

3699

3699/16

Book "B"  
4-679

BOOK 3699

# FIELD NOTES

OF THE SURVEY OF THE

North boundary,

Part (completion) of the West boundary, and

Part (completion) of the Subdivision lines, of

TOWNSHIP 12 SOUTH, RANGE 20 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Glenn F. Sawyer, U. S. Surveyor,

and

Theodore Vander Meer, U. S. Transitman,

In the capacity of U. S. Surveyors, under Special Instructions dated October 24, 1923, issued by the United States Surveyor General to govern surveys included in Group No. 125, Arizona, which were approved by the Commissioner of the General Land Office, November 3, 1923, and Assignment Instructions dated November 16, 1923

Survey commenced December 13, 1923

Survey completed December 26, 1923.

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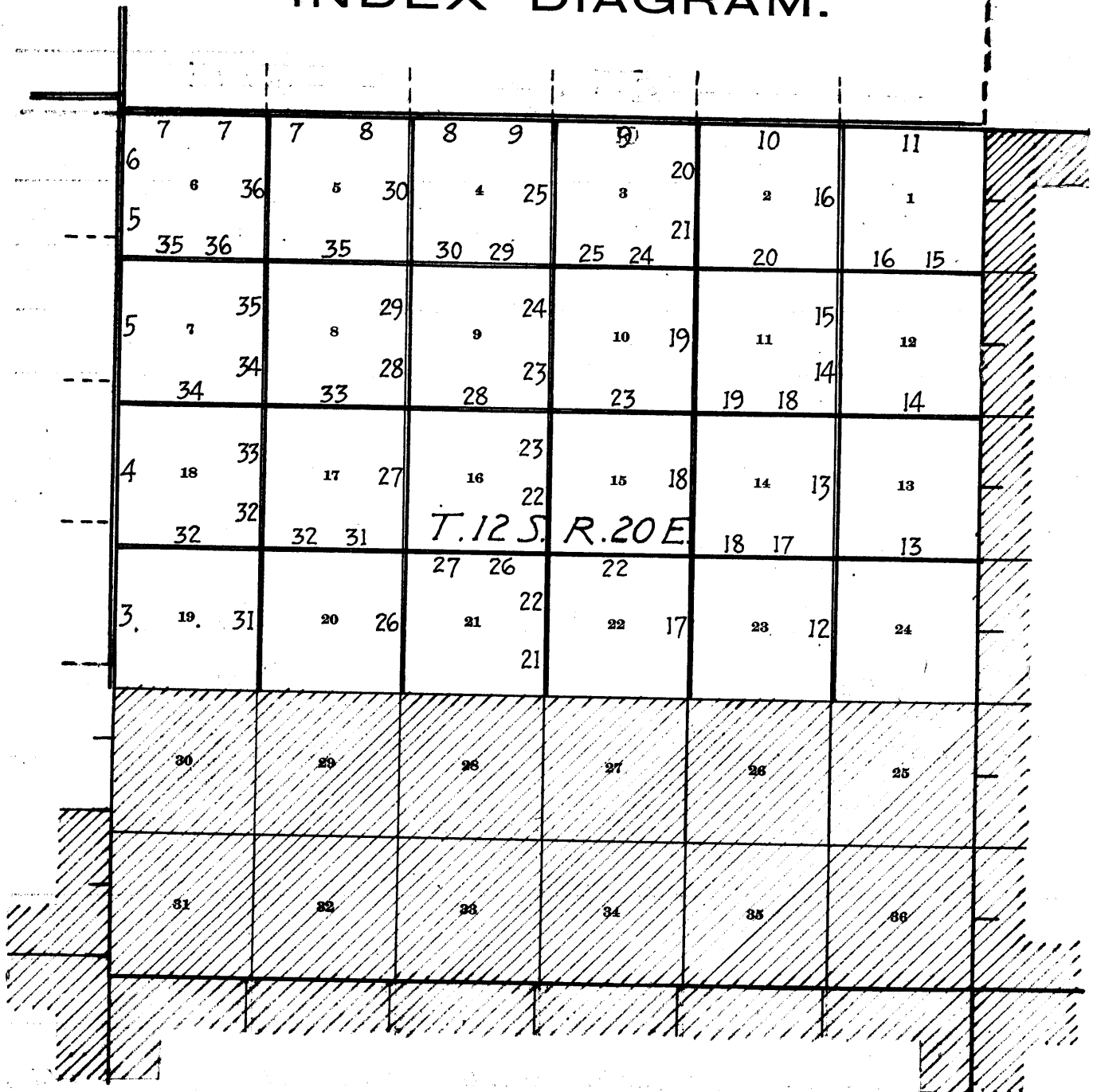
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Book "B"

Group 125 - - Arizona.

BOOK 3699

INDEX DIAGRAM.



— Accepted surveys.

- - - Unsurveyed.

— Lines surveyed under this group.

- - - Lines resurveyed under this group.

▨ Areas surveyed as per accepted plats on file.

**BOOK 3699**

Book "B"

Group 125 - - Arizona.

Township 12 South, Range 20 East.

DATE DIAGRAM  
1923.

**BOOK 3699**

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Indicates lines surveyed by Theodore Vander Meen, U.S. Transitman, on dates shown thereon.

Indicates lines surveyed by Glenn F. Sawyer, U.S. Surveyor, on dates shown thereon.

Indicates accepted surveys.

Surveys herein described were executed on dates shown on diagram on page 1 hereof, by Glenn F. Sawyer, U.S. Surveyor, using Young and Sons light mountain transit No. 8478, and Theodore VanderMeer, U.S. Transitman, using Buff and Buff light mountain transit No. 9208, each equipped with full vertical circle and Smith solar attachment; unless otherwise specified, all azimuth determinations were accomplished with the solar attachments.

December 11, 1923: We examine the adjustments of the transits and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from observations, made during a.m. and p.m. hours with a meridian established by Polaris observation, proceed as follows:

December 12, 1923: Using Buff and Buff transit No. 9208, at camp near center of sec. 24 (unsurv.) T. 12 S., R. 19 E. Gila and Salt River Base and Meridian, Arizona, latitude,  $32^{\circ}22\frac{1}{2}'$  N., longitude,  $110^{\circ}21\frac{1}{2}'$  W., at 2h. 11.9m. a.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground 5 chs. N.

Azimuth of Polaris at western elongation =  $1^{\circ}18'15''$ .

At 7h. 45m. a.m., l.m.t., we lay off the azimuth of Polaris,  $1^{\circ}18'$  to the east, and mark the meridian thus determined by a tack driven firmly in a peg, in the ground, 5 chs. N.

At 9h. 0m. a.m., l.m.t., we set off  $32^{\circ}22\frac{1}{2}'$  N. on the lat. arcs;  $22^{\circ}00\frac{1}{2}'$  S. on the decl. arc, and determine a meridian with the solars, which we find to agree with the true meridian.

At apparent noon, with the lat. arcs unchanged, observe the sun on the meridian, and obtain a reading of  $23^{\circ}1\frac{1}{2}'$  S. on the decl. arc, which agrees with the computed decl. of the sun.

At 3h. 00m. p.m., l.m.t., with the lat. arcs unchanged, set off  $23^{\circ}1\frac{1}{2}'$  S. on the decl. arcs, and determine a meridian with the solars, which we find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within  $1'30''$  of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

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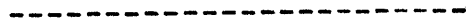
Unless otherwise specified, all measurements are made with Lufkin steel tapes, 5 chs. in length, compared with a Lufkin 1 ch. standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurements properly reduced to true horizontal distances.

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The south mile of the West bdy.of T.12 S.,R.20 E., was surveyed by J.L.Harris,U.S.D.S. in 1879,establishing the township cor., $\frac{1}{4}$  sec.cor. and sec.cor. with a common reference to areas on both sides of the range line. In 1913, J.F.Hesse,U.S.S. in connection with his survey of the south two tiers of secs.of T.12 S.,R.20 E.,resurveyed the East bdy,of sec.36,T.12 S.,R.19 E., surveyed the East bdy.of sec.25,established closing Tp. and sec.cors. on the Range line for reference to areas E. thereof,and changed the original Tp. cor., $\frac{1}{4}$  sec.and sec.cor.to refer to areas W.of line only.

No other resurvey or retracement of this township bdy.is of record.

The following notes describe the survey of the North four miles of the W. bdy.of T.12 S.,R.20 E.,establishing thereon one set of cors.referring to areas E.of line only.



The original closing cor.of secs.19 and 30,T.12 S.,R.20 E. is an iron post, 2 ins.in diam.,projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked mesquite-bearing trees, one N.49 $\frac{1}{2}$ °E.,52 lks.dist., and the other S.34 $\frac{1}{2}$ °E.,59 lks.dist.

Thence,  
North, on true line,on W. bdy. of sec.19.  
Over mountainous land, thru. very scattering timber and dense undergrowth.

- Ascend 20 ft.,over SW. slope.
- 1.26 Descend 72 ft., over NW. slope.
- 7.53 Intersect the original witness cor.to cor.of secs.24 and 25,T.12 S.,R.19 E., which is an iron post, 3 ins. in diam.,projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W.of cor., and one properly marked cedar bearing tree, 28 ins.in diam.,N.82°W.,17 lks. dist.
- 8.21 True point for cor.of secs.24 and 25,T.12 S.,R.19 E.in wash,80 lks.wide, course NW.
- Ascend 38 ft.,over SW. slope.
- 9.70 Descend 36 ft.,over NW.slope,to
- 11.82 Enter same wash, course N.from SW.
- Descend 33 ft.,in wash to
- 14.58 Leave wash,course NE.from S.
- Ascend 17 ft., over SE.slope.
- 16.20 Descend 25 ft.,over E. slope,to
- 22.45 Same wash,100 lks.wide, course NW.
- Ascend 140 ft.,over S.slope,to
- 40.00 Set an iron post, 3 ft.long, 1 in.in diam.,27 ins.in the ground, for  $\frac{1}{4}$  sec.cor.of sec.19 only, marked on brass cap,

1/4 S19

1923

- No bearing trees available.
- Raise a mound of stone, 3 ft. base, 2 ft.high,E.of cor.
- Ascend 135 ft.,over S.slope.
- 47.10 Spur,slopes W.
- Descend 134 ft., over NW.slope.
- 55.60 Ascend 18 ft.,over SW.slope.
- 57.20 Spur,slopes W.
- Descend 24 ft.,over NW.slope,to
- 60.60 Point of spur,slopes NW.
- Descend 82 ft.,over NW.slope.
- 65.00 Wash,30 lks.wide, course SW. Enter rolling land.
- Ascend 37 ft.,over SE.slope.
- 71.90 Point of spur,slopes SE.
- Descend 30 ft.,over NE.slope.
- 77.20 Ascend gradually over E.slope,to
- 80.00 Set an iron post,3 ft.long, 2 ins. in diam.,27-ins.in

4 Survey of part(completion)of West bdy.of T. 12 S., R.20 E.

Chains.

the ground for cor.of secs.18 and 19 only, marked on brass cap,

T12S	T12S
R19E	R20E
S24	S18
	S19

1923

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft.high, E.of cor.  
 Land, mountainous and rolling.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, mesquite, palo verde and juniper.  
 Undergrowth, scrub mesquite, juniper and palo verde and cactus.

North, on true line, on W. bdy.of sec.18.  
 Over rolling land, thru.scattering timber and dense undergrowth.

- 4.55 Ascend 34 ft., over E.slope, to Enter mountainous land.
- 11.10 Ascend 144 ft. over SE.slope. Spur, slopes SW.
- 18.30 Descend 41 ft., over NW.slope.
- 22.95 Ascend 80 ft., over SE. slope.
- 28.00 Descend 34 ft., over NE.slope.
- 32.40 Ascend 36 ft., over SE.slope. Spur, slopes SW.
- 40.00 Descend 60 ft., over NW.slope, to Set an iron post, 3 ft. long, 1 in.in diam., 10 ins.in the ground to bed rock, supported in a mound of stone, for  $\frac{1}{4}$  sec.cor.of sec.18 only, marked on brass cap,

$\frac{1}{4}$ S18

1923

from which,  
 A juniper, 8 ins.in dia., brs.N.29 $\frac{1}{2}$ °E., 130 lks. dist., marked  $\frac{1}{4}$ S18 BT.  
 An oak, 5 ins. in diam., brs.S.32°E., 142 lks. dist., marked  $\frac{1}{4}$  S 18 BT.

