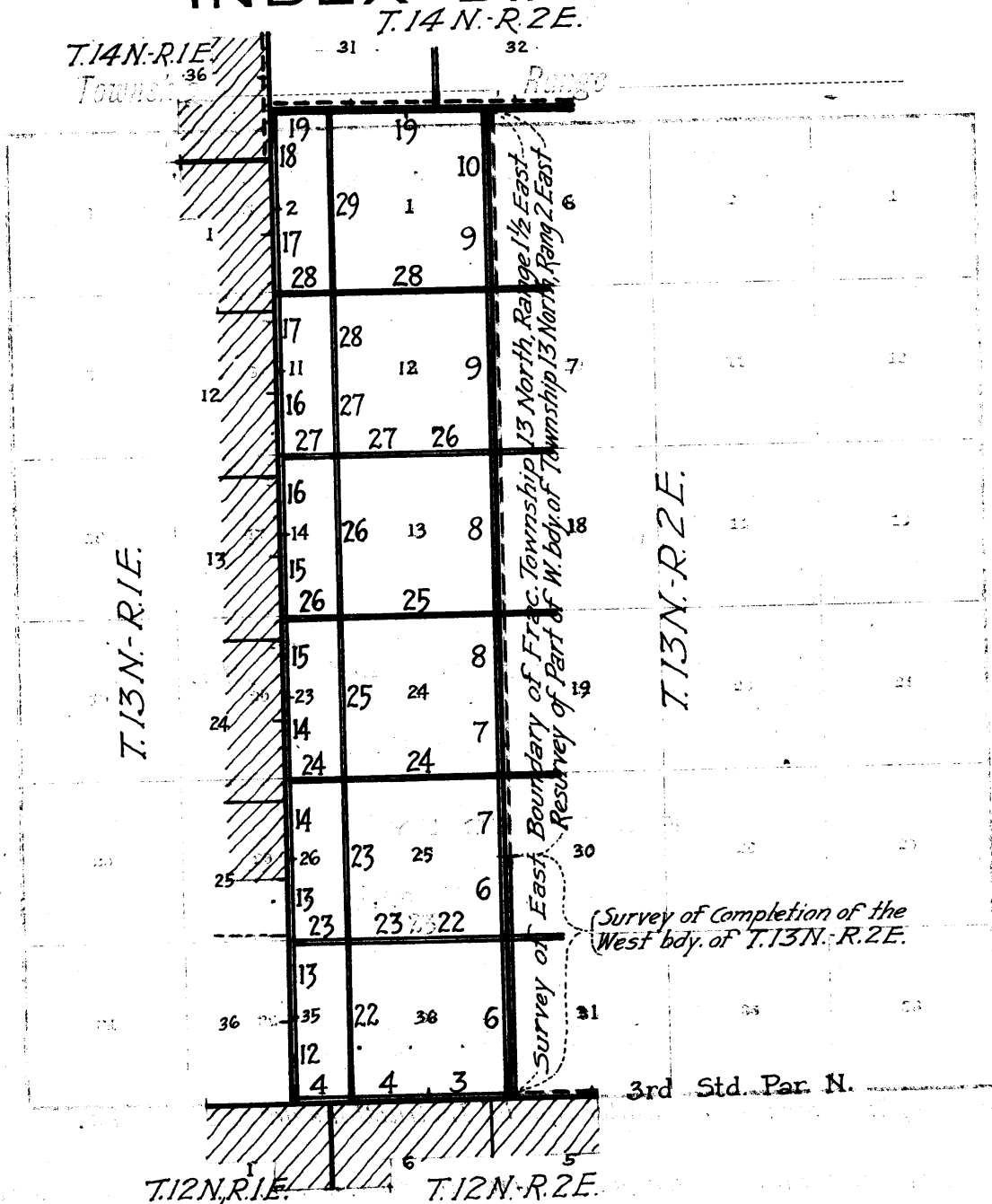
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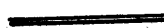



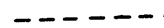
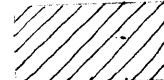
Book "B"

Group 120 - Arizona

FRACTIONAL TOWNSHIP 13 NORTH
RANGE 1 1/2 EAST

INDEX DIAGRAM.



-  Lines surveyed under this group.
-  Lines resurveyed under this group.
-  Lines surveyed for reference one side and resurveyed for reference to the other.
-  Accepted surveys.
-  Unsurveyed.
-  Areas surveyed as per accepted plats on file.

Book "B"

Group 120 - - -Arizona.

Frac. Township 13 North, Range 1 1/2 East.

DATE DIAGRAM.

1923.

Resurvey of S.bdy. of T.14 N., R.2 E.
 Survey of N.bdy. of frac. T.13 N., R.1 1/2 E.

	6-15-23 2 7-6-23	6-15 6-9-23 1 7-10-23
	7-10-23	7-9-23
	7-6-23 11 7-5-23	7-7-23 12 7-7-23
	6-29-23 14 7-5-23	7-5-23 13 6-26-23
	6-29-23 23 6-29-23	6-29-23 24 6-26-23
	6-28-23 26 6-28-23	6-28-23 25 6-25-23
	6-28-23 35 6-27-23	6-28-23 36 6-27-23

Survey of the East bdy. of frac. Township 13 North, Range 1 1/2 East
 Survey & Resurvey of West bdy. of Township 13 North, Range 2 East.

3rd Std. Par. N.

- Indicates lines surveyed by Benjamin J. Kinsey, U.S.T. on dates shown thereon.
- Indicates lines surveyed by Ty White, U.S.T. on dates shown thereon,
- Indicates accepted surveys.

The surveys hereinafter described were executed on dates shown on diagram on page 1 hereof, by Benjamin J. Kinsey and Ty White, U.S. Transitmen, using respectively Buff "Rocky Mountain Favorite" solar transit No. 9940, with U-shaped standards, 4½ in. horizontal circle, 4 in. vertical circle, and improved Smith solar attachment; and Young and Sons transit No. 8540 with full vertical circle and Smith solar attachment; unless otherwise specified all azimuth determinations are accomplished with the solar attachments.

June 4, 1923: We examine the adjustment of each transit, and correct all errors; then, to test the solar apparatus by comparing its indications during the a.m. and p.m. hours, with a meridian established by Polaris observation, proceed with each instrument as follows:

At camp, near the cor. of secs. 16, 17, 20 and 21, T. 13 N., R. 2 E., Gila and Salt River Base and Meridian, Arizona, in latitude $34^{\circ}40'N.$; longitude $112^{\circ}8\frac{1}{2}'W.$, at 2h.50m. a.m., 1.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and marking the mean point in the line thus determined by a tack in a stake driven firmly in the ground about 5 chs. N. of the instrument.

Azimuth of Polaris at eastern elongation = $1^{\circ}20'54''$.

June 5, 1923: Lay off the azimuth of Polaris $1^{\circ}21'$ to the west, and mark the meridian thus determined by a tally pin set in a stake driven firmly in the ground about 7 chs. N.

At 9h.00m. a.m., 1.m.t., set off $34^{\circ}40'N.$ on the latitude arc, and $22^{\circ}29\frac{1}{2}'N.$ on the decl. arc, and determine a meridian with the solar which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is $22^{\circ}30'N.$, which agrees with the computed decl. of the sun.

At 3h.00m. p.m., 1.m.t., with the lat. arc unchanged, set off $22^{\circ}31'N.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the observations made with both instruments during the usual hours of solar work come within $1'30''$ of the true meridian, we conclude that the adjustment of the instruments is satisfactory.

All measurements are made with Lufkin steel tapes 5 chs. in length compared with a Chesterman standard steel tape and found correct. All measurements are made on the slope, vertical angles determined with clinometer, and the slope measurements properly reduced to true horizontal distances.

Survey of the 3rd. Std. Parallel North, thru. Frac. Range 1 1/2 East. 3

Chains.

The Resurvey of the 3rd Standard Parallel North, thru. part of Range 2 East, as described in Book "A" of this group resulted in a portion of the parallel 105.94 chs. in length, forming the south bdy. of a fractional township situated between Ts. 13 N., Rs. 1 and 2 E. This fractional township is now designated as frac. T. 13 N., R. 1 1/2 E., and as no standard cors. having a reference to such township have ever been established on the Parallel, the line thru. frac. Range 1 1/2 East is technically unsurveyed.

The following notes describe a survey of the Parallel thru. frac. Range 1 1/2 E., on the bearings determined by retracement as described in Book "A" of this group.

From the original std. SE. cor. of frac. T. 13 N., R. 1 1/2 E., and reestablished std. SW. cor. of T. 13 N., R. 2 E.; described in Book "A,"

N. 89° 57' W., on true line, on S. bdy. of sec. 36.

Over mountainous land, thru. very scattering timber and undergrowth.

10.66 Ascend 62 ft., over E. slope, to intersect the original closing cor. of secs. 5 and 6, T. 12 N., R. 2 E., which is a volcanic stone 10x12x8 ins. above ground, firmly set properly marked and witnessed by a mound of stone S. of cor. No bearing trees. Continue line and measurement.

10.74 Ascend slightly over E. slope, to intersect the std. cor. of secs. 31 and 32, T. 13 N., R. 2 E., reconstructed in original position by J. F. Hesse, U.S. D.S. in 1910, which is a granite stone, 8x10x14 ins. above ground, firmly set, marked SC on N. face, 5 grooves on E. face, and 1 groove on W. face, and witnessed by a mound of stone, N. of cor. No bearing trees. Alter this sec. cor. monument to an angle point by chiseling "AP" on N. face of stone.

Continue line and measurement.

15.00 Ascend 12 ft., over E. slope.

Ridge, brs. N. and S.

24.10 Descend 114 ft., over W. slope.

Rocky wash, 20 lks. wide, course S.

25.47 Ascend 266 ft., over E. slope.

Intersect E. side line (1-2) of Iowa patented lode mining claim, Mineral survey No. 2959, at a point 1.03 chs. N. 12° 26' W., from cor. No. 1 thereof. Thence across patented mining claims.

38.60 Narrow jagged ridge, brs. N. and S.

40.00 Descend 43 ft., over W. slope, to

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone for std. cor. of sec. 36, frac. T. 13 N., R. 1 1/2 E., with brass cap, marked

S. C.
1/2 S 36
1923

from which,

A cedar, 12 ins. in diam., brs. N. 7 1/2° E., 138 lks. dist., marked SC 1/2 S 36 BT.

No other bearing tree available.

Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor. From this cor.,

U.S.L.M. No. 1694, which is a cross (x), and 1694 USLM cut in quartzite ledge, brs. N. 79° 10' W., 20.02 chs. dist.

Continue across patented mining claims.

50.30 Descend 299 ft., over W. slope.

Rocky wash, 30 lks. wide, course S.

Ascend 6 ft., over E. slope, to

BOOK 3659

Survey of 3rd Std. Parallel N. thru. frac. Range 1 $\frac{1}{2}$ East.

Chains.

50.92 Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 31, T.13 N., R.2 E., re-established in 1917 by G.F. Rigby, U.S.S., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap for reference to quarters of said sec., and witnessed by a mound of stone N. of cor. No bearing trees.
Alter this cor. monument to an Angle Point by changing the markings on brass cap to read:

S C
A P
1917-23

58.00 Ascend 210 ft., over E. slope.
Ridge, brs. N. and S.
From this point,
Ancient cliff dwellings in good state of preservation brs. N. about 2.50 chs. dist.
Descend 137 ft., over W. slope.
65.00 Wash, 100 lks. wide, course S.
Ascend 77 ft., over steep E. slope.
68.23 Intersect W. side line (4-5) of Tennessee patented lode mining claim, Mineral Survey No. 3410, at a point 2.92 chs. S. 4°13'E. from cor. No. 5 thereof. Leave patented mining claims.
75.80 Ridge, brs. N. and S.
Descend 214 ft., over steep W. slope to sec. cor. point.
79.25 Set an iron post 3 ft. long, 2 ins. in diam., 26 ins. in the ground for witness cor. to std. cor. of secs. 35 and 36, frac. T.13 N., R.1 $\frac{1}{2}$ E., with brass cap, marked

S | C
W | C
T13N | R1 $\frac{1}{2}$ E
S35 | S36

1923

from which,
An oak, 5 ins. in diam., brs. N. 58°W., 31 lks. dist., marked SCWCT13NR1 $\frac{1}{2}$ E S35BT.
No other bearing trees available.

80.00 Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor. True point for std. cor. of secs. 35 and 36, frac. T.13 N., R.1 $\frac{1}{2}$ E. falls in wash, 50 lks. wide, course S., where it would be impracticable to set monument; therefore establish W.C. at 0.75 chs. S. 89°57'E., as described above.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, juniper, oak and mesquite.
Undergrowth, scrub oak, catclaw, buckbrush and cactus.

From true point for std. cor. of secs. 35 and 36, N. 89°57'W., on true line, on S. bdy. of frac. sec. 35. Over mountainous land, thru. very scattering timber and dense undergrowth.

7.00 Ascend 104 ft., over E. slope.
Ridge, brs. N. and S.

8.56 Descend 18 ft., over W. slope, to
Intersect the closing cor. of T.12 N., Rs. 1 and 2 E., established by J.F. Hesse, U.S.D.S. in 1910, which is a quartz stone 8x6x10 ins. above ground, firmly set, properly marked for reference to said townships, and witnessed by a mound of stone, S. of cor. No bearing trees.

9.89 Continue line and measurement.
Descend 25 ft., over W. slope, to
Intersect the original std. $\frac{1}{4}$ sec. cor. of sec. 31, T.13 N., R.2 E. changed to Angle Point in 1917 by G.F. Rigby, U.S.S., which is a quartz stone 6x12x10 ins. above ground, firmly set, marked "AP" on top, and witnessed

BOOK 3659

Survey of 3rd Standard Parallel North thru frac. Range 1 1/2 East. 5

Chains.

- by a mound of stone N. of cor.
- No bearing trees.
- Thence,
- N. 89° 43' W., on true line, continuing measurement of S. bdy. of frac. sec. 35.
- 12.64 Descend 59 ft., over W. slope.
- Wash, 10 lks. wide, course S.
- 25.00 Ascend 227 ft., over E. slope.
- Ridge, brs. N. and S.
- 25.94 Descend 13 ft., over W. slope, to
- Intersect the std. cor. of T. 13 N., R. 1 and 2 E., reestablished by G. F. Rigby, U.S.S. in 1917, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap for reference to said Tps., and witnessed by a mound of stone, N. of cor. No bearing trees. Alter this cor. monument to refer to T. 13 N., R. 1 E. and frac. T. 13 N., R. 1 1/2 E., by changing marking on brass cap to read:

S C
 T13N
 R1 E | R1 1/2 E
 S36 | S35
 1917-23

No bearing trees available. No change in accessory is required.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper.
 Undergrowth, buck brush, catclaw, and cactus.

Comp.

BOOK 3659

6 Survey of East bdy. of frac. Township 13 North, Range 1 $\frac{1}{2}$ East.

Chains.

The following notes describe a survey of the East bdy. of frac. T.13 N., R.1 $\frac{1}{2}$ E., identical with a survey of the South 1 $\frac{1}{2}$ miles, and resurvey of the North 4 $\frac{1}{2}$ miles of the West bdy. of T.13 N., R. 2 E., at slightly over 1 $\frac{1}{2}$ miles East from the original position of the W.bdy. of T.13 N., R.2 E.

From original std. SE. cor. of frac. T.13 N., R.1 $\frac{1}{2}$ E., and reestablished std. SW. cor. of T.13 N., R.2 E., on 3rd Std. Par. N., described in Book "A" of this group, North, on true line, bet. secs. 31 and 36.

Over mountainous land, thru. scattering timber and dense undergrowth.

- Ascend 15 ft., over SE. slope, to
4.00 Point of spur, slopes SE.
Ascend 20 ft., over E. slope, to
9.80 Wash, 10 lks. wide, course SE.
Ascend 77 ft., over SW. slope.
26.40 Spur, slopes SE.
Descend 64 ft., over NE. slope.
36.10 Wash, 20 lks. wide, course SE.
Ascend 53 ft., over SW. slope, to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 31 and 36, with brass cap, marked

1

S36 | S31
1923

No bearing trees available. Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.

- Ascend 79 ft., over SW. slope.
50.40 Spur, slopes SE.
Descend 40 ft., over NE. slope, to
58.00 Head of gulch, course E.
Ascend 40 ft. over S. slope.
58.50 Spur, slopes E.
Descend 40 ft., over N. slope.
59.20 Wash, 10 lks. wide, course E. near head.
Ascend 79 ft., over S. slope.
65.00 Spur, slopes E.
Descend 85 ft., over N. slope.
70.60 Wash, 40 lks. wide, in gulch, course SE.
Ascend 110 ft., over SW. slope, to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, with brass cap, marked

T13N
R1 $\frac{1}{2}$ E | R2E

S25 | S30

S36 | S31
1923

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper, mesquite, and ironwood.

Undergrowth, scrub oak, catclaw and cactus.

North, on true line, bet. secs. 25 and 30.

Over mountainous land, thru. scattering timber and dense undergrowth.

Ascend 50 ft., over SW. slope.

Survey of East bdy. of frac. Township 13 North Range 1 $\frac{1}{2}$ East. 7

Chains.

4.00 Ridge brs. NW. and SE.
 Descend 41 ft., over NE. slope:

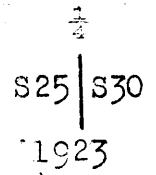
7.80 Wash, 5 lks. wide, course SE?
 Ascend 173 ft., over SW. slope.

19.40 Spur, slopes SE.
 Descend 105 ft., over NE. slope.

32.30 Wash, 6 lks. wide, course SE.
 Ascend 25 ft., over SW. slope.

36.10 Spur, slopes SE.
 Descend 16 ft., over NE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for original $\frac{1}{4}$ sec. cor. of sec. 25, frac. T. 13 N., R. 1 $\frac{1}{2}$ E., and reestablished $\frac{1}{4}$ sec. cor. of sec. 30, T. 13 N., R. 2 E., with brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Continue line and measurement as survey of $\frac{1}{2}$ of E. bdy. of sec. 25, frac. T. 13 N., R. 1 $\frac{1}{2}$ E., identical with re-survey of $\frac{1}{2}$ of W. bdy. of sec. 30, T. 13 N., R. 2 E.

Descend 105 ft., over NE. slope.

53.40 Wash, 10 lks. wide, course SE.
 Ascend 63 ft., over SW. slope.

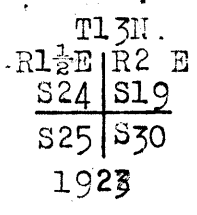
57.30 Spur, slopes SE.
 Descend 60 ft., over NE. slope, to

64.60 Thence over E. slope.
 Ascend 20 ft.

75.50 Old road, brs. NW and SE.

75.90 Wash, 20 lks. wide, course SE.
 Ascend 32 ft., over SW. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for original cor. of secs. 24 & 25, frac. T. 13 N., R. 1 $\frac{1}{2}$ E., and reestablished cor. of secs. 19 and 30, T. 13 N., R. 2 E., with brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and mesquite.
 Undergrowth, scrub oak, catclaw and cactus.

North, on true line, bet. secs. 19 and 24.
 Over mountainous land, thru. very scattering timber and dense undergrowth.

20.70 Ascend 332 ft., over SW. slope, to
 Thence along W. slope.

40.00 Ascend 96 ft., to
 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for original $\frac{1}{4}$ sec. cor. of sec. 24, frac. T. 13 N., R. 1 $\frac{1}{2}$ E., and reestablished $\frac{1}{4}$ sec. cor. of sec. 19, T. 13 N., R. 2 E., with brass cap, marked



BOOK 3659

8 Survey of East bdy. of frac. Township 13 North, Range 1 $\frac{1}{2}$ East.

Chains. No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Ascend 112 ft., over W. slope, to
 57.20 Descend 47 ft., over NW. slope.
 63.10 Rocky wash, 20 lks. wide, course SW. near head.
 Ascend 244 ft., over SW. slope, to
 80.00 Ridge, brs. NW. and SE. Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for original cor. of secs. 13 and 24, frac. T. 13 N., R. 1 $\frac{1}{2}$ E., and reestablished cor. of secs. 18 and 19, T. 13 N., R. 2 E., with brass cap, marked

T13N	
R1 $\frac{1}{2}$ E	R2 E
S13	S18
S24	S19
1923	

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper.
 Undergrowth, scrub oak, and catclaw.