- 41.20 Descend slightly over NW.slope, to Wash, 10 lks.wide, course SW.
- 48.90 Ascend 97 ft., over S.slope. Broken sandstone spur, slopes W.
- 56.40 Descend 66 ft., over N.slope. Wash, 10 lks.wide, course W.
- 58.60 Ascend 433 ft., over steep broken SW.slope.
- 78.00 Top of sandstone cliff, 50 ft.high, brs.E.and W., facing S. Top of ascent on W.side of hill, the top of which brs.E. 2.00 chs.dist.
- 80.00 Descend 23 ft., over NW.slope, to Set an iron post, 3 ft.long, 2 ins.in diam., over a cross (x) marked on surface rock, and raise a mound of stone around post, for cor.of secs. 7 and 18 only, marked on brass cap,

T12S	T12S
R19E	R20E
S13	S 7
	S 18

1923

No bearing trees available.  
 Land, rolling and mountainous.  
 Soil, sandy and rocky, 3rd and 4th rate.  
 Timber, juniper and oak.  
 Undergrowth, scrub mesquite, oak, catclaw and cactus.

XE

X

Survey of part(completion)of West bdy.of Township 12 South,R.20 E. 5

Chains.

North, on true line, on W. bdy. of sec. 7.  
 Over mountainous land, thru. dense undergrowth.  
 Descend 85 ft., over NW. slope, to  
 5.25 South or left rim of canyon, brs. E. and W.  
 Descend 320 ft., over precipitous N. slope.  
 15.60 Wash, 15 lks. wide, course W: in bottom of canyon.  
 Ascend 150 ft., over precipitous S. slope, to  
 20.20 North or right rim of canyon, brs. E. and W., and point of  
 spur, sloping SW.  
 Descend 70 ft., over NW. slope.  
 25.00 Wash, 10 lks. wide, course SW.  
 Ascend 127 ft., over S. slope.  
 30.10 Spur, slopes W.  
 Descend 350 ft., over cliffs, facing N.  
 37.70 Dry bed of Cherry Creek, course W. in bottom of canyon.  
 Ascend 20 ft., over SE. slope, to  
 39.80 Foot of cliff bearing NE. and SW. facing SE.  
 Set an iron post, 3 ft. long, 1 in. in diam., 16 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 witness cor. to  $\frac{1}{4}$  sec. cor. of  
 sec. 7 only, marked on brass cap,

W C  
 |  
 1/4 S 7  
 1923

No bearing trees available.  
 Ascend over cliff, about 40 ft. high, facing SE.  
 40.00 True point for  $\frac{1}{4}$  sec. cor. of sec. 7 falls on face of cliff,  
 where it is impracticable to monument the cor.  
 40.30 Top of cliff.  
 Ascend 16 ft., over SE. slope, to  
 41.80 Point of spur, slopes SE.  
 Descend 40 ft., over NE. slope, to  
 48.10 Enter dry bed of Cherry Creek, course SE. from N.  
 Ascend 15 ft., in creek bed to  
 52.00 Leave bed of Cherry Creek, course S. from NE. in bottom  
 of canyon.  
 Ascend 360 ft., over SE. slope.  
 63.50 Fence brs. NE. and SW.  
 66.50 Ridge, brs. E. and W. Enter rolling land.  
 Descend 75 ft., over N. slope.  
 79.00 Draw, course NW.  
 Descend slightly over W. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in  
 the ground, for cor. of secs. 6 and 7, only, marked on brass  
 cap,

T12S | T12S  
 R19E | R20E  
 S12 | S 6  
 | S 7  
 1923

No bearing trees available.  
 Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.  
 Land, mountainous and rolling.  
 Soil, sandy and rocky, 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, scrub mesquite, palo verde and catclaw, grease-  
 wood and cactus.

-----  
 North, on true line, on W. bdy. of sec. 6.  
 Over rolling land, thru. dense undergrowth.  
 Descend gradually, over W. slope.  
 5.20 Spur, slopes NW.  
 Descend 54 ft., over NE. slope.

6 Survey of part (completion) of West bdy. of T. 12 S., R. 20 E.

Chains.

11.50 Center of wash, 90 lks. wide, course W.  
Ascend 54 ft., over gradual SE. slope, to

21.10 Enter mountainous land.  
Ascend 132 ft., over SE. slope.

31.00 Spur, slopes W. Enter rolling land.  
Descend 64 ft., over N. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 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  $\frac{1}{4}$  sec. cor. of sec. 6 only, marked on brass  
cap,

	S 6
1923	

No bearing trees available.  
Descend 70 ft., over N. slope.

46.00 Old road, brs. NE. and SW.

50.34 Wash, 10 lks. wide, course W. Asc. 25 ft., over S. slope.

50.54 Fence brs. NE. and SW.

54.93 Low spur, slopes W.  
Descend 76 ft., over NW. slope.

66.07 Wash, 15 lks. wide, course SW.  
Ascend 60 ft., over SE. and S. slopes.

75.00 Spur, slopes W. Enter mountainous land.  
Descend 70 ft., over NW. slope, to

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 15 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 Ts. 11 and 12 S., R. 20 E., marked  
on brass cap,

	T11S
T12S	R20E
R19E	S31
S 1	S 6
	T12S
1923	

No bearing trees available.  
Land, rolling and mountainous.  
Soil, sandy and gravelly, 3rd rate.  
Timber, none.  
Undergrowth, scrub mesquite, palo verde, oak and juniper,  
greasewood and cactus.





Survey of North boundary of Township 12 South, Range 20 East. 7

Chains.

From the cor. of Ts. 11 and 12 S., Rs. 20 and 21, E., hereinafter described,  
 West, on a random line, setting temp. cors. at intervals of 40.00 chs., and at 457.70 chs., fall 53 lks. N. of the cor. of Ts. 11 and 12 S., R. 20 E., hereinbefore described. The falling answers to a correction of 0°04', or 9 lks. S. per mile, counting from the NE. cor. of T. 12 S., R. 20 E.  
 From cor. of Ts. 11 and 12 S., R. 20 E.,  
 N. 89°56' E., on true line, bet. secs. 6 and 31.  
 Over mountainous land, thru. scattering timber and dense undergrowth.  
 Ascend 110 ft., over NW. slope.  
 6.78 Spur, slopes N.  
 Descend 115 ft., over NE. slope.  
 16.80 Wash, course NE. near head.  
 Ascend slightly over NW. slope, to  
 17.70 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 1/4 sec. cor., marked on brass cap,

1/4	S	31
	S	6
		1923

No bearing trees available.  
 Ascend 10 ft., over NW. slope.  
 21.68 Spur, slopes NE.  
 Descend 150 ft., over SE. slope.  
 22.39 Fence, brs. NE. and SW.  
 27.40 Wash, 12 lks. wide, course NE.  
 Ascend 70 ft., over NW. slope.  
 32.00 Spur, slopes NE.  
 Descend 45 ft., over E. slope.  
 33.92 Wash, 8 lks. wide, course NE.  
 Ascend 257 ft., over W. slope.  
 48.90 Spur, slopes N.  
 Descend 168 ft., over E. slope to sec. cor.  
 49.02 Fence, brs. N. and S.  
 49.12 Fence, brs. NE. and SW.  
 57.70 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bed rock, supported in a mound of stone for cor. of secs. 5, 6, 31 and 32, marked on brass cap,

T11S	R20E
S31	S32
S 6	S 5
T12S	
	1923

from which,  
 A juniper, 16 ins. in diam., brs. S. 64 1/2° W., 109 lks. dist., marked T12S R20E S6 BT.  
 A juniper, 10 ins. in diam., brs. N. 15 1/2° W., 51 lks. dist., marked T11S R20E S31 BT.  
 A juniper, 12 ins. in diam., brs. S. 15 1/2° E., 90 lks. dist., marked T12S R20E S5 BT.

No other bearing trees available.  
 Land, mountainous.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, juniper.  
 Undergrowth, scrub mesquite, greasewood, palo verde, cat-claw, juniper, oak and cactus.

N. 89°56' E., on true line, bet. secs. 5 and 32.  
 Over mountainous land, thru. scattering timber and dense undergrowth.  
 Descend 12 ft., over E. slope, to  
 0.55 Wash, course NE. near head.  
 Descend 85 ft., over NE. slope.

8 Survey of North bdy. of Township 12 South Range 20 East

Chains.

- 7.61 Wash, 15 lks. wide, course N.
- Ascend 115 ft., over W. slope.
- 12.95 Spur, slopes N.
- Descend 160 ft., over E. slope.
- 25.20 Wash, 25 lks. wide, course N.
- Ascend 156 ft., over W. slope.
- 31.10 Spur, slopes N.
- Descend 131 ft., over E. slope.
- 36.57 Wash, 15 lks. wide, course N.
- Ascend 80 ft., over W. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, supported in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 32  
 S 5  
 1923

from which,

- A juniper, 6 ins. in diam., brs. S:70°E., 90 lks. dist., marked  $\frac{1}{4}$  S 5 BT.
- A juniper, 6 ins. in diam., brs. N:45°W., 41 lks. dist., marked  $\frac{1}{4}$  S 32 BT.

- Ascend 65 ft., over W. slope.
- 46.08 Spur, slopes N.
- Descend 150 ft., over E. slope.
- 52.00 Wash, 15 lks. wide, course N.
- Ascend 90 ft., over W. slope, to
- 62.00 Foot of cliff, facing W.
- Ascend 300 ft., to
- 65.20 Top of cliff, brs. N. and S., facing W.
- Ascend 185 ft., over W. slope.
- 73.57 Ridge, brs. N. and S.
- Descend 196 ft., over E. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 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. 4, 5, 32 and 33, marked on brass cap,

T11S	R20E
S32	S33
S 5	S 4
T12S	
1923	

No bearing trees available.  
 Land, mountainous.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, juniper.  
 Undergrowth, scrub mesquite, palo verde, greasewood, oak and cactus.

- N. 89°56'E., on a true line, bet. secs. 4 and 33.
- Over mountainous land, thru. very scattering timber and dense undergrowth.
- Descend 218 ft., over E. slope.
- 15.28 Wash, 8 lks. wide, course S.
- Ascend 262 ft., over W. slope.
- 32.80 Descend 62 ft., over E. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 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., marked on brass cap,

$\frac{1}{4}$  S 33  
 S 4  
 1923

- No bearing trees available.
- 48.48 Descend 160 ft., over SE. slope.
- Wash, 10 lks. wide, course SE.

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Survey of North boundary of Township 12 South, Range 20 East. 9

chains.

- 54.20 Ascend 86 ft., over SW. slope.  
Point of spur, slopes S.  
Descend 60 ft., over SE. slope.
- 57.34 Fence, brs. NE. and SW.
- 59.18 Bottom of gulch, course S.  
Ascend 98 ft., over W. slope.
- 67.10 Point of spur, slopes SW.  
Descend 71 ft., over SE. slope.
- 73.20 Bottom of gulch, course SW.  
Ascend 144 ft., over NW. slope, to
- 79.60 Spur, slopes SW.  
Descend slightly over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 3, 4, 33 and 34, marked on brass cap,

T11S R20E  
S33 S34  
 S 4 S 3  
 T12S  
 1923

- from which,
- A live oak, 16 ins. diam., brs. N. 65° E., 280 lks. dist., marked T11S R20E S34 BT.
  - A mesquite, 10 ins. in diam., brs. S. 17° E., 42 lks. dist., marked T12S R20E S3 BT.
  - A live oak, 6 ins. in diam., brs. S. 21½° W., 370 lks. dist., marked T12S R20E S4 BT.
  - A live oak, 8 ins. in diam., brs. N. 32½° W., 63 lks. lks. dist., marked T11S R20E S33 BT.

Land, mountainous.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, live oak and juniper.  
 Undergrowth, scrub mesquite, palo verde, greasewood, catclaw, cactus and scrub oak.

- 
- N. 89° 56' E., on true line, bet. secs. 3 and 34.  
Over mountainous land, thru scattering timber and dense undergrowth.
  - 10.60 Descend 150 ft., over SE. slope.  
Bottom of canyon, course SW.
  - 36.50 Ascend 800 ft., over W. slope.  
Top of hill.
  - 40.00 Descend 120 ft., over E. slope, to  
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 ¼ sec. cor., marked on brass cap,

¼ S 34  
S 3  
 1923

- from which,
- A juniper, 6 ins. in diam., brs. S. 66½° E., 26 lks. dist., marked ¼ S 3 BT.
  - A live oak, 10 ins. in diam., brs. N. 55° W., 42 lks. dist., marked ¼ S 34 BT.

- 54.70 Descend 340 ft., over NE. slope.
- 56.00 Ascend 30 ft., over NW. slope.
- 58.30 Descend 120 ft., over N. slope.
- 64.00 Fence brs. N. 60° E. and S. 60° W.  
Low divide, brs. NE. and SW.  
Ascend 240 ft., over S. and SW. slopes, to
- 74.70 Top of cliff, 150 ft. high, bearing NW. and SE., facing SW.  
Ascend 26 ft.
- 76.80 Spur, slopes SE.  
Descend 33 ft., over E. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, supported in a mound of stone, for cor. of secs. 2, 3, 34 and 35, marked on brass cap,

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## 10 Survey of North boundary of Township 12 South Range 20 East

Chains.

T11S	R20E
S34	S35
S 3	S 2
T12S	
1923	

from which,

A juniper, 6 ins. in diam., brs. N. 74° E., 194 lks.  
dist., marked T11S R20E S35 BT.A juniper, 6 ins. in diam., brs. S. 64° E., 373 lks.  
dist., marked T12S R20E S2 BT.An oak, 10 ins. in diam., brs. S. 24½° W., 193 lks.  
dist., marked T12S R20E S3 BT.An oak, 6 ins. in diam., brs. N. 53° W., 276 lks.  
dist., marked T11S R20E S34 BT.

Land, mountainous.

Soil, gumbo, 3rd rate.

Timber, juniper and oak.

Undergrowth, yucca, scrub mesquite, cottonwood and cactus.

N. 89° 56' E., on a true line, bet. secs. 2 and 35.

Over mountainous land, thru. scattering timber and dense  
undergrowth.14.00 Descend 171 ft., over E. slope,  
Bottom of gulch, course S.26.50 Ascend 136 ft., over W. slope,  
Ridge, brs. N. and S.38.80 Descend 300 ft., over E. slope, to  
Bottom of gulch, 8 lks. wide, course SE.40.00 Descend slightly along S. slope, to  
Set an iron post, 3 ft. long, 1 in. in diam., on surface  
rock, supported in a mound of stone, for ¼ sec. cor.,  
marked on brass cap,

¼ S	S 35
S	2
1923	

from which,

A juniper, 10 ins. in diam., brs. S. 5° E., 142  
lks. dist., marked ¼ S 2. BT.A juniper, 8 ins. in diam., brs. N. 17½° W., 170  
lks. dist., marked ¼ S 35. BT.44.70 Descend 60 ft., over SE. slope, to  
Bottom of gulch, course NE.48.70 Descend 40 ft., over NE. slope, to  
Bottom of gulch, 5 lks. wide, course N.62.50 Ascend 120 ft., over NW. slope.  
Spur, slopes N.80.00 Descend 50 ft., over NE. slope, to  
Set an iron post, 3 ft. long, 2 ins. in diam., 7 ins. in  
the ground to bed rock, supported in a mound of stone  
for cor. of secs. 1, 2, 35 and 36, marked on brass cap,

T11S	R20E
S35	S36
S 2	S 1
T12S	
1923	

from which,

An oak, 10 ins. in diam., brs. N. 54° E., 254 lks.  
dist., marked T11S R20E S36 BT.A juniper, 10 ins. in diam., brs. S. 47½° E., 142 lks.  
dist., marked T12S R20E S1 BT.A juniper, 10 ins. in diam., brs. S. 28° W., 14 lks.  
dist., marked T12S R20E S2 BT.A juniper, 10 ins. in diam., brs. N. 43° W., 173 lks.  
dist., marked T11S R20E S35 BT.

Land, mountainous.

BOOK 3699  
2008

Survey of North boundary of Township 12 South, Range 20 East, 11

Chains

Soil, gumbo, 3rd rate.  
Timber, oak and juniper.  
Undergrowth, cactus, yucca and scrub mesquite.

N.89°56'E., on true line, bet. secs.1 and 36.  
Over mountainous land, thru. scattering timber and dense undergrowth.

5.80 Descend 100 ft., over NE.slope.  
Bottom of gulch, 40 lks.wide, course N.  
Ascend 410 ft., over SW. slope to  $\frac{1}{4}$  sec.cor.

6.00 Road, brs. N.and S.

40.00 Set an iron post, 3 ft.long, 1 in. in diam., 15 ins. in the ground to bed rock, supported in a mound of stone, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$  S 36  
S 1  
1923

from which,  
A juniper, 8 ins. in diam., brs. N.31 $\frac{1}{4}$ °E., 220 lks.dist., marked  $\frac{1}{4}$  S 36 BT.  
A juniper, 8 ins. in diam., brs. S.12°W., 55 lks.dist., marked  $\frac{1}{4}$  S 1 BT.

57.00 Ascend 240 ft., over SW.slope, to Bottom of gulch, course S.80°W.

80.00 Ascend 672 ft., over NW.slope, to

Intersect the cor.of Ts. 11 and 12 S., Rs.20 and 21 E., established in 1916 by Quintin Campbell, U.S.T., which is an iron post, 3 ins. in diam., projecting 12 ins.above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone W.of post. No bearing trees.

Land, mountainous.  
Soil, gumbo, 4th rate.  
Timber, juniper, live oak and cottonwood.  
Undergrowth, greasewood, scrub mesquite and catclaw.

BOOK 3699

12 Survey of part (completion) of the Subdivision lines of T.12S. R. 20 E.  
Chains.

The Subdivision lines of the south two tiers of sections in this township were surveyed by J.F.Hesse, U.S.S. in 1913.

The following notes describe the survey of the Subdivision lines of the north four tiers of sections in T.12 S., R.20 E., which completes the subdivision of the township.

-----

The cor. of secs. 23, 24, 25 and 26 is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by four properly marked bearing trees, one each NE., SE., SW. and NW. of cor.

Thence,

N.0°1'W., bet. secs. 23 and 24.

Over mountainous land, thru scattering timber and dense undergrowth.

39.95 Ascend 640 ft., over SW. slope.

Saddle in ridge, brs. NW. and SE.

40.00 Descend slightly to

Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on Brass cap,

$\frac{1}{4}$   
S23 | S24

1923

from which,

A live oak, 10 ins. in diam., brs. N.18°E., 20 lks. dist., marked  $\frac{1}{4}$  S 24 BT.

A live oak, 20 ins. in diam., brs. S.30°E., 78 lks. dist., marked  $\frac{1}{4}$  S 23 BT.

74.00 Descend 420 ft., over NE. slope.

Bottom of gulch, course SE.

80.00 Ascend 100 ft., over SE. slope, to

Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, supported in a mound of stone, for cor. of secs. 13, 14, 23 and 24, marked on brass cap,

T12S | R20E  
S14 | S13  
S23 | S24

1923

from which,

A live oak, 14 ins. in diam., brs. N.76°E., 60 lks. dist., marked T12S R20E S13 BT.

A live oak, 10 ins. in diam., brs. S.22 $\frac{1}{2}$ °E., 345 lks. dist., marked T12S R20E S24 BT.

A live oak, 10 ins. in diam., brs. S.81°W., 105 lks. dist., marked T12S R20E S23 BT.

A live oak, 6 ins. in diam., brs. N.60 $\frac{1}{2}$ °W., 135 lks. dist., marked T12S R20E S14 BT.

Land, mountainous.

Soil, sandy and rocky, 4th rate.

Timber, live oak and juniper.

Undergrowth, yucca, cactus and manzanita.

-----  
N.89°51'E., on a random line, bet. secs. 13 and 24.

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

79.62 Fall 28 lks. N. of the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., established by Quintin Campbell, U.S.T. in 1916, which is an iron post, 3 ins. in diam., projecting 4 ins. above a mound of stone, 4 ft. base,

Chains.

2 1/2 ft. high, in which it is firmly set. The brass cap is properly marked, and the cor. is witnessed by a mound of stone, W. of cor.

No bearing trees.

Thence,

N. 89° 57' W., on a true line, bet. secs. 13 and 24.

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

Descend 24 ft., over SW. slope.

1.72 Bottom of "Double R" Canyon, course S. 5° E., containing a stream of water, 4 lks. wide, 2 ins. deep.

2.40 Road, brs. N. and S.

Ascend 80 ft., over E. slope.

14.40 South end of ridge, brs. N. and S.

Descend 110 ft., over SW. slope.

36.10 Draw, course SE.

Ascend 130 ft., over E. slope, to

39.81 Set an iron post, 3 ft. long, 1 in. in diam., 10 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 1/4 sec. cor., marked on brass cap,

1/4 S 13  
S 24  
1923

No bearing trees available.

Ascend 250 ft., over E. slope.

64.00 Spur, slopes S.

Descend 200 ft., over W. slope.

71.82 Bottom of gulch, course S. 10° W.

Ascend 118 ft., over SE. slope, to

79.62 The cor. of secs. 13, 14, 23 and 24.

Land, mountainous.

Soil, sandy and gravelly, 3rd rate.

Timber, juniper and cottonwood.

Undergrowth, yucca, cactus and manzanita.

N. 0° 1' W., bet. secs. 13 and 14.

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

Ascend 300 ft., over SE. slope, to

20.00 Spur, slopes E.; thence along rolling E. slope.

Ascend 50 ft. to sec. cor.

21.00 Fence, brs. E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 9 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 1/4 sec. cor., marked on brass cap,

1/4 S 14 | S 13  
1923

No bearing trees available.

Ascend 25 ft., over SE. slope.

45.00 Spur, slopes E.

Descend 150 ft., over NE. slope.

60.00 Wash, course E. Enter rolling land.

Ascend 50 ft., over SE. slope.

65.00 Low divide, brs. NE. and SW.

Descend 40 ft., over NW. slope.

75.00 Wash, 10 lks. wide, course NE.

Descend slightly over E. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap,

## 14 Survey of part(completion)of Subdivision lines of T.12 S.,R.20 E.

Chains.

T12S	R20E
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 and rolling.  
 Soil, gumbo, 3rd rate.  
 Timber, oak and juniper.  
 Undergrowth, cactus, yucca and scrub mesquite.

40.00 S.89°57'E., on random line, bet. secs.12 and 13.  
 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.50 Fall 2 lks.S. of the cor.of secs.7,12,13 and 18, on the E. bdy.of the Tp., established by Quintin Campbell, U.S.T.in 1916, which is an iron post 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of cor.  
 No bearing trees.  
 Thence,  
 N. 89° 58'W., on true line, bet. secs.12 and 13.  
 Over mountainous land, thru. scattering timber and medium undergrowth.  
 Ascend 22 ft., over SE.slope.  
 .80 Fence, brs. N.and S.  
 4.20 Descend 270 ft., over SW.slope.  
 24.50 Road, brs.N.10°W.and S.10°E.  
 25.00 Bottom of "Double R" canyon, course S.10°E., containing small stream of water, 2 lks.wide, 2 ins.deep.  
 Ascend 120 ft., over NE.slope, to  
 39.75 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  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$  S 12  
 S 13  
 1923

from which,  
 A juniper, 8 ins. in diam., brs.S.74°E., 254 lks. dist., marked  $\frac{1}{4}$  S 13 BT.  
 A juniper, 6 ins. in diam., brs.N.76°W., 167 lks. dist., marked  $\frac{1}{4}$  S 12 BT.  
 Ascend 20 ft., over NE.slope.  
 41.30 Fence, brs.N.and S.  
 41.50 Ridge, brs.NW. and S.  
 Descend 58 ft., over SW.slope.  
 46.70 Head of draw, course S.  
 Ascend 150 ft., over SE.slope.  
 56.90 Ridge, brs.NE. and SW.  
 Descend 140 ft., over NW.slope.  
 78.50 Wash, 12 lks.wide, course N. Enter rolling land.  
 Ascend slightly over E.slope, to  
 79.50 The cor.of secs.11,12,13 and 14.  
 Land, mountainous and rolling.  
 Soil, gumbo, 3rd rate.  
 Timber, juniper, oak and cottonwood.  
 Undergrowth, cactus, yucca and scrub mesquite.