 North, on true line, bet. secs. 13 and 18.
 Over mountainous land, thru: very scattering timber and dense undergrowth.
 Ascend 40 ft., over E. slope.
 6.50 Descend 74 ft., over NE. slope, to
 12.00 Low saddle in same ridge, brs. NE. and SW.
 Ascend 35 ft., over SW. slope.
 21.60 Same ridge, brs. NW. and SE.
 Descend 206 ft., over NE. slope, to
 36.10 Wash, 10 lks. wide, course NW.
 Descend 29 ft., over W. slope, to
 40.00 Spur, slopes N. from SE.
 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bed rock, supported in a mound of stone, for original $\frac{1}{4}$ sec. cor. of sec. 13, frac. T. 13 N., R. 1 $\frac{1}{2}$ E., and reestablished $\frac{1}{4}$ sec. cor. of sec. 18, T. 13 N., R. 2 E., with brass cap, marked

$\frac{1}{4}$	
S13	S18
1923	

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Descend 23 ft., along top of spur, sloping N. from SE.
 43.70 Point of spur.
 Descend 94 ft., over N. slope.
 52.10 Wash, 10 lks. wide, course NE. Thence over rolling land.
 Ascend 54 ft., over SE. slope.
 56.00 Old road, brs. NE. and SW.
 70.00 Descend 30 ft., over NE. slope.
 73.10 Wash, 10 lks. wide, course SE.
 Ascend 50 ft., over S. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for original cor. of secs. 12 and 13, frac. T. 13 N., R. 1 $\frac{1}{2}$ E. and reestablished cor. of secs. 7 and 18, T. 13 N., R. 2 E., with brass cap, marked

T13N	
R1 $\frac{1}{2}$ E	R2E
S12	S 7
S13	S18
1923	

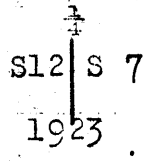
Survey of East bdy. of frac. Township 13 North, Range 1 1/2 East. 9

Chains.

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, juniper. Undergrowth, scrub oak, catclaw, buckbrush and cactus.

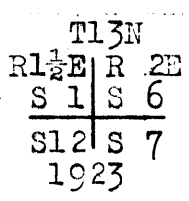
North, on true line, bet. secs. 7 and 12. Over rolling land, thru. very scattering timber and dense undergrowth.

- 17.90 Ascend 130 ft., over S. and SE. slopes, to Wash, 10 lks. wide, course SE. Enter mountainous land.
- 21.40 Ascend 60 ft. over SW. slope. Spur, slopes SE.
- 23.60 Descend 50 ft., over NE. slope. Head of gulch, course E:
- 29.20 Ascend 50 ft., over S. slope. Spur, slopes NE.
- 38.20 Descend 110 ft., over steep N. slope. Wash, 10 lks. wide, in gulch, course N. 60° E.
- 40.00 Ascend 18 ft., over SE. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported in a mound of stone, for original 1/4 sec. cor. of sec. 12, frac. T. 13 N., R. 1 1/2 E., and reestablished 1/4 sec. cor. of sec. 7, T. 13 N., R. 2 E., with brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Ascend 35 ft., over SE. slope.

- 45.70 Spur, slopes N. 70° E. Descend 160 ft., over N. slope.
- 58.70 Wash, 10 lks. wide, course E. Enter rolling land. Ascend 35 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for original cor. of secs. 1 and 12, frac. T. 13 N., R. 1 1/2 E., and reestablished cor. of secs. 6 and 7, T. 13 N., R. 2 E., with brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, rocky, 4th rate. Timber, juniper. Undergrowth, scrub oak, catclaw and cactus.

North, on true line, bet. secs. 1 and 6. Over gently rolling land, thru. dense undergrowth. Ascend 18 ft. over SE. slope.

- 8.00 Spur, slopes NE. Descend 40 ft., over N. slope.
- 16.00 Wash, 10 lks. wide, course E. Thence over nearly level land, sloping slightly to the E.
- 34.40 Wash, 10 lks. wide, course E. Ascend slightly over SE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the

BOOK 3659

10 Survey of East bdy. of frac. Township 13 North, Range 1 1/2 East.

Chains.

ground, for original 1/4 sec. cor. of sec. 1, frac. T. 13 N., R. 1 1/2 E., and reestablished 1/4 sec. cor. of sec. 6, T. 13 N., R. 2 E., with brass cap, marked

1/4
S 1 | S 6
1923

- No bearing trees available. Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.
- Ascend slightly over SE slope.
- 50.00 Enter gently rolling land.
- Descend 28 ft., over NE slope.
- 59.50 Ascend 32 ft., over SE slope.
- 67.60 Thence over nearly level land.
- Ascend slightly over E slope.
- 77.05 Enter gently rolling land.
- Descend 30 ft., over NE slope.
- 83.34 Thence over nearly level land.
- Ascend slightly over SE slope, to
- 87.28 Intersect the S. bdy. of T. 14 N., R. 2 E. at 4.93 chs. W. of the temp. closing Tp. cor. set at 160 chs. west from cor. of secs. 4 and 5, T. 13 N., R. 2 E., as described in Book "A." of this group.
- At point of intersection,
- Set an iron post 3 ft. long, 3 ins. in diam., 32 ins. in the ground for closing cor. of frac. T. 13 N., R. 1 1/2 E., and T. 13 N., R. 2 E., with brass cap, marked

TL4N R2 E
S32
S 1 | S 6
R1 1/2 E | R2 E
T13N
CC
1923

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
Land, gently rolling and nearly level.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, scrub oak, catclaw and cactus.

Survey of West bdy. of frac. Township 13 North, Range 1 1/2 East. 11

Chains.

The West bdy. of frac. T.13 N., R.1 1/2 E. is identical in position with the East bdy. of T.13 N., R.1 E., and part of the East bdy. of T.14 N., R.1 E., both of which are accepted surveys.

The East bdy. of Tp.14 N., R.1 E., and the N. 4 1/2 miles of the East bdy. of T.13 N., R.1 E. were surveyed in 1871, by S.W. Foreman, U.S.D.S. establishing all cor. monuments thereon with a common reference to areas on both sides of the line.

In 1917, G.F. Rigby, U.S.S. surveyed the completion of the S. bdy. of T.14 N., R.2 E., establishing a closing cor. of Ts. 13 and 14 N., R.2 E. on the E. bdy. of T.14 N., R.1 E. at 19.86 chs. N. of the remains of the original cor. of Ts. 13 and 14 N., Rs. 1 and 2 E., reconstructing said township corner, and changing its reference to Ts. 13 and 14 N., R.1 E. only. Surveyor Rigby then resurveyed the N. 4 1/2 miles of the E. bdy. of T.13 N., R.1 E., found no trace of the original cors. thereon, reestablished the cors. at intervals of 40.00 chs. on true line S. from reestablished cor. of Ts. 13 and 14 N., R.1 E. to the 1/4 sec. cor. of sec. 25, T.13 N., R.1 E., and changed all such reestablished cor. monuments to refer to areas W. of the line only. Surveyor Rigby then surveyed the completion of the E. bdy. of T.13 N., R.1 E., by random line south from 1/4 sec. cor. of sec. 25 to intersection with 3rd Std. Parallel N., where he reestablished the Std. Tp. cor.; thence N. on true line establishing cors. referring to areas W. of the line only at intervals of 40.00 chs., placing a deficiency of 11.71 chs. on the S. 1/4 of E. bdy. of sec. 25.

In said resurvey and survey of the range line no cors. referring to T.13 N., R.2 E. were reestablished or established.

No other resurvey and no retracement of the line is of record. The following notes describe the establishment of a new set of cors. on the line, referring to areas in frac. T.13 N., R.1 1/2 E. only, which, in view of the fact that no cor. monuments with such reference are of record, constitutes a survey of the W. bdy. of said fractional township.

This survey being dependent upon the alignment of the existing range line, make retracement of same E. of Ts. 13 and 14 N., R.1 E.

Retracement for Survey.

From the reestablished std. SE. cor. of T.13 N., R.1 E., and original std. SW. cor. of frac. T.13 N., R.1 1/2 E. on 3rd Std. Par. N., hereinbefore described,

39.83

North, on random line, on E. bdy. of sec. 36 (S. 1/2).
Fall 3 lks. E. of the original 1/4 sec. cor. of sec. 36, hereinafter described.

True course and dist. of S. 1/2 of E. bdy. of sec. 36 are therefore N. 0° 3' W., 39.83 chs.

Thence,

40.41

North, on a random line; on E. bdy. of sec. 36 (N. 1/2).
Fall 3 lks. E. of the original cor. of secs. 25 and 36, hereinafter described.

True course and dist. of N. 1/2 of E. bdy. of sec. 36 are therefore N. 0° 3' W., 40.41 chs.,

Thence,

27.72

North on random line, on E. bdy. of sec. 25 (S. 1/2).
Fall 2 lks. W. of the previously reestablished 1/4 sec. cor. of sec. 25, hereinafter described.

True course and dist. of S. 1/2 of E. bdy. of sec. 25 are therefore N. 0° 3' E., 27.72 chs.

Thence,

40.07

North, on random line, on E. bdy. of sec. 25 (N. 1/2).
Fall 4 lks. W. of the previously reestablished cor. of secs. 24 and 25, hereinafter described.

BOOK 3659

12 Survey of W. bdy. of frac. Township 13 North, Range 1st East.

Chains.

- True course and dist. of N. $\frac{1}{2}$ of E. bdy. of sec. 25 are therefore, N. 0° 3' E., 40.07 chs.
Thence,
North, on random line, on E. bdy. of sec. 24 (S. $\frac{1}{2}$).
- 39.93 Fall 7 lks. W. of the previously reestablished $\frac{1}{4}$ sec. cor. of sec. 24, hereinafter described.
True course and dist. of S. $\frac{1}{2}$ of E. bdy. of sec. 24 are therefore, N. 0° 6' E., 39.93 chs.
Thence,
North, on random line on E. bdy. of sec. 24 (N. $\frac{1}{2}$).
- 39.95 Fall 4 lks. W. of the previously reestablished cor. of secs. 13 and 24, hereinafter described.
True course and dist. of N. $\frac{1}{2}$ of E. bdy. of sec. 24 are therefore N. 0° 3' E., 39.95 chs.
Thence,
North, on a random line, on E. bdy. of sec. 13 (S. $\frac{1}{2}$).
- 40.02 Intersect the previously reestablished $\frac{1}{4}$ sec. cor. of sec. 13, hereinafter described.
True course and dist. of S. $\frac{1}{2}$ of E. bdy. of sec. 13 are therefore North, 40.02 chs.
Thence,
North, on random line, on E. bdy. of sec. 13 (N. $\frac{1}{2}$).
- 40.00 Fall 6 lks. W. of the previously reestablished cor. of secs. 12 and 13, hereinafter described.
True course and dist. of N. $\frac{1}{2}$ of E. bdy. of sec. 13 are therefore, N. 0° 5' E., 40.00 chs.
Thence, North, on random line, on E. bdy. of sec. 12 (S. $\frac{1}{2}$).
- 39.93 Fall 7 lks. W. of the previously reestablished $\frac{1}{4}$ sec. cor. of sec. 12, hereinafter described.
True course and dist. of S. $\frac{1}{2}$ of E. bdy. of sec. 12, are therefore N. 0° 6' E., 39.93 chs. Thence,
North, on random line on E. bdy. of sec. 12 (N. $\frac{1}{2}$).
- 40.07 Intersect the previously reestablished cor. of secs. 1 and 12, hereinafter described.
True course and distance of N. $\frac{1}{2}$ of E. bdy. of sec. 12 are therefore, North, 40.07 chs.
Thence,
North, on random line, on E. bdy. of sec. 1 (S. $\frac{1}{2}$).
- 39.98 Intersect the previously reestablished $\frac{1}{4}$ sec. cor. of sec. 1, hereinafter described.
True course and dist. of S. $\frac{1}{2}$ of E. bdy. of sec. 1 are therefore North, 39.98 chs.
Thence,
North, on random line on E. bdy. of sec. 1 (N. $\frac{1}{2}$).
- 40.19 Fall 3 lks. E. of the cor. of Ts. 13 and 14 N., R. 1 E., hereinafter described.
True course and distance of N. $\frac{1}{2}$ of E. bdy. of sec. 1 are therefore, N. 0° 3' W., 40.19 chs.
Thence,
North, on random line on E. bdy. of T. 14 N., R. 1 E. searching diligently at record intervals for original cor. monuments, fail to find trace of any, until at
- 474.80 Fall 6.50 chs. W. of the cor. of Ts. 14 and 15 N., R. 1 and 2 E., reconstructed in original position by F. W. Rodolf, U. S. S. in 1911. This Tp. cor. monument is described in Book "C" of this group.
True course and distance of East bdy. of T. 14 N., R. 1 E. are therefore N. 0° 47' E., 474.84 chs., which, to maintain original proportion between the cor. intervals gives 12 intervals of 39.57 chs. each for the reestablishment of the missing cor. of T. 14 N., R. 1 E. on the range line.

SURVEY.

From the reestablished std. SE. cor. of T. 13 N. R. 1 E., and original std. SW. cor. of frac. T. 13 N., R. 1st E. on the 3rd Std. Parallel N., hereinbefore described,
N. 0° 3' W., on true line, on W. bdy. of frac. sec. 35.
Over mountainous land, thru. very scattering timber and

Chains.

30.00 dense undergrowth.
Ascend 100 ft., over W. slope, to
Draw, course SW. near head.

39.83 Ascend 165 ft., over SW. slope, to
Intersect the original $\frac{1}{4}$ sec. cor. of sec. 36, T.13 N., R.1 E.,
established by G.F. Rigby, U.S.S. in 1917, which is an
iron post, 1 in. in diam., projecting 20 ins. above
ground, firmly set in ground and mound of stone, prop-
erly marked on brass cap, for reference to the quarters
of said sec. and witnessed by a mound of stone, W. of
cor.

No bearing trees.
Continue line and measurement.
Ascend slightly over SW. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the
ground to bed rock, supported in a mound of stone, for
 $\frac{1}{4}$ sec. cor. of frac. sec. 35 only, with brass cap, marked

1/4 S 35
1923

55.00 No bearing trees available.
Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
Ascend 95 ft., over SW. slope.
Ridge, brs. N, 10° W. and S. 10° E.

65.62 Descend 168 ft., over NE. slope.
Wash, 10 lks. wide, course SE. near head.
Ascend 97 ft., over SE. slope.

75.00 Descend 10 ft., over E. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
the ground for cor. of frac. secs. 26 and 35, with brass
cap, marked

T13N	T13N
R1E	R1 1/2 E
S36	S26
	S35
	1923

No bearing trees available.
Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, juniper, ironwood and mesquite.
Undergrowth, greasewood, catclaw and cactus.

0.24 N. 0° 3' W., on true line on W. bdy. of frac. sec. 26.
Over mountainous land, thru. very scattering timber and
dense undergrowth.
Descend slightly over E. slope, to
Intersect the original cor. of secs. 25 and 36, T.13 N., R.1
E., established by G.F. Rigby, U.S.S. in 1917, which is
an iron post 2 ins. in diam., projecting 10 ins. above
ground, firmly set, properly marked on brass cap, for
reference to said secs., and witnessed by a mound of
stone, W. of cor. No bearing trees.

7.00 Thence,
N. 0° 3' E., on true line, continuing measurement of W. bdy.
of frac. sec. 26.

27.96 Descend 56 ft., over E. slope.
Ascend 136 ft., over SE. slope, to
Intersect the $\frac{1}{4}$ sec. cor. of sec. 25, reestablished by G.F.
Rigby, U.S.S. in 1917, which is an iron post, 1 in. in
diam., projecting 10 ins. above ground, firmly set, properly
marked on brass cap, for reference to the quarters of
said section, and witnessed by a mound of stone W. of
cor. No bearing trees.

Continue line and measurement of W. bdy. of frac. sec. 26.

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14 Survey of West boundary of frac. Township 13 North, Range 1 $\frac{1}{2}$ East.

Chains.

40.00 Ascend 133 ft., over SE. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor. of frac. sec. 26 only, with brass
cap, marked

	13N	
	R1E	
	S26	

1923

No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 ft. high, E. of cor.

42.46 Ascend 28 ft., over SE. slope, to
Descend 102 ft., over NE. slope..

48.75 Ascend 166 ft., over SE. slope, to

68.03 Intersect the cor. of secs. 24 and 25, T. 13 N., R. 1 E., rees-
tablished by G. F. Rigby, U.S.S. in 1917, which is an
iron post, 1 in. in diam., projecting 10 ins. above
ground, firmly set, properly marked on brass cap, for
reference to said secs., and witnessed by a mound of
W. of cor. No bearing trees.

Thence,

N. 0° 6' E., on true line, continuing measurement of W. bdy. of
frac. sec. 26.

80.00 Ascend 155 ft., over SE. slope, to

Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the
ground to bed rock, supported in a mound of stone, for
cor. of frac. secs. 23 and 26 only, with brass cap,
marked

13N	13N
R1E	R1E
S24	S23
	S26

1923

from which,

A cedar, 10 ins. in diam., brs. S. 12 $\frac{1}{2}$ ° E., 55 lks.
dist., marked T13N R1E S26 BT.

No other bearing tree available.

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and mesquite.

Undergrowth, greasewood, catclaw and cactus.

N. 0° 6' E., on true line, on W. bdy. of frac. sec. 23.

Over mountainous land, thru. very scattering timber and
dense undergrowth.

7.70 Ascend 228 ft., over SE. slope, to

Ridge, brs. NE. and SW. The top of El Capitan Peak brs.
W. about 7.00 chs. dist., and about 300 ft. above this
point.

20.00 Descend 231 ft., over NW. slope, to

Wash, 10 lks. wide, course NW.

Descend 50 ft., over W. slope,

27.15 Ascend 8 ft., over SW. slope, to

27.96 Spur, slopes NW. Intersect the $\frac{1}{4}$ sec. cor. of sec. 24, T. 13 N.,
R. 1 E., reestablished by G. F. Rigby, U.S.S. in 1917,
which is an iron post 1 in. in diam., projecting 12 ins.
above ground, firmly set, properly marked on brass
cap for reference to said sec., and witnessed by a
mound of stone, W. of cor. No bearing trees.

Thence,

N. 0° 3' E., on true line, continuing measurement of W. bdy. of
frac. sec. 23.

33.65 Descend 113 ft., over NE. slope, to

Rocky wash, 10 lks. wide, course NW.

Ascend 30 ft., over SW. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. of frac. sec. 23 only, with
brass cap, marked

BOOK 3659

Survey of West bdy. of frac. Township 13 North, Range 1 1/2 East, 15

Chains.

18 23
1923

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
 Ascend 10 ft., over SW. slope.
 43.00 Descend 79 ft., over W. slope, to
 55.00 Spur, slopes NW.
 Descend 115 ft., over NE. slope, to
 67.91 Intersect the cor. of secs. 13 and 24, T. 13 N., R. 1 E., reestablished by C. F. Rigby, U.S.S. in 1917, which is an iron post, 2 ins. in diam., projecting 14 ins. above ground, firmly set, properly marked on brass cap, for reference to said secs., and witnessed by a mound of stone, W. of cor. No bearing trees.

Thence,
 North, on true line, continuing measurement of W. bdy. of frac. sec. 23.
 Descend 68 ft., over NE. slope.
 72.14 Wash, 50 lks. wide, course NW.
 Ascend 19 ft., over SW. slope.
 74.00 Spur, slopes W.
 Descend 38 ft., over N. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for cor. of frac. secs. 14 and 23 only, with brass cap, marked

T13N	T13N
R1E	R1 1/2 E
S13	S14
	S23

1923

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper.
 Undergrowth, greasewood, catclaw and cactus.

North, on true line, on W. bdy. of frac. sec. 14.
 Over mountainous land, thru. very scattering timber and dense undergrowth.
 .50 Descend 13 ft. over N. slope.
 Wash, 15 lks. wide, course W.
 4.40 Ascend 69 ft., over S. slope.
 Spur, slopes W.
 8.00 Descend 68 ft., over N. slope.
 Wash, 10 lks. wide, course NW. near head.
 15.00 Ascend 44 ft., over SW. slope.
 Spur, slopes W.
 19.80 Descend 20 ft., over NW. slope.
 21.14 Descend 15 ft., over W. slope.
 Telephone line, brs. E. and W.
 26.30 Point of spur, slopes NW.
 Descend 50 ft., over N. slope, to
 27.93 Intersect the sec. cor. of sec. 13, T. 13 N., R. 1 E. reestablished by C. F. Rigby, U.S.S. in 1917, which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, for reference to quarters of said sec., and witnessed by a mound of stone, W. of cor. No bearing trees.

Thence,
 N. 0° 5' E., on true line, continuing measurement of W. bdy. of frac. sec. 14.
 Descend 29 ft., over N. slope.
 28.70 Wash, 20 lks. wide, course W.
 Ascend 63 ft., over S. slope.