N.0°1'W., bet. secs. 11 and 12.  
 Over rolling land, thru. scattering timber and undergrowth.  
 Descend gradually over NE.slope.  
 4.00 Wash, 12 lks.wide, course N.20°W,  
 Ascend gradually over SW.slope.  
 20.00 Descend gradually over NW.slope.  
 27.00 Fence, brs.E. and W.



Survey of part(completion)of Subdivision lines of T 12 S., R.20 E. 15

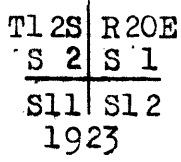
Chains.

- 27.60 Wash, 4 lks.wide, course W. Enter mountainous land.
- Ascend 200 ft.,over SW.slope,to
- 37.10 Top of malpais cliff, bearing NW and SE.,facing SW.
- Ascend gradually to
- 39.20 Spur,slopes W.
- Descend 20 ft.,over N.slope,to
- 40.00 Set an iron post, 3 ft.long, 1 in.in diam.,on surface rock, supported in a mound of stone, for  $\frac{1}{4}$  sec.cor., marked on brass cap,



from which,  
 A juniper, 6 ins.in diam.,brs.N.68 $\frac{1}{2}$ °E.,136 lks.dist., marked  $\frac{1}{4}$  S.12 BT.  
 A juniper,12.ins.in diam.,brs.N.86°W.,85 lks.dist., marked  $\frac{1}{4}$  S 11 BT.

- 48.00 Descend 170 ft.,over N.slope..
- Bottom of gulch, course W.
- Ascend 120 ft.,over SE.slope,to
- 54.50 Point of spur, slopes SE.
- Ascend 25 ft.,over E. and SE.slopes.
- 60.00 Ridge, brs.E.and W. Enter rolling land.
- Descend 50 ft., over N.slope,to
- 67.00 Draw, course IW.
- Descend gradually over W.slope.
- 74.90 Wash,10 lks.wide, course W.
- Ascend 40 ft., over S.slope to sec.cor.
- 77.00 Fence, brs.E.and W.
- 80.00 Set an iron post, 3 ft. long,2 ins.in diam.,14 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.1,2,11 and 12, marked on brass cap,



No bearing trees available.  
 From this cor. a cabin brs.S.45°W.,about 7 chs.dist.  
 Land, rolling and mountainous.  
 Soil,gumbo, 3rd rate.  
 Timber, juniper and oak.  
 Undergrowth, yucca,scrub mesquite and cactus.

- 40.00 S.89°58'E., on random line, bet. secs.1 and 12.
- Set temp. $\frac{1}{4}$  sec.cor.
- 79.54 Fall 19 lks.S. of the cor.of secs.1,6,7 and 12,on the E. bdy.of the Tp., established by Quintin Campbell,U.S.T. in 1916, which is an iron post, 3 ins.in diam.,projecting 12 ins. above ground, firmly set, properly marked on brass cap,and witnessed by a mound of stone W.of cor. No bearing trees.
- Thence,  
 S.89°54'W., on true line, bet. secs.1 and 12.  
 Over mountainous land, thru. very scattering timber and dense undergrowth.
- 14.00 Descend 155 ft., over SW.slope,to
- Top of white cliff,150 ft.high, bearing N.and S.,facing W.
- 35.00 Descend 315 ft.,over W.slope,to
- Bottom of gulch, course S.
- Ascend 60 ft.,over E.slope,to
- 39.77 Set an iron post, 3 ft.long, 1 in. in diam.,on bed rock,

## 16 Survey of part(completion)of Subdivision lines of T.12 S.R.20 E.

Chains.

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., marked on brass cap,

$$\begin{array}{r} \frac{1}{4} \text{ S } 1 \\ \frac{1}{4} \text{ S } 12 \\ 1923 \end{array}$$

- No bearing trees available.  
Ascend 30 ft., over E. slope.  
41.50 Spur, slopes S. Enter rolling land.  
Descend gradually over SW. slope.  
45.46 Old road, brs. N. and S.  
Ascend 38 ft., over SE. slope.  
55.74 Spur, slopes SW.  
Descend 130 ft., over NW. slope.  
71.06 Wash, 10 lks. wide, course S. 70° W.  
Ascend 24 ft., over SE. and S. slopes to sec. cor.  
73.50 Fence, brs. N. 70° E. and S. 70° W.  
79.54 The cor. of secs. 1, 2, 11 and 12.  
Land, mountainous and rolling.  
Soil, gumbo, 3rd rate.  
Timber, juniper and live oak.  
Undergrowth, greasewood, yucca, scrub mesquite and catclaw.

- N. 0° 1' W., on a random line, bet. secs. 1 and 2.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.16 Fall 44 lks. E. of the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., hereinbefore described.  
Thence,  
S. 0° 19' E., on true line, bet. secs. 1 and 2.  
Over mountainous land, thru. scattering timber and dense undergrowth.  
Ascend 190 ft., over NE. slope.  
23.16 Ridge, brs. NW. and SE.  
Descend 20 ft., over W. slope, to  
33.66 Spur, slopes SW.  
Descend 83 ft., over S. slope, to  
40.16 Set an iron post, 3 ft. long, 1 in. in diam., 15 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., marked on brass cap,

$$\begin{array}{r} \frac{1}{4} \\ \text{S } 2 | \text{S } 1 \end{array}$$

1923

- No bearing trees available.  
Descend 30 ft., over S. slope.  
42.16 Draw, course W. Enter rolling land.  
Ascend 52 ft., over NW. slope., to  
47.16 Low spur, slopes W.  
Descend 40 ft., over S. slope.  
52.30 Draw, course W. Enter mountainous land.  
Ascend 120 ft., over NW. slope, to  
61.00 Thence along E. slope.  
Descend 26 ft., to  
69.30 Spur, slopes SE.  
Descend 170 ft., over S. slope, to  
80.16 The cor. of secs. 1, 2, 11 and 12.  
Land, mountainous and rolling.  
Soil, gumbo and clay, 3rd rate.  
Timber, oak and cottonwood.  
Undergrowth, yucca, scrub mesquite and cactus.

The cor. of secs. 22, 23, 26 and 27, is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set,

Survey of part(completion)of Subdivision lines of T.12 S., R.20 E. 17

Chains.

properly marked on brass cap, and witnessed by four properly marked bearing trees, one each NE., SE., SW. and NW. of post.

Thence,

N.0°1'W., bet. secs.22 and 23.

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

14.50 Ascend 120 ft., over SE.slope, to Spur, slopes SW.

19.78 Ascend 57 ft., over W.slope, to

29.00 Descend 80 ft., over NW.slope.

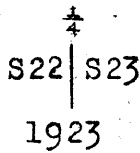
Draw, course SW.

39.50 Ascend 126 ft., over SE.slope.

Spur, slopes SW.

Descend slightly over NW.slope, to

40.00 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec.cor., marked on brass cap,



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

46.20 Descend 79 ft., over NW.slope.

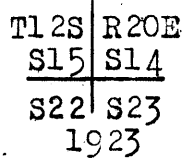
Wash, 6 lks.wide, course S. 70°W.

61.00 Ascend 63 ft., over SW.slope, to

Wash, 4 lks.wide, course SW.

80.00 Ascend 194 ft., over SW.slope, to

Set an iron post, 3 ft.long, 2 ins. in diam., 10 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. 14, 15, 22 and 23, marked on brass cap,



No bearing trees available.

Land, mountainous.

Soil, sandy, 3rd rate.

Timber, juniper and live oak.

Undergrowth, cactus, yucca and scrub mesquite.

40.00 S.89°55'E., on random line, bet. secs.14 and 23.

80.16 Set temp. 1/4 sec.cor.

Fall 9 lks.N. of the cor. of secs.13, 14, 23 and 24.

Thence,

N.89°51'W., on true line, bet. secs.14 and 23.

Over mountainous land, thru. scattering timber and undergrowth.

8.16 Ascend 54 ft., over SE.slope.

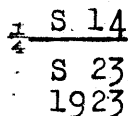
Point of spur, slopes SE.

12.16 Descend 39 ft., over SW.slope.

Draw, course SE.

40.08 Ascend 690 ft., over E.slope, to

Set an iron post, 3 ft.long, 1 in. in diam., 15 ins. in the ground to bed rock, supported in a mound of stone, for 1/4 sec.cor., marked on brass cap,



from which,

An oak, 14 ins. in diam., brs. S. 42 1/2° E., 95 lks. dist., marked 1/4 S 23 BT.

An oak, 16 ins. in diam., brs. N. 3 1/2° E., 61 lks. dist., marked 1/4 S 14 BT.

BOOK 3699

## 18 Survey of part(completion)of the Subdivision lines of T.12S.R.20E.

Chains.

- 40.68 Ascend 19 ft., over E. slope.  
Long spur, sloping N. from mountain, the top of which brs. S. about 4 chs. dist.
- 50.48 Descend 302 ft., over NW. slope.  
Head of draw, course N.
- 55.18 Ascend 80 ft., over NE. slope:  
Ridge, brs. NW. and SE.
- 80.16 Descend 685 ft., over SW. slope, to  
The cor. of secs. 14, 15, 22 and 23.  
Land, mountainous.  
Soil, gumbo, 4th rate.  
Timber, oak and juniper.  
Undergrowth, cactus, yucca and scrub mesquite.

- N. 0° 1' W., bet. secs. 14 and 15.  
Over mountainous land, thru. scattering timber and undergrowth.
- 19.60 Ascend 467 ft., over SW. slope, over cliffs.  
Top of cliffs, bearing NW and SE., facing SW.
- 24.50 Ascend gradually to  
Ridge, brs. NW. and SE.
- 40.00 Descend 177 ft., over NE. slope, to  
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
S15 | S14  
1923

from which,

- A mesquite, 8 ins. in diam., brs. S. 53° E., 25 lks. dist., marked  $\frac{1}{4}$  S 14 B T.  
An oak, 8 ins. in diam., brs. West, 133 lks. dist., marked  $\frac{1}{4}$  S 15 B T.
- 58.30 Descend 150 ft., over NE. slope.  
Wash, 20 lks. wide, course NW.
- 75.00 Ascend 45 ft., over SW. slope, to  
Ascend gradually over W. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap,

T12S | R20E  
S10 | S11  
S15 | S14  
1923

from which,

- An oak, 10 ins. in diam., brs. N. 70 $\frac{1}{2}$ ° E., 370 lks. dist., marked T12S R20E S11 B T.  
An oak, 10 ins. in diam., brs. S. 70 $\frac{1}{2}$ ° E., 240 lks. dist., marked T12S R20E S14 B T.
- No other bearing trees available.  
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
Land, mountainous.  
Soil, gumbo, 3rd rate.  
Timber, oak, juniper and mesquite.  
Undergrowth, yucca, cactus and greasewood.

- 40.00 S. 89° 51' E., on random line, bet. secs. 11 and 14.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Intersect the cor. of secs. 11, 12, 13 and 14.  
Thence,  
N. 89° 51' W., on true line, bet. secs. 11 and 14.  
Over rolling land, thru. scattering timber and undergrowth.
- 8.50 Ascend 60 ft., over E. slope, to  
Enter mountainous land.  
Ascend 80 ft., over E. slope.

Survey of part(completion)of Subdivision lines of T.12S.R.20 E. 19

Chains.

- 14.10 Spur, slopes N.  
Descend 203 ft., over NW.slope.
- 15.60 Wire fence, brs.N. and S.
- 25.00 Bottom of gulch, course N.  
Ascend 280 ft., over E.slope, to
- 40.05 Set an iron post, 3 ft.long, 1 in. in diam., 10 ins. in  
the ground to bed rock, supported in a mound of stone,  
for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$  S 11  
S 14  
1923

from which,

- An oak, 8 ins.in diam., brs.N.23°E., 88 lks.  
dist., marked  $\frac{1}{4}$  S 11 BT.
- An oak, 6 ins.in diam., brs.S.31°E., 136 lks.  
dist., marked  $\frac{1}{4}$  S 14 BT.
- Ascend 59 ft., over E.slope.
- 43.20 Long spur, sloping N.  
Descend 362 ft., over W.slope.
- 56.00 Wash, 10 lks.wide, course N.  
Ascend 140 ft., over E.slope.
- 60.50 Ridge, brs.N.and S.  
Descend 120 ft., over W.slope, to
- 80.10 The cor.of secs.10, 11, 14 and 15.  
Land, rolling and mountainous.  
Soil, gumbo, 3rd and 4th rate.  
Timber, oak and juniper.  
Undergrowth, yucca, cactus and scrub mesquite.

N.0°1'W., bet. secs.10 and 11.  
Over mountainous land; thru. scattering timber and under-  
growth.

- Ascend 94 ft., over W.slope, to
- 37.50 Head of draw, course W.  
Ascend 50 ft., over SW.slope, to
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 14 ins.in  
the ground to bed rock, supported in a mound of stone,  
for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$   
S10 | S11  
1923

from which,

- A mesquite, 10 ins.in diam., brs.N.57 $\frac{1}{2}$ °E., 120  
lks.dist., marked  $\frac{1}{4}$  S 11 BT.
- An oak, 6 ins.in diam., brs.N.9°W., 118  
lks.dist., marked  $\frac{1}{4}$  S 10 BT.
- Ascend 20 ft., over SW.slope to
- 41.00 Ridge, brs.NW and SE.  
Descend 16 ft., over NE.slope; to
- 45.50 Head of draw, course N.5°W.  
Descend 130 ft., over W.slope, to
- 60.00 Same draw, course N.5°E.  
Descend 141 ft., over NE. slope, to
- 80.00 True point for cor.of secs.2, 3, 10 and 11 falls in wash  
in the bottom of Cherry Creek canyon, course NW. There-  
fore, witness cor.to this sec.cor.is established at  
a point 100 lks.N.0°4'W. herefrom as hereinafter de-  
scribed.
- Land, mountainous.  
Soil, gumbo, 3rd rate.  
Timber, oak and juniper.  
Undergrowth, yucca, cactus and scrub mesquite.

## 20 Survey of part (completion) of Subdivision lines of T.12 S.R.20 E.

Chains.

From the true point for cor. of secs. 2, 3, 10 and 11,  
S. 89° 51' E., on random line, bet. secs. 2 and 11.

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

80.20 Intersect the cor. of secs. 1, 2, 11 and 12.  
Thence,  
N. 89° 51' W., on true line, bet. secs. 2 and 11.  
Over rolling land, thru. scattering timber and undergrowth.  
Descend 100 ft., over SW. slope.

21.00 Fence, brs. NW and SE.

29.50 Corral brs. North, 100 lks. dist.

35.00 Dry bed of Cherry Creek, 30 lks. wide, course NW. Enter  
mountainous land.  
Ascend 119 ft., over NE. slope, to

40.10 Set an iron post, 3 ft. long, 1 in. in diam., on surface  
rock, supported in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
marked on brass cap,

$\frac{1}{4}$  S 2  
S 11  
1923

from which,  
An oak, 6 ins. in diam., brs. N. 26° E., 40 lks.  
dist., marked  $\frac{1}{4}$  S 2 BT.  
An oak, 6 ins. in diam., brs. S. 72 $\frac{1}{2}$ ° W., 31 lks.  
dist., marked  $\frac{1}{4}$  S 11 BT.

Ascend 17 ft., over NE. slope.

42.70 Point of spur, slopes N.  
Descend 276 ft., over NW. slope.

54.50 Bottom of Cherry Creek canyon, course SW.  
Ascend 156 ft., over SE. slope.

61.00 Point of spur, slopes SW.  
Descend 20 ft., over SW. slope.

65.00 Draw, course S.  
Ascend 27 ft., over SE. slope.

70.00 Point of spur, slopes S.  
Descend 246 ft., over SW. slope, to

80.20 The true point for cor. of secs. 2, 3, 10 and 11, in bottom of  
Cherry Creek canyon, course NW.  
Witness cor. established at 100 lks. N. 0° 4' W., as hereinaf-  
ter described.  
Land, rolling and mountainous.  
Soil, gumbo, 3rd rate.  
Timber, oak, juniper and cottonwood.  
Undergrowth, yucca, cactus and scrub mesquite.

From true point for cor. of secs. 2, 3, 10 and 11,  
N. 0° 1' W., on random line, bet. secs. 2 and 3.

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

79.90 Fall 7 lks. E. of the cor. of secs. 2, 3, 34 and 35 on the N.  
bdy. of the Tp., hereinbefore described.  
Thence,  
S. 0° 4' E., on true line, bet. secs. 2 and 3.  
Over mountainous land, thru. scattering timber and dense  
undergrowth.

4.80 Descend 80 ft., over E. slope, to  
Spur, slopes SE.  
Descend 69 ft., over SW. slope, to

9.90 Top of cliff, 150 ft. high, bearing NW and SE., facing SW.  
Descend 229 ft., over SW. slope, to

20.00 Enter rolling land.  
Descend 130 ft., over SW. slope, to

39.90 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
S 3 | S 2

1923

from which,  
An oak, 10 ins. in diam., brs. S. 37° E., 40 lks.  
dist., marked  $\frac{1}{4}$  S 2 BT.

Survey of part(completion)of Subdivision lines of T.12 S. R.20 E. 21

Chains.

A mesquite, 6 ins.in diam.,brs.S.28°W.,104 lks.dist., marked  $\frac{1}{4}$  S 3 BT.  
 Descend 15 ft., over SW.slope.  
 50.00 Draw, course SE.  
 Ascend 22 ft.,over NE.slope,to  
 60.55 Enter mountainous land.  
 Ascend 75 ft.,over NE.slope.  
 65.60 Ridge, brs.NW and SE.  
 Descend 160 ft., over SW.slope,to  
 78.90 Set an iron post, 3 ft.long, 2 ins.in diam., 27 ins.in the ground, for witness cor.to cor.of secs.2,3,10 and 11, marked on brass cap,

T12S	R20E
S 3	S 2
S10	S11
W	C
1923	

from which,  
 A mesquite,8 ins.in diam.,brs.N.27°E.,170 lks.dist., marked T12S R20E S2 WC BT.  
 A juniper,10 ins.in diam.,brs.S.75 $\frac{1}{2}$ °E.,173 lks.dist.,marked T12S R20E S 11 WC BT.  
 An oak,8 ins.in diam.,brs.S.33 $\frac{3}{4}$ °W.,24 lks.dist., marked T12S R20E S10 WC BT.  
 An ash,16 ins.in diam.,brs.N.37 $\frac{1}{2}$ °W.,46 lks.dist., marked T12S R20E S3 WC BT.

79.90 Thence across bottom of Cherry Creek canyon, course NW. The true point for cor.of secs. 2,3,10 and 11 in dry bed of Cherry Creek, course NW.  
 Land, mountainous and rolling.  
 Soil,gumbo, 3rd rate.  
 Timber,oak,juniper,ash and cottonwood.  
 Undergrowth, yucca, cactus, scrub mesquite and manzanita.

The cor. of secs. 21,22,27 and 28, is an iron post,2 ins. in diam., projecting 28 ins. above ground, firmly set in a mound of stone, properly marked on brass cap, and witnessed by four properly marked bearing trees, one each NE., SE., SW. and NW.of cor.

Thence,  
 N.0°2'W., bet. secs.21 and 22.  
 Over rolling land, thru. scattering timber and undergrowth.  
 Descend gradually over NW. slope.  
 8.00 Draw, course W.  
 Ascend 40 ft.,over SW.slope.  
 14.50 Spur,slopes SW. Enter mountainous land.  
 Ascend 90 ft.,over W.slope.  
 23.85 Descend 67 ft.,over NW.slope.  
 26.50 Wash,25 lks.wide. course SW. Enter rolling land.  
 Ascend 70 ft.,over SE.slope,to  
 40.00 Set an iron post, 3 ft.long, 1 in. in diam.,27 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$
S21 S22
1923

from which,  
 A pine,6 ins.in diam.,brs.N.10°E.,22 lks. dist., marked  $\frac{1}{4}$  S 22 BT.  
 A pine,10 ins.in diam.,brs.S.63°W.,41 lks. dist., marked  $\frac{1}{4}$  S 21 BT.

Ascend 98 ft.,over SE.slope.  
 51.00 Spur,slopes SW.  
 Ascend gradually over W:slope,to  
 54.88 Enter mountainous land.  
 Descend 60 ft., over NW.slope.  
 58.00 Bottom of gulch, 5 lks.wide, course SW.  
 Ascend 132 ft.,over SE.slope.  
 70.00 Spur,slopes SW.  
 Descend 79 ft., over NW.slope.

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## 22 Survey of part (completion) of Subdivision lines of T.12 S.R.20 E.

Chains.

78.50 Draw, course SW.  
Ascend 40 ft., over SE. slope, to  
80.00 Set an iron post, 3 ft. long, 2 ins. 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  
cor. of secs. 15, 16, 21 and 22, marked on brass cap,

T12S	R20E
S16	S15
S21	S22

1923

No bearing trees available.  
Land, rolling and mountainous.  
Soil, sandy and gravelly, 3rd rate.  
Timber, juniper, pine and oak.  
Undergrowth, cactus, yucca and scrub mesquite.

40.00 S. 89° 56' E., on a random line, bet. secs. 15 and 22.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.36 Fall 9 lks. S. of the cor. of secs. 14, 15, 22 and 23.  
Thence,  
West, on true line, bet. secs. 15 and 22.  
Over mountainous land, thru. dense undergrowth.  
Descend 160 ft., over SW. slope.  
16.66 Bottom of gulch, 5 lks. wide, course SW.  
Ascend 92 ft., over SE. slope.  
34.36 Spur, slopes S.  
Descend 42 ft., over W. slope, to  
40.18 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., marked on brass cap,

$\frac{1}{4}$ S 15
S 22

1923

No bearing trees available.  
60.18 Descend 188 ft., over W. slope.  
Wash, 20 lks. wide, course SW.  
Ascend 185 ft., over SE. slope.  
70.68 Spur, slopes SW.  
Descend 142 ft., over W. slope.  
78.66 Draw, course SW.  
Ascend 30 ft., over SE. slope, to  
80.36 The cor. of secs. 15, 16, 21 and 22.  
Land, mountainous.  
Soil, sandy, 3rd rate.  
Timber, none.  
Undergrowth, cactus, yucca, scrub mesquite and palo  
verde.

N. 0° 2' W., bet. secs. 15 and 16.  
Over rolling land, thru. dense undergrowth.  
Ascend 116 ft., over SE. slope.  
23.76 Spur, slopes SW.  
Descend 77 ft., over NW. slope.  
33.16 Wash, 8 lks. wide, course SW.  
Ascend 40 ft., over SE. slope, to  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$
S16   S15

1923



## Survey of part (completion) of Subdivision lines of T.12 S., R.20 E. 23

Chains.

- No bearing trees available. Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.  
Ascend slightly over SE. slope.
- 40.28 Spur, slopes SW.  
Descend 54 ft., over NW. slope.
- 45.00 Wash, 15 lks. wide, course S. 60° W.  
Ascend 138 ft., over SE. slope.
- 60.19 Spur, slopes SW.  
Descend 96 ft., over NW. slope.
- 70.36 Wash, 15 lks. wide, course SW.  
Ascend 92 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 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. 9, 10, 15 and 16, marked on brass cap,

T12S	R20E
S 9	S10
S16	S15
1923	

No bearing trees available.  
Land, rolling.  
Soil, sandy and gravelly, 3rd rate.  
Timber, none.  
Undergrowth, greasewood, scrub palo verde and cactus.

- 40.00 East, on random line, bet. secs. 10 and 15.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.46 Fall 9 lks. S. of the cor. of secs. 10, 11, 14 and 15.  
Thence  
S. 89° 56' W., on true line, bet. secs. 10 and 15.  
Over rolling land, thru. dense undergrowth.  
Descend 81 ft., over W. slope.
- 11.81 Wash, 10 lks. wide, course SW. Enter mountainous land.  
Ascend 510 ft., over E. slope.
- 36.16 Ridge, hrs. N. and S.  
Descend 19 ft., over W. slope, to
- 36.66 Vertical cliff, 80 ft. high, bearing N. and S., facing W.  
Descend 200 ft., to
- 40.23 Set an iron post, 3 ft. long, 1 in. in diam., 15 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., marked on brass cap,

$\frac{1}{4}$ S 10
S 15
1923

- No bearing trees available.  
Descend 530 ft., over W. slope.
- 75.46 Wash, 10 lks. wide, course S.  
Ascend 40 ft., over SE. slope, to
- 80.46 The cor. of secs. 9, 10, 15 and 16.  
Land, rolling and mountainous.  
Soil, sandy and gumbo, 3rd rate.  
Timber, none.  
Undergrowth, scrub mesquite, greasewood, scrub juniper, oak, palo verde, catclaw and cactus.