BOOK 3659

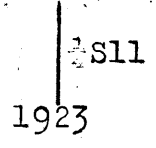
16 Survey of West bdy. of frac. Township 13 North, Range 12 East.

Chains.									
35.40	Spur, slopes W. Descend 102 ft., over N. slope, to								
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of frac. sec. 14 only, with brass cap, marked								
	No bearing trees available. Raise a mound of stone 3 ft. base, 2 ft. high, E. of cor. Descend 25 ft., over N. slope.								
41.35	Road, brs. E. and W., in wash, 50 lks. wide, course W. Ascend 147 ft., over S. slope.								
54.50	Spur, slopes W. from NE. Descend 29 ft., over NW. slope, to								
59.50	Ascend 31 ft., over W. slope.								
66.25	Descend 25 ft., over NW. slope, to								
67.93	Intersect the cor. of secs. 12 and 13, T. 13 N., R. 1 E., reestablished by G. F. Rigby in 1917, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap for reference to said secs., and witnessed by a mound of stone, W. of cor. No bearing trees. From this point, fence cor. brs. W. 25 lks. dist., from which fences extend W. and N. Thence, N. 0° 6' E., on true line, continuing measurement of W. bdy. of frac. sec. 14, nearly parallel to wire fence about 25 lks. W. of line. Descend 28 ft., over NW. slope.								
70.40	Wash, 10 lks. wide, course SW. near road. Ascend 51 ft., over S. slope.								
72.80	Spur, slopes W. from NE. Descend 33 ft., over NW. slope, to								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, supported in a mound of stone, for cor. of frac. secs. 11 and 14, only, with brass cap, marked								
	<table border="1"> <tbody> <tr> <td>T13N</td> <td>T13N</td> </tr> <tr> <td>R1E</td> <td>R1$\frac{1}{2}$E</td> </tr> <tr> <td></td> <td><u>S11</u></td> </tr> <tr> <td>S12</td> <td>S14</td> </tr> </tbody> </table>	T13N	T13N	R1E	R1 $\frac{1}{2}$ E		<u>S11</u>	S12	S14
T13N	T13N								
R1E	R1 $\frac{1}{2}$ E								
	<u>S11</u>								
S12	S14								
	1923								
	No bearing trees available. Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor. Land, mountainous. Soil, rocky, 4th rate. Timber, juniper, mesquite and ironwood. Undergrowth, buck brush, scrub oak, greasewood and cactus.								

	N. 0° 6' E., on true line, on W. bdy. of frac. sec. 11. Over mountainous land, thru. dense undergrowth, nearly parallel to wire fence about 30 lks. W. of line. Descend 63 ft., over NW. slope.								
10.30	Draw, 50 lks. wide, course SW.								
26.80	Ascend 187 ft., over SE. slope. Spur, slopes SW. Descend 10 ft., over NW. slope, to								
27.86	Intersect the $\frac{1}{4}$ sec. cor. of sec. 12, T. 13 N., R. 1 E., reestablished by G. F. Rigby, U.S.S. in 1917, which is an iron post 1 in. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, for reference to the quarters of said sec., and witnessed by a mound of stone, W. of cor. No bearing trees. Thence, North, on true line, continuing measurement of W. bdy. of frac. sec. 11.								

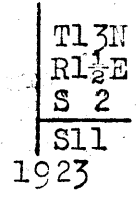
Survey of West bdy. of frac. Township 13 North, Range 1 $\frac{1}{2}$ East. 17

Chains.
 Continuing parallel to wire fence, about 30 lks.W.of line.
 Descend 111 ft., over NW.slope.
 36.90 Wash, 30 lks.wide, course W. Enter rolling land.
 Ascend 16 ft., over SW 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. of frac.11 only, with brass
 cap, marked



No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft.high, E of cor.
 Ascend 19 ft., over SW. slope.
 45.00 Spur, slopes SW.
 Descend 23 ft., over NW. slope.
 49.85 Ascend 45 ft., over SW. slope.
 60.00 Ridge, brs.E. and W.
 Descend 38 ft., over NW.slope, to
 67.93 Intersect the cor.of secs.1 and 12, T.13 N., R.1 E., reestab-
 lished by G.F.Rigby, U.S.S. in 1917, which is an iron
 post 2 ins.in diam., projecting 12 ins. above ground,
 firmly set, properly marked on brass cap for reference
 to said secs., and witnessed by a mound of stone, W.of
 cor. No bearing trees.

Thence,
 North, on true line, continuing measurement of W.bdy.of
 frac.sec.11.
 Over rolling land, thru. dense undergrowth, nearly paral-
 lel to fence, about 35 lks.W.of line.
 Descend 29 ft., over W.slope.
 79.20 Wash, 30 lks.wide, course W.from NE. Enter mountainous
 land.
 Ascend 14 ft., over S.slope, to
 80.00 Set an iron post, 3 ft.long, 2 ins.in diam., 26 ins. in-
 the ground, for cor.of frac.secs. 2 and 11, only, with
 brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft.high, E.of cor.
 Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, scrub oak and cactus.

 North, on true line, on W. bdy.of frac.sec.2.
 Over mountainous land, thru. dense undergrowth, nearly
 parallel to wire fence about 50 lks.W.of line.
 Ascend 173 ft., over S.slope.
 9.11 Fence cor.brs.W. 50 lks.dist., from which fences extend N.,
 S. and W. Continue nearly parallel to fence about 50
 lks.W.of line.
 12.20 Ridge, brs.E. and W.
 Descend 212 ft.over N.slope.
 25.50 Wash, 30 lks.wide, course W. Enter rolling land.
 Ascend 11 ft., over SW.slope, to
 27.91 Intersect the $\frac{1}{4}$ sec.cor.of sec.1, T.13 N., R.1 E. reestab-
 lished by G.F.Rigby, U.S.S. in 1917, which is an iron
 post 1 in. in diam., projecting 12 ins. above ground,
 properly marked on brass cap for reference to the
 quarters of said sec., and witnessed by a mound of stone
 W.of cor. No bearing trees.

BOOK 3659

18 Survey of West boundary of frac. Township 13 North, Range 1 $\frac{1}{2}$ E.

Chains.	
	Thence, N.0°3'W., on true line, continuing measurement of W. bdy. of frac. sec. 2, nearly parallel to wire fence, about 30 lks. west of line.
40.00	Ascend 54 ft., over SW. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of frac. sec. 2 only, with brass cap, marked <div style="text-align: center;"> 1/4 S 2 1923</div>
	No bearing trees available. Raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
43.50	Ascend 36 ft., over SW. slope: Point of spur, slopes NW. Enter mountainous land.
52.30	Descend 114 ft., over N. slope. Wash, 20 lks. wide, course W. Enter rolling land.
58.48	Ascend 46 ft., over S. slope. Fence cor. brs. W. 20 lks. dist., whence fences extend W. and S.
60.30	Dewey-Camp Verde Highway, brs. E. and W.
63.30	Saddle in ridge, brs. E. and W.
68.10	Descend 22 ft., over N. slope, to Intersect the cor. of Ts. 13 and 14 N., R. 1 E., reestablished in original position of cor. of Ts. 13 and 14 S., Rs. 1 and 2 E., by G. F. Rigby, U.S.S. in 1917, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap for reference to said townships, and witnessed by a mound of stone, W. of cor. No bearing trees.
	Thence, N.0°47'E., on true line, continuing measurement of W. bdy. of frac. sec. 2.
79.10	Descend 55 ft., over N. slope: Center of wash; 360 lks. wide, course W.
87.80	Ascend 72 ft., over SW. slope, to Intersect the N. bdy. of frac. T. 13 N., R. 1 $\frac{1}{2}$ E., surveyed due west. The closing cor. of Ts. 13 and 14 N., R. 2 E., established in 1917 by G. F. Rigby, brs. N. 59°W., 31 lks. dist. Remove this cor. monument, and reset at this point of intersection for original closing cor. of frac. T. 13 N., R. 1 $\frac{1}{2}$ E. and reestablished closing cor. of T. 14 N., R. 2 E., as hereinafter described.
	Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, none. Undergrowth, scrub oak and cactus.

Survey of North bdy. of frac. Township 13 North Range 1st East 10 Chains.

The North bdy. of frac. T.13 N., R.1¹/₂ E. is identical in position with part of the S. bdy. of T.14 N., R.2 E. as surveyed by G.F. Rigby, U.S.S. in 1917; however, as no cor. monuments referring to areas in frac. T.13 N., R.1¹/₂ E. have ever been set on the line, the N. bdy. of said township is technically unsurveyed. The following notes describe the establishment of cor. monuments on the line referring to areas in said frac. Tp., which constitutes a survey of the N. bdy. thereof.

- 0.42 From the closing cor. of frac. T.13 N., R.1¹/₂ E., and T.13 N., R.2 E., hereinbefore described, West, on true line on N. bdy. of sec. 1.
- 23.68 Over nearly level land, thru. very scattering timber and dense undergrowth. Ascend slightly over SE. slope. Road, Dewey-Camp Verde, brs. NE. and SW.
- 25.12 Leave nearly level, and enter rolling land. Ascend 24 ft., over SE. slope.
- 30.82 Point where cor. of secs. 31 and 32, T.14 N., R. 2 E. is re-established, as described in Book "C" of this group.
- 39.85 Low ridge, brs. NE. and S.. Descend 95 ft., over W. slope, to (Midpoint of N. bdy. of sec. 1) Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor. of sec. 1 only, with brass cap, marked.

As 1
1923

- 43.41 No bearing trees available. Continue over rolling land, thru. very scattering timber and dense undergrowth. Descend 29 ft., over W. slope, to Wash, 10 lks. wide, course S. 80° W. Enter mountainous land.
 - 65.12 Descend 150 ft., over S. and SW. slopes, to Point where $\frac{1}{4}$ sec. cor. of sec. 31, T.14 N., R.2 E. is reestablished as described in Book "C" of this group.
 - 68.81 Intersect E. side line (3-4) of "Minnehaha" patented lode mining claim, Mineral Survey No. 2541 at a point 8.14 chs. N. 23° 45' E. from cor. No. 4 thereof. Thence across patented mining claims of Mineral Survey No. 2541.
 - 73.32 Wash, 10 lks. wide, course NW. Ascend 20 ft., over NE. slope.
 - 74.91 Point of spur, slopes NW. Descend 40 ft., over W. slope, to
 - 79.71 Intersect the Subdivision line, bet. sec. 1 and frac. sec. 2, surveyed N. 0° 1' W. Closing cor. of said secs. established at this point of intersection, as hereinafter described.
- Land, nearly level, rolling and mountainous.
Soil, rocky, 3rd and 4th rate.
Timber, oak.
Undergrowth, catclaw, scrub oak and cactus.