- N. 0° 2' W., bet. secs. 9 and 10.  
Over mountainous land, thru. scattering timber and undergrowth.
- 25.70 Ascend 230 ft., over SE. slope.  
Spur, slopes SW.  
Descend 50 ft., over W. slope, to

24 Survey of part (completion) of Subdivision lines of T.12S., R.20 E.

Chains

32.00 Spur, slopes NW.  
 Descend 76 ft., over NE. slope, to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on surface  
 rock, supported in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
 marked on brass cap,

$\frac{1}{4}$   
 S 9 | S10  
 1923

from which,  
 An oak, 10 ins. in diam., brs. N. 8° W., 143  
 lks. dist., marked  $\frac{1}{4}$  S 9 BT.  
 An oak, 14 ins. in diam., brs. S. 77° W., 93  
 lks. dist., marked  $\frac{1}{4}$  S 10 BT.

53.45 Descend 143 ft., over NE. slope, to  
 Wash, 10 lks. wide, course NW.  
 Ascend 28 ft., over SW. slope.  
 56.50 Descend 122 ft., over NW. slope.  
 74.10 Wash, 60 lks. wide, course N. 10° W.  
 Descend 30 ft., over broken W. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in  
 the ground, for cor. of secs. 3, 4, 9 and 10, marked on  
 brass cap,

T12S	R20E
S 4	S 3
S 9	S10

 1923

from which,  
 A cottonwood, 50 ins. in diam., brs. N. 80° E.,  
 547 lks. dist., marked T12S R20E S3 BT.  
 A juniper, 8 ins. in diam., brs. N. 77° W., 399  
 lks. dist., marked T12S R20E S4 BT.

No other bearing trees available.  
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
 Land, mountainous.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, oak and juniper.  
 Undergrowth, scrub mesquite, palo verde, catclaw and cac-  
 tus.

40.00 N. 89° 56' E., on random line, bet. secs. 3 and 10.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.40 Intersect the true point for cor. of secs. 2, 3, 10 and 11,  
 in bottom of Cherry Creek canyon (W.C. 1.00 ch. N. 0° 4'  
 W.)

Thence,  
 S 89° 56' W., on true line, bet. secs. 3 and 10.  
 Over mountainous land, thru. scattering timber and dense  
 undergrowth.  
 Ascend 500 ft., over NE. slope.  
 14.80 Point of spur, slopes N.  
 Descend 440 ft., over NW. slope.  
 26.40 Bottom of gulch, course N.  
 Ascend 450 ft., over E. slope, to  
 40.20 Set an iron post, 3 ft. long, 1 in. in diam., over a cross  
 (x) on surface rock, and raise a mound of stone  
 around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 3  
 S 10  
 1923

from which,  
 A cedar, 5 ins. in diam., brs. N. 77° W., 30  
 lks. dist., marked  $\frac{1}{4}$  S 3 BT.

*Empire*

Survey of part(completion)of Subdivision lines of T.12 S. R.20 E. 25

Chains.

- An cedar, 5 ins. in diam., brs. N. 34° W., 39 lks.  
dist., marked  $\frac{1}{4}$  S 3 BT.

An oak, 6 ins. in diam., brs. S. 82° W., 93 lks.  
dist., marked  $\frac{1}{4}$  S 10 BT.

Ascend slightly over E. slope.

40.30 Ridge, brs. N. and S.

41.80 Descend 30 ft., over W. slope, to  
Top of cliff, bearing N. and S., facing W.

42.60 Descend 100 ft. to  
Bottom of same cliff.

63.40 Descend 100 ft., over S. slope, to  
Spur, slopes NW. from NE.

75.60 Descend 360 ft., over SW. slope.  
Wash, course N. 70° W.

78.40 Ascend 10 ft., over NE. slope.  
Spur, slopes NW.

80.40 Descend slightly over W. slope, to  
The cor. of secs. 3, 4, 9 and 10.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, cedar, oak and cottonwood.  
Undergrowth, ocotillo and catclaw.

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40.00 N. 0° 5' W., on random line, bet. secs. 3 and 4.  
Set temp.  $\frac{1}{4}$  sec. cor.

79.82 Fall 50 lks. W. of the cor. of secs. 3, 4, 33 and 34, on the  
N. bdy. of the Tp., hereinbefore described.

Thence,  
S. 0° 16' W., on true line, bet. secs. 3 and 4.  
Over mountainous land, thru. scattering timber and under-  
growth.

11.10 Descend 170 ft., over SE. slope.  
Draw, course SW.

18.42 Ascend 50 ft., over NW. slope.  
Point of spur, slopes W.

27.20 Descend 60 ft., over SW. slope.  
Same draw, course SE.

35.00 Ascend 80 ft., over NE. slope.  
Point of spur, slopes E.

39.82 Descend 150 ft., over S. slope, to  
Set an iron post, 3 ft. long, 1 in. in diam., 10 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., with brass cap, marked

$\frac{1}{4}$   
S 4 | S 3  
1923

47.82 No bearing trees available.  
Descend 130 ft., over S. slope.  
Cherry Creek, course W. containing a stream of water, 5  
lks. wide. 6 ins. deep.

60.82 Ascend 230 ft., over N. slope.  
Spur, slopes NW.

74.72 Descend 140 ft., over SW. slope.  
Wash, 10 lks. wide, course NW.

76.42 Ascend 30 ft., over N. slope.  
Point of spur, slopes NW.

78.00 Ascend gradually over W. slope to sec. cor.

79.82 Round corral, brs. W., 60 lks. dist.  
The cor. of secs. 3, 4, 9 and 10.  
Land, mountainous.  
Soil, rocky and sandy, 3rd rate.  
Timber, oak and juniper.  
Undergrowth, ocotillo, catclaw and sotol.

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26 Survey of part (completion) of Subdivision lines of T.12 S.R.20 E.

Chains.

The cor. of secs. 20, 21, 28 and 29, is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of cor. No bearing trees.

Thence, N.0°2'W., bet. secs. 20 and 21.

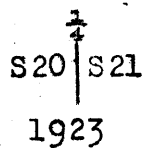
Over rolling land, thru. scattering timber and dense undergrowth.

8.45 Descend 70 ft., over N. slope.  
Wash, 50 lks. wide, course N.70°W.

18.85 Ascend 140 ft., over SE. slope.  
Spur, slopes E.

30.35 Descend 60 ft., over NE. slope.  
Saddle.

40.00 Ascend 50 ft., over SW. slope, to  
Set an iron post, 3 ft. long, 1 in. in diam., 1 1/4 ins. in the ground to bed rock, supported in a mound of stone, for 1/4 sec. cor., marked on brass cap,



from which,

A juniper, 6 ins. in diam., brs. N.31°W., 34 lks. dist., marked 1/4 S 20 BT.

A juniper, 6 ins. in diam., brs. N.3°E., 89 lks. dist., marked 1/4 S 21 BT.

57.15 Ascend over SW. slope.  
Wash, 8 lks. wide, course SW.

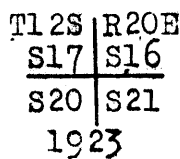
58.05 Ascend 55 ft., over S. slope.  
Fence, brs. SE. and NW.

67.65 Spur, slopes W.  
Descend 25 ft., over N. slope.

78.05 Enter mountainous land.  
Ascend 58 ft., over SW. slope.

79.00 Point of spur, slopes NW.  
Descend 95 ft., over N. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap,



from which,

A juniper, 8 ins. in diam., brs. N.27°E., 177 lks. dist., marked T12S R20E S16 BT.

A juniper, 6 ins. in diam., brs. S.37 1/2°E., 129 lks. dist., marked T12S R20E S21 BT.

A juniper, 6 ins. in diam., brs. S.3°W., 50 lks. dist., marked T12S R20E S20 BT.

A juniper, 6 ins. in diam., brs. N.76°W., 90 lks. dist., marked T12S R20E S17 BT.

Land, rolling and mountainous.

Soil, sandy and gravelly, 3rd rate.

Timber, juniper.

Undergrowth, scrub mesquite and palo verde, greasewood, juniper, and cactus.

40.00 S.89°57'E., on random line, bet. secs. 16 and 21.  
Set temp. 1/4 sec. cor.

80.14 Fall 46 lks. S. of the cor. of secs. 15, 16, 21 and 22.  
Thence,

S.89°43'W., on true line, bet. secs. 16 and 21.

Over rolling land, thru. scattering timber and dense

Survey of part (completion) of Subdivision lines of T.12 S. R.20 E. 27

Chains.

- 8.14 undergrowth.  
Ascend 18 ft. over SE.slope.  
Spur, slopes SW.
- 24.14 Descend 110 ft., over NW.slope.  
Wash, 5 lks.wide, course SW.
- 39.14 Ascend 75 ft., over SE. slope.  
Low ridge, brs. NE. and SW.
- 40.07 Descend 14 ft., over NW. slope, to  
Set an iron post, 3 ft.long, 1 in. in diam., 15 ins. in  
the ground to bed rock, supported in a mound of stone,  
for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$  S 16  
 $\frac{1}{4}$  S 21  
 1923

- from which,  
A mesquite, 6 ins.in diam., brs. N.21°E., 108  
lks.dist., marked  $\frac{1}{4}$  S 16 BT.  
A juniper, 8 ins.in diam., brs.S.56 $\frac{1}{2}$ °W., 184  
lks.dist., marked  $\frac{1}{4}$  S 21 BT.

- Enter mountainous land.
- 58.24 Descend 160 ft., over NW.slope, to  
Wash, 25 lks.wide, course S.70°W.
- 64.14 Descend over S.slope, to  
Same wash, 25 lks.wide, course N.70°W.
- 68.64 Descend over NW.slope, to  
Same wash, course S.70°W.
- 72.00 Descend gradually over SW.slope.  
Irregular fence, brs.N.and S.
- 73.64 Same wash, course N.70°W.
- 80.14 Ascend 30 ft., over N.slope, to  
The cor.of secs.16,17,20 and 21.  
Land, rolling and mountainous.  
Soil, sandy and gravelly, 3rd rate.  
Timber, juniper and mesquite.  
Undergrowth, cactus, yucca, catclaw and scrub mesquite.

N.0°2'W., bet. secs.16 and 17.  
Over mountainous land, thru. very scattering timber and  
dense undergrowth.

- 2.70 Descend 78 ft., over N.slope.  
Wash, 50 lks.wide, in gulch, course W.
- 6.00 Ascend 49 ft., over SW.slope, to  
Bottom of gulch; course S.10°W.
- 19.60 Ascend 174 ft., over SE.slope.  
Ridge, brs.E.and W.
- 24.00 Descend 70 ft., over N.slope, to  
Foot of ridge, brs.E.and W. Enter nearly level and broken  
land in basin, draining W.
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in  
the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$  S 17 |  $\frac{1}{4}$  S 16  
 1923

- No bearing trees available.  
Raise a mound of stone, 3 ft. base, 2 ft.high, W.of cor.  
Continue across nearly level and broken basin, draining W.
- 45.00 Foot of slope, brs.E.and W. Enter mountainous land.  
Ascend 225 ft., over S.slope..
- 57.40 Rocky spur, slopes W.  
Descend 128 ft., over N.slope.
- 76.20 Wash, 10 lks.wide, course N.70°W.
- 80.00 Ascend 51 ft., over S.slope, to  
Set an iron post, 3 ft.long, 2 ins. in diam., 27 ins. in  
the ground, for cor.of secs.8,9,16 and 17, marked on  
brass cap,

Chains.

T12S	R20E
S 8	S 9
S17	S16
1923	

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
Land, mountainous, nearly level and broken.  
Soil, sandy and gravelly, 3rd rate.  
Timber, juniper.  
Undergrowth, scrub mesquite, palo verde, oak, catclaw and cactus.

40.00 N. 89° 43' E., on random line, bet. secs. 9 and 16.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.06 Fall 19 lks. N. of the cor. of secs. 9, 10, 15 and 16.  
Thence,  
S. 89° 51' W., on true line, bet. secs. 9 and 16.  
Over mountainous land, thru. scattering timber and dense undergrowth.  
Ascend 95 ft., over SE. slope.  
5.80 Spur, slopes SW.  
Descend 120 ft., over SW. slope.  
15.50 Bottom of gulch, course S.  
Ascend 32 ft., over E. slope.  
20.00 Spur, slopes S.  
Descend 103 ft., over W. slope.  
32.21 Head of gulch, course N.  
Ascend 95 ft., over NE. slope, to  
40.03 Set an iron post, 3 ft. long, 1 in. in diam., over cross  
(x) on surface rock, and raise a mound of stone, around  
post for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$ S 9
S 16
1923

from which,

An oak, 12 ins. in diam., brs. N. 51° E., 87  
lks. dist., marked  $\frac{1}{4}$  S 9 BT.A juniper, 8 ins. in diam., brs. S. 88 $\frac{1}{2}$ ° E., 203  
lks. dist., marked  $\frac{1}{4}$  S 16 BT.

Ascend 16 ft., over NE. slope.  
42.50 Spur, slopes N. Enter rolling land.  
Descend 73 ft., over NW. slope.  
54.58 Wash, 10 lks. wide, course N.  
Ascend 60 ft., over NE. slope.  
62.95 Spur, slopes N. Enter mountainous land.  
Descend 180 ft., over NW. slope.  
70.90 Wash, course SW.  
Ascend 45 ft., over SE. slope.  
76.80 Descend 43 ft., over S. slope, to  
80.06 The cor. of secs. 8, 9, 16 and 17.  
Land, mountainous and rolling.  
Soil, sandy and gravelly, 3rd rate.  
Timber, juniper and oak.  
Undergrowth, scrub mesquite, greasewood, catclaw, scrub  
palo verde and oak.

N. 0° 2' W., bet. secs. 8 and 9.

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

Ascend 55 ft., over S. and SW. slopes.

5.90 Descend 40 ft., over W. slope.

10.85 Ascend 95 ft., over SW. slope.

15.70 Ridge, brs. E. and W.

Descend 232 ft., over NE. slope.

Survey of part (completion) of Subdivision lines of T.12 S.R.20 E. 29

Chains.

34.45 Wash, 20 lks.wide, course NW.  
 Ascend 150 ft., over S.slope, to  
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., over cross  
 (x) on surface rock, and raise a mound of stone around  
 post, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$   
 s 8 | s 9  
 1923

No bearing trees available.  
 40.50 Spur, slopes W.  
 Descend 105 ft., over N.slope.  
 47.02 Wash, 8 lks.wide, course SW.  
 Ascend 70 ft., over S.slope.  
 55.15 Spur, slopes NW.  
 Descend 125 ft., over N.slope.  
 62.80 Bottom of gulch, course W.  
 Ascend 49 ft., over SW.slope.  
 65.40 Point of spur, slopes W.  
 Descend 127 ft., over NW.slope.  
 74.40 Dry bed of Cherry Creek, 100 lks.wide, course SW.  
 Ascend 64 ft., over SE.slope, to  
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 10 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.4,5,8 and 9, marked on  
 brass cap,

T12S | R20E  
 S 5 | S 4  
 s 8 | s 9  
 1923

No bearing trees available.  
 Land, mountainous.  
 Soil, sandy and rocky, 3rd rate.  
 Timber, juniper.  
 Undergrowth, scrub mesquite, palo verde, oak and juniper,  
 and greasewood.

40.00 N.89°51'E., on random line, bet. secs. 4 and 9.  
 Set temp. $\frac{1}{4}$  sec.cor.  
 80.00 Fall 18 lks.S. of the cor.of secs.3,4,9 and 10.  
 Thence,  
 S.89°43'W., on true line, bet. secs. 4 and 9.  
 Over mountainous land, thru. scattering timber and dense  
 undergrowth.  
 Descend 35 ft., over W.slope.  
 1.45 Wash, 20 lks. wide, course NW.  
 Ascend 135 ft., over E.slope.  
 9.20 Spur, slopes N.  
 Descend 95 ft., over W.slope, to  
 23.05 Ascend 50 ft. to  
 23.25 Top of cliff, bearing N.and S., facing E. Thence across  
 top of sharp narrow spur, sloping N.  
 23.40 Top of cliff, bearing N.and S., facing W.  
 Descend 75 ft., to  
 23.60 Foot of cliff.  
 Descend 200 ft., over W.slope, to  
 34.40 Dry bed of Cherry Creek, 100 lks.wide, course SW.  
 Ascend 20 ft., over SE.slope.  
 38.00 Descend slightly over S.slope, to  
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in  
 the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$  S 4  
 S 9  
 1923

## BOOK 3899

## 30 Survey of part(completion) of Subdivision lines of T.12 S., R.20 E.

Chains.	
	<p>from which,            A juniper, 25 ins. in diam., brs. N. 83° W., 212 lks. dist., marked <math>\frac{1}{4}</math> S 4 BT.            A juniper, 8 ins. in diam., brs. N. 65<math>\frac{1}{2}</math>° W., 209 lks. dist., marked <math>\frac{1}{4}</math> S 9 BT.</p>
41.60	<p>Descend 15 ft., over SW. slope.            Wash, 20 lks. wide, course S.            Ascend 36 ft., over SE. slope.</p>
54.50	<p>Descend 55 ft., over SW. slope.</p>
59.45	<p>Wash, course S.            Ascend 48 ft., over SE. slope.</p>
65.45	<p>Point of spur, slopes S.            Descend 97 ft., over W. slope.</p>
71.45	<p>Enter dry bed of Cherry Creek, 100 lks. wide, course W. from SE.            Descend gradually in creek bed to</p>
75.30	<p>Leave dry bed of Cherry Creek, course SW. from E.            Ascend 54 ft., over SE. slope to sec. cor.</p>
79.50	<p>Head of wash, course S. 10° E.</p>
80.00	<p>The cor. of secs. 4, 5, 8 and 9.            Land, mountainous.            Soil, sandy and gravelly, 3rd rate.            Timber, juniper.            Undergrowth, scrub mesquite, greasewood, catclaw, scrub juniper, oak and cactus.</p>
-----	
40.00	<p>N. 0° 16' E., on random line, bet. secs. 4 and 5.            Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
80.02	<p>Fall 14 lks. E. of the cor. of secs. 4, 5, 32 and 33, on the N. bdy. of the Tp., hereinbefore described.            Thence,            S. 0° 10' W., on true line, bet. secs. 4 and 5.            Over mountainous land, thru. very scattering timber and dense undergrowth.</p>
16.00	<p>Ascend 400 ft., over E. slope.            Top of ridge, brs. NW. and S. Thence along W. slope of ridge, near top.</p>
40.02	<p>Descend 500 ft., to            Set an iron post, 3 ft. long, 1 in. in diam., 6 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 <math>\frac{1}{4}</math> sec. cor., marked on brass cap,</p>
$\begin{array}{c} \frac{1}{4} \\ S \ 5 \   \ S \ 4 \\ 1923 \end{array}$	
44.00	<p>No bearing trees available.            Descend 50 ft., along W. slope, near top of ridge.            Top of ridge, brs. SW. and N.</p>
66.90	<p>Descend 260 ft., over SE. slope.            Bottom of gulch, course SW.</p>
72.00	<p>Ascend 90 ft., over NW. slope.            Spur, slopes SW.</p>
80.02	<p>Descend 130 ft., over SE. slope, to            The cor. of secs. 4, 5, 8 and 9.            Land, mountainous.            Soil, rocky, 3rd rate.            Timber, juniper.            Undergrowth, catclaw, sotol and cactus.</p>
-----	
<p>The cor. of secs. 19, 20, 29 and 30, is an iron post 2 ins. in diam., with brass cap properly marked, projecting 34 ins. above ground, firmly set in a mound of stone, and witnessed by a mound of stone, W. of cor.            No bearing trees.            Thence,</p>	



## Survey of part (completion) of Subdivision lines of T.12 S., R.20 E.31

Chains

- N.0°3'W., bet. secs. 19 and 20.  
Over mountainous land, thru. scattering timber and dense undergrowth.  
Descend 70 ft., over NW. slope.
- 2.50 Wash, 50 lks. wide, course W.  
Ascend 204 ft., over SW. slope.
- 24.50 Spur, slopes W.  
Descend 90 ft., over NW. slope.
- 31.00 Bottom of gulch, course SW.  
Ascend 100 ft., over SE. slope.
- 38.40 Spur, slopes SW.  
Descend 23 ft., over NW. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 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., marked on brass cap,
- $\frac{1}{4}$   
S19 | S20  
1923
- No bearing trees available.  
Descend 70 ft., over NW. slope.
- 44.90 Bottom of gulch, 5 lks. wide, course SW.  
Ascend 113 ft., over S. slope.
- 51.50 Spur, slopes W.  
Descend 200 ft., over NW. slope.
- 70.60 Wash, 30 lks. wide, in gulch, course N.70°W.  
Ascend 90 ft., over SW. slope.
- 76.00 Point of spur, slopes W.  
Descend 30 ft., over NW. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap,
- T12S | R20E  
S18 | S17  
S19 | S20  
1923
- No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
Land, mountainous.  
Soil, sandy and rocky, 3rd and 4th rate.  
Timber, juniper.  
Undergrowth, cactus, scrub mesquite and palo verde.
- 
- 40.00 N.89°55'E., on random line, bet. secs. 17 and 20.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Fall 46 lks. N. of the cor. of secs. 16, 17, 20 and 21.  
Thence,  
N.89°45'W., on true line, bet. secs. 17 and 20.  
Over mountainous land, thru. scattering timber and undergrowth.
- 9.50 Descend 100 ft., over NW. slope, to  
Wash, 30 lks. wide, course SW.
- 16.00 Descend 32 ft., over SW. slope, to  
Same wash, course N.70°W.
- 18.00 Same wash, course S.70°W.  
Descend gradually over SW. slope.
- 19.10 Fence, brs. NW. and SE.
- 31.10 Enter same wash, course W. from SE.  
Descend in wash.
- 34.00 Leave same wash, course NW. from E.
- 35.80 Enter same wash, course W. from N.80°E.  
Descend in wash.

## 32 Survey of part(completion)of Subdivision lines of T.12S R20E.

Chains.	
39.70	Leave same wash, course S.75°W. from E. Descend slightly over SW.slope, to
40.00	Set an iron post, 3 ft.long, 1 in. in diam., 18 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., marked on brass cap,  $\frac{1}{4} \text{ S } 17$ $\text{S } 20$ $1923$
	No bearing trees available. Raise a mound of stone, 3 ft.base, 2 ft.high, N.of cor. Descend 39 ft., over SW.slope.
40.08	Fence, brs.NE: and SW.
42.90	Wash, 70 lks.wide, course SW. Ascend 57 ft., over SE.slope.
49.60	Point of spur, slopes SW. Descend 51 ft., over W.slope.
59.60	Draw, course S. Ascend 40 ft., over E.slope.
65.75	Spur, slopes S. Descend 93 ft., over W.slope, to
80.00	The cor.of secs.17,18,19 and 20. Land, mountainous. Soil, sandy and gravelly, 3rd rate. Timber, juniper. Undergrowth, scrub mesquite and palo verde, and cactus.
	-----
40.00	West, on random line, bet. secs.18 and 19. Set temp. $\frac{1}{4}$ sec.cor.
57.54	Fall 9 lks.S. of the cor.of secs. 18 and 19, on the W.bdy. of the Tp., hereinbefore described. Thence, S.89°55'E., on true line, bet. secs.18 and 19. Over rolling land, thru. scattering timber and dense undergrowth. Descend 21 ft., over E.slope.
4.80	Wash, course SE. Ascend 21 ft., over SW.slope.
7.02	Descend 17 ft., over SE. slope.
10.06	Wash, 30 lks.wide, course S. Ascend 20 ft., over SW.slope, to
17.54	Set an iron post, 3 ft.long, 1 in. in diam., 27 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,  $\frac{1}{4} \text{ S } 18$ $\frac{1}{4} \text{ S } 19$ $1923$
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft.high, N.of cor. Ascend 92 ft., over rolling and broken SW. and S.slopes. Descend 28 ft., over SE.slope.
38.00	Wash, 40 lks.wide, course SW. Enter mountainous land.
40.10	Ascend 110 ft., over W.slope, to
57.54	The cor.of secs.17,18,19 and 20. Land, rolling and mountainous. Soil, sandy and gravelly, 3rd rate. Timber, juniper. Undergrowth, scrub mesquite, greasewood, catclaw, juniper and cactus.
	-----
	N.0°3'W., bet. secs.17 and 18. Over mountainous land, thru.scattering timber and dense undergrowth. Descend 52 ft., over NW.slope.
6.40	Wash, 20 lks.wide, course SW. Ascend 235 ft., over S.slope.