- 1.30 West, on true line, on N. bdy. of frac. sec. 2.
- 4.50 Over rolling land, thru. very scattering timber and dense undergrowth. Across patented mining claim of Mineral Survey No. 2541. Descend 10 ft., over W. slope, to Foot of slope, brs. NE. and SW. Enter nearly level land.
- 8.30 Road, brs. NE. and SW. Leave nearly level, and enter mountainous land. Ascend 113 ft., over E. slope.

BOOK 3659

20 Survey of North bdy. of frac. Township 13 North Range 1 $\frac{1}{2}$ East.

- chains.
- 12.40 Intersect NW. side line (4-5) of "Texas" patented lode mining claim, Mineral Survey No. 2541 at a point 1.57 chs. N. 24° 31' E. from cor. No. 5 thereof. Leave patented mining claims.
- 13.15 Intersect E. side line (1-2) of "Bonnybel" patented lode mining claim, Mineral Survey No. 2541; at a point 1.43 chs. N. 4° 00' W. from cor. No. 5 of "Texas" claim, which cor. is on said E. side line of "Bonnybel" claim. Thence across "Bonnybel" claim.
- 16.53 Spur, slopes S.
From this point, U.S.L.M. No. 2541, Agua Fria Mining District brs. S. 0.38 chs. dist., which is a quartz stone 12x12x24 ins., marked "USLM 2541" on S. face, and firmly set in a mound of stone, 5 ft. base, 4 ft. high.
Descend 83 ft., over steep SW. slope, to
- 22.11 Foot of steep slope, brs. NW. and SE. Enter rolling land. Descend gradually over SW. slope to Tp. closing cor.
- 22.26 Intersect W. side line (3-4) of "Bonnybel" patented lode mining claim, Mineral Survey No. 2541 at a point 8.09 chs. N. 4° 00' W. from cor. No. 4 thereof. Leave said claim.
- 24.00 Wire fence, brs. N. and S.
- 25.41 Intersect the E. bdy. of T. 14 N., R. 1 $\frac{1}{2}$ E. at a point 19.70 chs. N. 0° 47' E. from the cor. of Ts. 13 and 14 N., R. 1 $\frac{1}{2}$ E., hereinbefore described. From this point of intersection, the closing cor. of Ts. 13 and 14 N., R. 2 E., established by C. F. Rigby, U.S.S. in 1917, brs. N. 59° W., 31 lks. dist. This closing cor. is an iron post, 3 ins. in diam., projecting 12 ins. above ground, properly marked on brass cap, for reference to said Tps., and witnessed by a mound of stone, E. of post. No bearing trees.
Destroy the mound of stones, remove the iron post, and at point of intersection, reset same iron post, 26 ins. in the ground, for original closing cor. of frac. T. 13 N., R. 1 $\frac{1}{2}$ E., and reestablished closing cor. of T. 14 N., R. 2 E., changing the marking on the brass cap to read:

	T14N	
	R2E	
T14N	S3L	CC
S1E	S. 6	
S36	T13N	
	R1 $\frac{1}{2}$ E.	
1917-23		

No bearing trees available.
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, rolling, nearly level and mountainous.
Soil, rocky, 3rd and 4th rate.
Timber, oak and mesquite.
Undergrowth, catclaw and cactus.

Boundaries of fractional Township 13 North, Range 1 $\frac{1}{2}$ E.

 Latitudes, Departures, and Closing Errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary, (3rd. Std. Par. N.)	N. 89° 57' W.	89.89	.08			89.89
	N. 89° 43' W.	16.05	.08			16.05
West boundary,	N. 0° 3' W.	80.24	80.24			.06
	N. 0° 3' E.	67.79	67.79		.06	
	N. 0° 6' E.	39.93	39.93		.07	
	N. 0° 3' E.	39.95	39.95		.04	
	North,	40.02	40.02			
	N. 0° 5' E.	40.00	40.00		.06	
	N. 0° 6' E.	39.93	39.93		.07	
	North,	80.05	80.05			
	N. 0° 3' W.	40.19	40.19			.03
	N. 0° 47' E.	19.70	19.70		.27	
North boundary,	East,	105.12			105.12	
East boundary,	South,	487.28		487.28		
Convergency,					.11	
Totals,			487.96	487.28	105.80	106.03
			487.28			105.80
	<u>Error in latitude,</u>		0.68			
	<u>Error in departure,</u>				0.23	

BOOK 3659

22 Survey of Subdivision lines of frac. Township 13 North, Range 1 $\frac{1}{2}$ East.

Chains.

From true point for std. cor. of sec. 36, and frac. sec. 35
on S. bdy. of Tp. (3rd. Std. Par. N.) hereinbefore described,
N. 0° 1' W., on true line, bet. sec. 36, and frac. sec. 35.
Over mountainous land, thru. very scattering timber and
dense undergrowth.

3.60 Ascend gradually in wash, 50 lks. wide, course S.
Leave wash, course S. from N. 20° W.

12.50 Ascend 92 ft., over SW. slope, to
Thence along W. slope.

40.00 Ascend 140 ft., to.

Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the
ground to bed rock, supported in a mound of stone for
 $\frac{1}{4}$ sec. cor. of sec. 36 and frac. sec. 35, with brass cap,
marked

†
S35 | S36

1923

No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 ft. high, W. of cor.

49.00 Ascend 37 ft., over W. slope.

57.40 Ascend 85 ft., over SW. slope.

Point of spur, slopes W.

64.55 Descend 76 ft., over NW. slope.

Wash, 50 lks. wide, course S. 30° W.

80.00 Ascend 330 ft., over SE. and E. slopes, to

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
the ground, for cor. of secs. 25 and 36, and frac. secs. 26
and 35, with brass cap, marked

T13N | R1 $\frac{1}{2}$ E

S26 | S25

S35 | S36

1923

No bearing trees available. Raise a mound of stone 3 ft.
base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and mesquite.

Undergrowth, catclaw, cactus and buck brush.

40.00 S. 89° 57' E., on random line, bet. secs. 25 and 36.

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

79.74 Fall 9 lks. S. of the cor. of secs. 25, 30, 31 and 36, on the
E. bdy. of the Tp., hereinbefore described.

Thence,

S. 89° 59' W., on true line, bet. secs. 25 and 36.

Over mountainous land, thru. very scattering timber and
dense undergrowth.

8.84 Descend 63 ft., over SW. slope.

Wash, 20 lks. wide, in gulch, course SE.

Ascend 267 ft., over E. slope.

32.50 Ridge, brs. NW. and SE.

Descend 40 ft., over SW. slope.

37.84 Wash, 10 lks. wide, course SE.

Ascend 30 ft., over E. slope, to

39.87 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor. of secs. 25 and 36, with brass
cap, marked

$\frac{1}{4}$ S 25

S 36

1923

No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 ft. high, N. of cor.

Ascend 312 ft., over E. slope.

Survey of Subdivision lines of frac. T. 13 N., R. 1 1/2 East. 23

Chains.	
58.44	Ridge, brs. N. and S. 10° E. Descend 267 ft., over SW. slope.
74.84	Wash, 30 lks. wide, in gulch, course SE. Ascend 89 ft., over E. slope, to
79.74	Intersect the cor. of secs. 25 and 36, and frac. secs. 26 and 35. Land, mountainous. Soil, rocky, 4th rate. Timber, juniper. Undergrowth, scrub oak, and catclaw.

25.84	N. 89° 50' W., on a random line, bet. frac. secs. 26 and 35. Fall 7 lks. S. of the cor. of frac. secs. 26 and 35, on the W. bdy. of the Tp.; hereinbefore described. Thence, S. 89° 40' E., on true line, bet. frac. secs. 26 and 35. Over mountainous land, thru. very scattering timber and dense undergrowth. Descend 320 ft., over E. slope.
7.85	Wash, 15 lks. wide, in gulch, course S. Ascend 339 ft., over W. slope.
23.12	Spur, slopes S. Descend 50 ft., over E. slope, to
25.84	Intersect the cor. of secs. 25 and 36, and frac. secs. 26 and 35. Land, mountainous. Soil, rocky, 4th rate. Timber, juniper, ironwood and mesquite. Undergrowth, scrub oak and catclaw.

	N. 0° 1' W., on true line, bet. sec. 25 and frac. sec. 26. Over mountainous land, thru. very scattering timber and dense undergrowth. Ascend 30 ft., over E. slope.
2.50	Ascend 115 ft., over SE. slope.
12.20	Ridge, brs. NW. and SE. Spur, slopes SW. from ridge at this point, and at about 2.00 chs. NW., the ridge turns to N. Ascend 45 ft., over E. slope.
34.00	Descend 23 ft., over NE. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for 1/4 sec. cor. of sec. 25, and frac. secs. 26, with brass cap, marked
	from which, A juniper, 10 ins. in diam., brs. S. 51 1/2° E., 167 lks. dist., marked S 25 BT. A juniper, 4 ins. in diam.; brs. N. 3 1/2° W., 180 lks. dist., marked BT.
44.40	Descend 32 ft., over NE. slope. Wash, 10 lks. wide, course SE. hear head. Ascend 78 ft., over SE. slope.
49.60	Bend in same ridge, brs. NW. and SW. A spur, slopes SE. from ridge at this point. Ascend 53 ft., over E. slope, to
71.00	Head of gulch, course SE. Ascend 52 ft., over SE. slope, to
74.60	Same ridge, brs. NE. and SW. Ascend 15 ft., over W. slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 24 and 25, and frac. secs. 23 and 26, with brass cap, marked

BOOK 3659

24 Survey of Subdivision lines of frac. Township 13 North, Range 1 $\frac{1}{2}$ East.

Chains.

T13N	R1 $\frac{1}{2}$ E
S23	S24
S26	S25
1923	

from which,

A juniper, 6 ins. in diam., brs. N. 72 $\frac{1}{2}$ ° E., 286 lks.dist., marked T13N R1 $\frac{1}{2}$ E S24 BT.

A juniper, 5 ins. in diam., brs. S. 6° W., 177 lks.

dist., marked T13N R1 $\frac{1}{2}$ E S26 BT.No other bearing trees available. Raise a mound of stone,
3 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and mesquite.

Undergrowth, scrub oak and catclaw.

40.00 N. 89° 59' E., on random line, bet. secs. 24 and 25.
Set temp. $\frac{1}{4}$ sec. cor.

79.76 Fall 18 lks. S. of the cor. of secs. 19, 24, 25 and 30, on the
E. bdy. of the Tp., hereinbefore described.

Thence,
S. 89° 51' W., on true line, bet. secs. 24 and 25.

Over mountainous land, thru. very scattering timber and
dense undergrowth.

Descend 53 ft., over SW. slope.

2.85 Road, brs. NW. and SE.

3.95 Wash, 20 lks. wide, course SE.

Ascend 207 ft., over NE. slope.

26.26 Spur, slopes SE.

Descend 40 ft., over SW. slope.

33.36 Wash, 10 lks. wide, course SE.

Ascend 59 ft., over NE. slope, to

39.88 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the
ground to bed rock, supported in a mound of stone, for
 $\frac{1}{4}$ sec. cor. of secs. 24 and 25, with brass cap, marked

S 24
S 25
1923

No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 ft. high, N. of cor.

Ascend 323 ft., over NE. slope.

59.05 Ridge, brs. N. and SE.

Descend 54 ft., over W. slope.

62.75 Wash, 10 lks. wide, course SE.

Ascend 88 ft., over E. slope.

75.26 Ridge, brs. N. and SW.

Descend 132 ft., over W. slope, to

79.76 Intersect the cor. of secs. 24 and 25, and frac. secs. 23
and 26.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper.

Undergrowth, scrub oak and catclaw.

25.78 N. 89° 40' W., on random line, bet. frac. secs. 23 and 26.
Fall 2 lks. N. of the cor. of frac. secs. 23 and 26, on W. bdy.
of Tp., hereinbefore described.

Thence,
S. 89° 43' E., on a true line, bet. frac. secs. 23 and 26.

Over mountainous land, thru. very scattering timber and
dense undergrowth.

Descend 300 ft., over steep E. slope.

10.75 Wash, 10 lks. wide, course SE.

Ascend 36 ft., over SW. slope.

15.80 Point of spur, slopes S.

Survey of Subdivision lines of frac. Township 13 North, Range 13 East, 305

Chains.

19.77 Descend 29 ft., over SE. slope.
 25.78 Wash, 20 lks. wide, in gulch, course S. Asc. 110 ft. over W. slope, to
 Intersect the cor. of secs. 24 and 25, and frac. secs. 23 & 26.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper.
 Undergrowth, scrub oak and catclaw.

11.80 N. 0° 1' W., on true line, bet. sec. 24 and frac. sec. 23.
 Over mountainous land, thru. very scattering timber and
 dense undergrowth. Asc. 105 ft., over W. slope, to
 Wash, 10 lks. wide, in gulch, course SW. near head.
 Ascend 61 ft., over S. slope.
 16.40 Spur, slopes W. Desc. 80 ft. over NW. slope.
 23.00 Wash, 10 lks. wide, in head of gulch, course W. Asc. 117 ft. over SW. slope
 30.70 Ridge, brs. NE & SE. Desc. 36 ft., over NW. slope.
 37.00 Ascend 17 ft., over W. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock,
 deposit a stone marked with a cross (x) at base of post,
 and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor.
 of sec. 24, and frac. sec. 23, with brass cap, marked

S23 | S24
 1923

No bearing trees available. Asc. 16 ft., over W. slope.
 46.60 Descend 178 ft., over NW. slope.
 58.20 Wash, 10 lks. wide, course W. Asc. 30 ft., over SW. slope.
 62.20 Spur, slopes NW. Desc. 57 ft., over NW. slope.
 79.30 Wash, 10 lks. wide, course W. Asc. 17 ft., over SW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the
 ground, for cor. of secs. 13 and 24, and frac. secs. 14 and
 23, with brass cap, marked

T13N | R13E
 S14 | S13
 S23 | S24
 1923

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, W. of cor.
 Land, mountainous. Soil, rocky, 4th rate.
 Timber, juniper and mesquite.
 Undergrowth, scrub oak, catclaw and cactus.

40.00 N. 89° 51' E., on a random line, bet. secs. 13 and 24.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Fall 9 lks. N. of the cor. of secs. 13, 18, 19 and 24, on E. bdy.
 of the Tp., hereinbefore described.
 Thence,
 S. 89° 55' W., on true line, bet. secs. 13 and 24.
 Over mountainous land, thru. very scattering timber and
 dense undergrowth. Desc. 439 ft., over steep SW. and W. slopes.

23.30 Wash, 10 lks. wide, in gulch, course S. Asc. 101 ft. over E. slope.
 28.70 Spur, slopes S. Desc. 147 ft., over W. slope, to
 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor. of secs. 13 and 24, with brass cap,
 marked

$\frac{1}{4}$ S 13
 S 24
 1923

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, N. of cor. Desc. slightly over W. slope.
 40.16 Wash, 10 lks. wide, course SE. Asc. 154 ft., over E. slope.
 45.61 Road, brs. NW and SE.
 52.76 Spur, slopes SE. Desc. 28 ft., over SW. slope.
 56.90 Wash, 10 lks. wide, course S. 5° E. Asc. 130 ft., over E. slope.
 67.00 Ridge, brs. N. and S. Desc. 117 ft., over SW. slope, to
 79.96 Intersect the cor. of secs. 13 and 24, and frac. secs. 14 & 23.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper.
 Undergrowth, scrub oak, buck brush and catclaw.

BOOK 3659

26 Survey of Subdivision lines of Frac. Township 13 N., R. 1 $\frac{1}{2}$ E.

Chains.	
25.75	N. 89° 43' W., on random line, bet. frac. secs. 14 and 23. Fall 4 lks. N. of the cor. of frac. secs. 14 and 23, on W. bdy. of the Tp., hereinbefore described. Thence, S. 89° 49' E., on true line, bet. frac. secs. 14 and 23. Over mountainous land, thru. very scattering timber and dense undergrowth. Asc. 94 ft., over NW. slope.
10.00	Point of spur, slopes N. Desc. 49 ft., over NE. slope.
11.75	Wash, 10 lks. wide, course NW. Asc. 111 ft., over SW. slope.
15.25	Point of spur, slopes SW. Desc. 38 ft., over SE. slope.
17.55	Wash, 10 lks. wide, course SW. Asc. 101 ft., over SW. slope, to
25.75	Intersect the cor. of secs. 13 and 24, and frac. secs. 14 and 23. Land, mountainous. Soil, rocky, 4th rate. Timber, juniper and mesquite. Undergrowth, scrub oak, buck brush, catclaw and cactus.

	N. 0° 1' W., on true line, bet. sec. 13, and frac. sec. 14. Over mountainous land, thru. very scattering timber and dense undergrowth. Asc. 76 ft., over SW. slope.
10.00	Spur, slopes W. Desc. 106 ft., over N. slope.
21.00	Wash, 10 lks. wide, course NW. Asc. 36 ft., over SW. slope.
24.50	Telephone line, brs. E. and W.
25.70	Spur, slopes NW. Desc. 162 ft., over NE. slope.
36.70	Road, brs. NW. and SE. in wash, 20 lks. wide, course NW. Ascend 26 ft., over S. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 13, and frac. sec. 14, with brass cap, marked
	S14 S13 1923
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Asc. 28 ft., over S. slope.
42.30	Spur, slopes W. Desc. 74 ft., over N. slope.
47.40	Wash, 20 lks. wide, course W. Asc. 183 ft., over S. slope.
62.40	Spur, slopes W. Desc. 40 ft., over NW. slope.
65.20	Wash, 10 lks. wide, course W. near head. Ascend 25 ft., over SW. slope.
68.80	Point of spur, slopes W. Desc. 49 ft., over N. slope.
73.20	Wash, 10 lks. wide, course W. Asc. 35 ft., over SW. slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 12 and 13, and frac. secs. 11 and 14, with brass cap, marked
	T13N R1 $\frac{1}{2}$ E S11 S12 S14 S13 1923
	No bearing trees available, Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, rocky, 4th rate. Timber, juniper and mesquite. Undergrowth, scrub oak, catclaw and cactus.

	N. 89° 55' E., on random line, bet. secs. 12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	Fall 14 lks. S. of the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described. Thence, S. 89° 49' W., on true line, bet. secs. 12 and 13. Over rolling land, thru. dense undergrowth. Asc. 15 ft. over S. slope to
4.25	Wash, 20 lks. wide, course SE. Enter mountainous land. Ascend 277 ft., over E. slope.
39.15	Ridge, brs. N. and S. Desc. 11 ft., over W. slope, to
40.07	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 12 and 13, with brass cap, marked
	S 12 S 13 1923
	No bearing trees available. Raise mound of stone, 3 ft. base, 2 ft. high, N. of cor. Desc. 259 ft., over W. slope.
53.00	Wash, 10 lks. wide, course NW. Asc. 16 ft., over NE. slope.
56.00	Point of spur, slopes NW.

BOOK 13659

Survey of Subdivision lines of frac. Township 13 North, Range 1 $\frac{1}{2}$ East. 27

Chains.

64.15 Descend 100 ft., over NW. slope, to
Same wash, 10 lks. wide, course W. from NE.
Descend 80 ft. along N. side of same.

71.25 Leave wash, course SW. from E.
Ascend 40 ft., over SE. slope.

76.25 Descend 68 ft., over SW. slope, to

80.14 Intersect the cor. of secs. 12 and 13, and frac. secs. 11 and 14.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, scrub oak, buck brush, catclaw and cactus.

25.74 N. 89° 49' W., on a random line, bet. frac. secs. 11 and 14.
Fall 1 lk. N. of the cor. of frac. secs. 11 and 14, on W. bdy. of the Tp., hereinbefore described,
Thence,
S. 89° 50' E., on true line, bet. frac. secs. 11 and 14.
Over mountainous land, thru. dense undergrowth.
Ascend 45 ft., over NW. slope.

5.60 Spur, slopes SW.
Descend 15 ft., over SE. slope.

7.94 Wash, 15 lks. wide, course SW.
Ascend 192 ft., over NW. slope.

19.74 Low ridge, brs. NE. and SW.
Descend 79 ft., over SE. slope.

25.50 Head of wash, course SW.
Ascend 5 ft., over SW. slope, to

25.74 Intersect the cor. of secs. 12 and 13, and frac. secs. 11 and 14.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, scrub oak, buckbrush, catclaw and cactus.

N. 0° 1' W., on true line, bet. sec. 12 and frac. sec. 11.
Over mountainous land, thru. dense undergrowth.

2.00 Ascend 23 ft., over SW. slope.

2.00 Lower ridge, brs. E. and SW. Desc. 52 ft., over NW. slope.

11.80 Wash, 10 lks. wide, course W.
Ascend 14 ft., over SW. slope.

13.40 Point of spur, slopes W.
Descend 31 ft., over NW. slope.

16.10 Wash, 10 lks. wide, course SW.
Ascend 71 ft., over S. slope.

28.40 Spur, slopes W.
Descend 58 ft., over N. slope.

31.90 Wash, 10 lks. wide, course W.
Ascend 123 ft., over SW. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 12, and frac. sec. 11, with brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Ascend 36 ft., over SW. slope.

44.40 Spur, slopes W.
Descend 27 ft., over NW. slope.

45.80 Wash, 10 lks. wide, course W. near head.
Ascend 90 ft., over steep SW. slope.

52.90 Ridge, brs. SE. and NW.

BOOK 3659

280 Survey of Subdivision lines of frac. Township 13 N., R. 1 $\frac{1}{2}$ E.

Chains.

76.00 Descend 180 ft., over NE. slope.
 Ascend 32 ft., over W. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the
 ground to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for cor. of secs. 1 and 12, and frac. secs.
 2 and 11, with brass cap, marked

T13N	R1 $\frac{1}{2}$ E
S 2	S 1
S11	S12
1923	

No bearing trees available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, scrub oak, buck brush, catclaw and cactus.

40.00 N. 89° 49' E., on a random line, bet. secs. 1 and 12.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Fall 4 lks. S. of the cor. of secs. 1, 6, 7 and 12, on E. bdy.
 of the Tp., hereinbefore described.
 Thence,
 S. 89° 47' W., on true line, bet. secs. 1 and 12.
 Over rolling land, thru. dense undergrowth.
 Ascend 28 ft., over SE. slope.
 9.00 Spur, slopes NE.
 Descend 15 ft., over NW. slope.
 16.10 Wash, 20 lks. wide, course N.
 Ascend 60 ft., over E. slope, to
 34.00 Enter mountainous land.
 Ascend 60 ft., over E. slope, to
 39.98 Ridge, brs. N. and S. Set an iron post, 3 ft. long, 1 in. in
 diam., 4 ins. in the ground to bed rock, deposit a stone,
 marked with a cross (x) at base of post, and raise a
 mound of stone around post, for $\frac{1}{4}$ sec. cor. of secs. 1 and
 12, with brass cap, marked

S 1
S 12
1923

No bearing trees available.
 Descend 160 ft., over NW. slope.
 55.90 Wash, 20 lks. wide, course NW.
 Ascend 69 ft., over NE. slope.
 64.80 Spur, slopes NW.
 Descend 133 ft., over W. slope.
 72.10 Wash, 10 lks. wide, course NW.
 Ascend 34 ft., over NE. slope.
 76.10 Low ridge, brs. NW and SE.
 Descend 34 ft. over W. slope, to
 79.96 The cor. of secs. 1 and 12, and frac. secs. 2 and 11.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, scrub oak, catclaw and cactus.

25.67 N. 89° 50' W., on a random line, bet. frac. secs. 2 and 11.
 Fall 10 lks. N. of the cor. of frac. secs. 2 and 11, on the W. bdy.
 of the Tp., hereinbefore described.
 Thence,
 N. 89° 56' E., on true line, bet. frac. secs. 2 and 11.
 Over mountainous land, thru. dense undergrowth.
 Ascend slightly over S. slope, to
 0.40 Wash, 30 lks. wide, course SW.
 Ascend 220 ft., over W. slope.

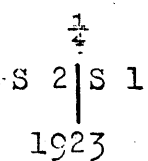
Survey of Subdivision lines of frac. Township 13 N., R. 1 1/2 E. 129

Chains.

17.00 Ridge, brs. N. and S.
 Descend 146 ft., over E. slope.
 25.30 Wash, 20 lks. wide, course NE.
 Ascend slightly over W. slope, to
 25.67 The cor. of secs. 1 and 12, and frac. secs. 2 and 11.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, catclaw, scrub oak and cactus.

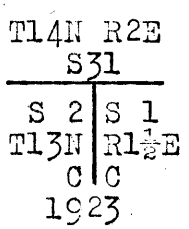
N. 0° 1' W., on true line, bet. sec. 1 and frac. sec. 2+
 Over mountainous land, thru. dense undergrowth.

0.50 Descend 6 ft., over W. slope, to
 Wash, 30 lks. wide, course NE.
 Descend slightly over NE. slope, to
 1.80 Same wash, course NW.
 Ascend 54 ft., over SW. slope.
 23.30 Low ridge, brs. NW and SE.
 Descend 43 ft., over NE. slope.
 27.00 Wash, 40 lks. wide, course NW.
 Ascend 35 ft., over SW. slope.
 32.70 Point of spur, slopes W.
 Descend 55 ft., over NW. slope.
 36.80 Wash, 20 lkw. wide, course W.
 Ascend 34 ft., over SW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for 1/4 sec. cor. of sec. 1 and frac. sec. 2, with
 brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, W. of cor.

Ascend 23 ft., over SW. slope.
 42.20 Road, Camp Verde to Dewey, brs. E. and W.
 45.00 Low ridge, brs. E. and W.
 Descend 51 ft., over N. slope.
 48.10 Head of wash, course NW.
 Ascend 21 ft., over SW. slope.
 49.10 Spur, slopes NW.
 Descend 83 ft., over N. slope.
 65.22 Intersect the SW. end line (2-3) of the Maclin patented
 lode mining claim, Mineral Survey No. 2541 at a point
 0.99 chs. N. 66° 15' W. from cor. No. 3 thereof. Thence across
 patented mining claims.
 74.50 Wash, 30 lks. wide, course W. Enter rolling land.
 Ascend 32 ft., over SW. and W. slopes to closing cor.
 74.60 Old road, brs. W. and SE.
 87.52 Intersect the S. bdy. of T. 14 N., R. 2 E. at a point 14.59 chs.
 W. from the reestablished 1/4 sec. cor. of sec. 31 of said
 Tp., described in Book "C" of this group.
 At point of intersection, set an iron post, 3 ft. long, 3
 ins. in diam., 26 ins. in the ground, for closing cor.,
 of sec. 1, and frac. sec. 2, with brass cap, marked



as on the grid
 rept. by H.S. Price
 4/4/33

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, S. of cor.

BOOK 3659

3039 Survey of Subdivision lines of frac. T. 13 N. R. 1 E.

Chains.

Land, mountainous and rolling.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, scrub oak, catclaw and cactus.

The continued satisfactory adjustment of the solar apparatus of the instruments used in the execution of the surveys described in the foregoing notes is indicated from field tests described in Book "C" of this group.

GENERAL DESCRIPTION.

This fractional township lies in the Black Hills, and on the East side of the Agua Fria river. The surface is mountainous, except in the E. $\frac{1}{2}$ of sec. 1, and is about 4,000 ft. above sea level.

The drainage is to the SW., into the Agua Fria, and to the east into Yarba Wash. The only land of agricultural value lies in the NE corner of the Tp. The grazing value of the land is fair. The soil is rocky, 3rd and 4th rate. There is very little timber in the township, and the undergrowth is dense throughout. Throughout the township, there are indications of valuable mineral deposits, and a number of patented mining claims are located in sec. 1, 2, and 36. Water is very scarce.

An old mine road enters the township on W. bdy. of sec. 14, and leaves at the NE. cor. of sec. 25. The main road from Camp Verde to Dewey, Arizona, crosses the northern part of the Tp. A telephone line from a mine in sec. 13 extends westerly to Humboldt, Arizona. There are no settlers.

9298 2100E

BOOK 3659

4-680

FIELD ASSISTANTS. to

Ty White, U. S. Transitman.

NAMES.	CAPACITY.
John B. McClung.	1st chainman.
Donald W. Allen.	2nd chainman.
Emory Chapman.	cornerman.
Carl Anderson.	axman.
Fred Ames.	flagman.

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ ^{TRANSITMAN}

32

I, Ty White, U. S. ~~Surveyor~~ ^{Transitman}, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 120, Arizona bearing date of the 26th day of May, 1922, 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 the 3rd Std. Par. N. thru Fractional Range 1 1/2 East, the East and North boundaries and Subdivision lines of Fractional Township 13 North, Range 1 1/2 East of the Gila & Salt River Base & Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 1 hereof} as having been executed by me, and under my direction; and 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 Group 120, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Long Beach Calif.
 Date July 27 1925

Ty White
 U. S. Surveyor
 Transitman

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 191

The foregoing field notes of the survey of

executed by

under his special instructions dated, 191 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

.....
U. S. Surveyor General

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

BOCK 3659

33

4-680

FIELD ASSISTANTS. to

Benjamin J. Kinsey, U. S. Transitman,

NAMES.	CAPACITY.
John W. Malzacher.	1st chainman.
Frank T. Burgess.	2nd chainman.
Homer Pepper.	cornerman.
Fred Ames.	axman.
Stephen Pool.	flagman.
Marshall Walton.	flagman.

CERTIFICATE OF UNITED STATES ^{TRANSITMAN} ~~SURVEYOR~~.

34

I, Benjamin J. Kinsey, U. S. ^{Transitman} ~~Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 120, Arizona bearing date of the 26th day of May, 1922, 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 _____
the West Boundary and
Subdivision lines of
Fractional Township 13 North, Range 1 1/2 East
_____ of the Gila and Salt
River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 1 hereof} as having been executed by me, and under my direction; and 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 Group 120, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Phoenix, Arizona.
Date APR 14 1925

Benjamin J. Kinsey
U. S. ~~Surveyor~~
Transitman.

APPROVAL.

OFFICE OF THE U. S. SUPERVISOR OF SURVEYS.

Denver, Colorado, August 13, 1925.

The foregoing field notes of the survey of the _____
Third Standard Parallel North, thru. fracl. Range 1 1/2 East,
East, West and North boundaries, and
Subdivision lines of
FRACTIONAL TOWNSHIP 13 NORTH, RANGE 1 1/2 EAST,
of the Gila and Salt River Base and Meridian, in the State of Arizona,
executed by Benjamin J. Kinsey and Ty White, U.S. Transitmen,
under his special instructions dated May 26th, 1922, for Group 120, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Donald W. Johnson
U. S. Supervisor of Surveys.

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.