## Survey of part(completion)of Subdivision lines of T.12 S.R.20 E. 33

Chains.	
27.40	Wire fence, brs.NW. and SE.
29.50	Ridge, brs.E.and W. Descend 136 ft., over N.slope.
38.30	Wash,15 lks.wide, course NW. Ascend 20 ft., over SW.slope,to
40.00	Set an iron post, 3 ft.long, 1 in. in diam.,27 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,  <div style="text-align: center;"> <math>\frac{1}{4}</math>            S18   S17            1923         </div>
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft.high, W.of cor. Ascend 25 ft.,over W.slope,to
50.80	Wash,20 lks.wide, course SW. Ascend 250 ft., over SW.slope.
70.00	Sharp spur,slopes NW. Descend 91 ft., over N.slope.
74.57	Bottom of gulch.course W. Ascend 100 ft., over SW.slope,to
80.00	Set an iron post, 3 ft.long, 2 ins. in diam.,over a cross (x) on surface rock, and raise a mound of stone around post,for cor.of secs. 7,8,17 and 18, marked on brass cap,  <div style="text-align: center;">           T12S   R20E            S 7   S 8            S18   S17            1923         </div>
	No bearing trees available. Land, mountainous. Soil,sandy and rocky, 3rd and 4th rate. Timber, juniper. Undergrowth, cactus, scrub palo verde and mesquite, and yucca.
	-----
40.00	S.89°45'E., on random line, bet. secs.8 and 17. Set temp. $\frac{1}{4}$ sec.cor.
79.92	Fall 7 lks.N.of the cor.of secs.8,9,16 and 17. Thence, N.89°42'W., on true line, bet. secs.8 and 17. Over mountainous land, thru.scattering timber and dense undergrowth.
4.90	Descend 57 ft., over SW.slope. Wash,10 lks.wide, course NW. Ascend 60 ft.,over NE. slope.
14.90	Descend 78 ft., over NW. slope.
20.70	Same wash, 16 lks.wide, course SW. Ascend 140 ft.,over SE.slope,to
32.60	Thence along S.slope. Descend 20 ft.
36.20	Fence, brs.N.and S.
36.40	Descend 55 ft.,over SW.slope,to
39.96	Set an iron post, 3 ft.long, 1 in. in diam.,over a cross (x) on surface rock, and raise a mound of stone around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,  <div style="text-align: center;"> <math>\frac{1}{4}</math> S 8            S 17            1923         </div>
	No bearing trees available. Ascend 15 ft.,over SE.slope.
47.60	Spur,of eroded sandstone, slopes S. Descend 100 ft., over SW.slope.
65.60	Ascend 40 ft.,over SE.slope.
70.30	Point of spur,slopes S. Descend 28 ft., over SW.slope,to
79.92	The cor.of secs.7,8,17 and 18.

## 34 Survey of part (completion) of Subdivision lines of T. 12 S. R. 20 E.

Chains.

Land, mountainous.  
Soil, sandy and rocky, 3rd rate.  
Timber, juniper.  
Undergrowth, scrub mesquite and oak, catclaw and cactus.

40.00 N. 89° 55' W., on a random line, bet. secs. 7 and 18.  
Set temp.  $\frac{1}{4}$  sec. cor.  
57.66 Fall 20 lks. N. of the cor. of secs. 7 and 18, on the W. bdy. of the Tp., hereinbefore described.  
Thence,  
N. 89° 53' E., on true line, bet. secs. 7 and 18.  
Over mountainous land, thru. very scattering timber and dense undergrowth.  
Ascend slightly over NW. slope.  
1.00 Descend 263 ft., over NE. slope, to  
17.66 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., marked on brass cap.

$\frac{1}{4}$  S 7  
S 18  
1923

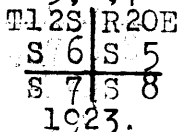
No bearing trees available.  
Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
17.96 Descend slightly over NE. slope.  
Head of gulch, course SE.  
25.66 Ascend 68 ft., over SW. slope.  
Point of spur, slopes SE.  
31.16 Descend 42 ft., over SE. slope.  
Bottom of gulch, course SW.  
36.46 Ascend 55 ft., over W. slope.  
Spur, slopes S. 10° W.  
49.66 Descend 200 ft., over E. slope.  
Bottom of gulch, course S.  
57.66 Ascend 167 ft., over SW. slope, to  
The cor. of secs. 7, 8, 17 and 18.  
Land, mountainous.  
Soil, sandy and gravelly, 3rd rate.  
Timber, juniper.  
Undergrowth, cactus, yucca, scrub mesquite and palo verde.

N. 0° 3' W., bet. secs. 7 and 8.  
Over mountainous land, thru. very scattering timber and dense undergrowth.  
3.00 Ascend 44 ft., over SW. slope.  
Point of spur, slopes W.  
7.70 Descend 25 ft., over NW. slope, to  
Thence along W. slope.  
15.90 Descend gradually to  
20.75 Descend 48 ft., over NW. slope, to  
Top of cliff, bearing NE. and SW., facing NW.  
21.23 Descend 100 ft., to  
Foot of cliff.  
22.75 Descend 35 ft., over N. slope.  
Wash, 10 lks. wide, in gulch, course W.  
24.80 Ascend 75 ft., to  
Top of cliff, brs. E. and W., facing S.  
40.00 Ascend 65 ft., over S. and SW. slopes, to  
Set an iron post, 3 ft. long, 1 in. in diam., over a cross (x) on surface rock, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap.

$\frac{1}{4}$   
S 7 | S 8  
1923

Survey of part(completion)of Subdivision lines of T.12 S.R.20 E. 35

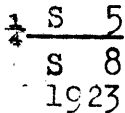
Chains.  
 No bearing trees available.  
 Ascend 46 ft., over SW. slope.  
 48.00 Spur, slopes W.  
 Descend 300 ft., over N. slope.  
 54.90 Dry bed of Cherry Creek, 100 lks. wide, course W. in bottom of canyon.  
 Ascend 600 ft., over S. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 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. 5, 6, 7 and 8, with brass cap, marked



1923.

No bearing trees available.  
 Land, mountainous.  
 Soil, sandy and rocky, 3rd and 4th rate.  
 Timber, juniper.  
 Undergrowth, scrub mesquite, palo verde and oak, and cactus.

40.00 S. 89°42'E., on random line, bet. secs. 5 and 8.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.88 Fall 26 lks. S. of the cor. of secs. 4, 5, 8 and 9.  
 Thence,  
 N. 89°53'W., on true line, bet. secs. 5 and 8.  
 Over mountainous land, thru. scattering timber and dense undergrowth.  
 Ascend 60 ft., over SE. slope.  
 9.00 Spur, slopes SW.  
 Descend 110 ft., over NW. slope.  
 15.20 Bottom of gulch, course S.  
 Ascend 110 ft., over E. slope.  
 18.80 Spur, slopes S.  
 Descend 94 ft., over W. slope.  
 33.00 Gulch, course S.  
 Ascend 110 ft., over E. slope, to  
 39.94 Set an iron post, 3 ft. long, 1 in. in diam., 10 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., marked on brass cap,



1923.

No bearing trees available.  
 Ascend 250 ft., over E. slope.  
 56.00 Spur, slopes S.  
 Descend 69 ft., over broken SW. slope.  
 62.00 Wire fence, brs. N. and S.  
 63.60 Bottom of gulch, course S.  
 Ascend 124 ft., over SE. and S. slopes, to  
 79.88 The cor. of secs. 5, 6, 7 and 8.  
 Land, mountainous.  
 Soil, rocky, 3rd rate.  
 Timber, juniper and cottonwood.  
 Undergrowth, catclaw, cactus, scrub palo verde and mesquite.

40.00 S. 89°53'W., on a random line, bet. secs. 6 and 7.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 57.31 Fall 19 lks. N. of the cor. of secs. 6 and 7, on the W. bdy. of the Tp., hereinbefore described.  
 Thence,  
 N. 89°42'E., on true line, bet. secs. 6 and 7.  
 Over rolling land, thru. very scattering timber and dense undergrowth.  
 Ascend 35 ft., over W. slope.

BOOK 3699

## 36 Survey of part (completion) of Subdivision lines of T.12S.R.20E.

Chains.

- 6.00 Spur, slopes NW.  
Descend 59 ft., over NE. slope.
- 16.55 Wash, 8 lks. wide, course NW.  
Ascend slightly over SW. slope, to
- 17.31 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in  
the ground to bed rock, supported in a mound of stone,  
for  $\frac{1}{4}$  sec. cor., marked on brass cap,
- S 6  
S 7  
1923
- No bearing trees available.  
Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.  
Ascend 25 ft., over SW. slope, to
- 25.60 Same wash, 8 lks. wide, course SW. Enter mountainous land.  
Ascend 131 ft., over NW. slope.
- 43+30 Spur, slopes N.  
Descend 86 ft., over NE. slope.
- 50.30 Head of wash, course S.  
Ascend 70 ft., over SW. slope, to
- 57.31 The cor. of secs. 5, 6, 7 and 8.  
Land, rolling and mountainous.  
Soil, sandy and gravelly, 3rd rate.  
Timber, juniper and mesquite.  
Undergrowth, scrub palo verde, catclaw, greasewood and  
cactus.

- 40.00 N. 0° 11' E., on random line, bet. secs. 5 and 6.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 79.94 Fall 12 lks. E. of the cor. of secs. 5, 6, 31 and 32, on the  
N. bdy. of the Tp., hereinbefore described.
- Thence,  
S. 0° 6' W., on true line, bet. secs. 5 and 6.  
Over mountainous land, thru dense undergrowth.  
Descend 10 ft., over E. slope.
- 0.54 Head of wash, course NE.  
Ascend 85 ft., over N. slope.
- 3.30 Spur, slopes NE.  
Ascend 40 ft., over broken E. slope.
- 11.10 Wash, 8 lks. wide, course E. near head.  
Ascend 175 ft., over NE. slope.
- 37.70 Spur, slopes E.  
Descend 50 ft., over S. slope, to
- 39.94 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S 6 | S 5  
1923

- No bearing trees available:  
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
Descend slightly over S. slope.
- 41.25 Draw, course E.  
Ascend 35 ft., over NE. slope, to
- 47.04 Thence, along E. slope:  
Descend slightly to
- 58.25 Spur, slopes SE.  
Descend 50 ft., over SW. slope.
- 61.52 Wash, course SE.  
Ascend 30 ft., over NE. slope.
- 72.20 Point of spur, slopes SE.  
Descend 80 ft., over S. slope, to
- 79.94 The cor. of secs. 5, 6, 7 and 8.  
Land, mountainous.  
Soil, sandy and gravelly, 3rd rate.  
Timber, none.  
Undergrowth, scrub mesquite and oak, greasewood, palo  
verde and cactus.

Survey of part(completion)of Subdivision lines of T.12 S.R.20 E. 37

Chains.

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.

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 Boundaries of that part of T.12 S., R.20 E., subdivided under this Group.  
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Latitudes, departures, and closing errors.  
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Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
Subdivisional boundary	S.89°51'W.	80.10		.21		80.10
	N.89°55'W.	80.12	.12			80.12
	N.89°56'W.	80.24	.09			80.24
	N.89°57'W.	80.14	.07			80.14
	S.89°55'W.	80.02		.12		80.02
West,		57.54				57.54
West boundary,	North,	320.00	320.00			
North boundary,	N.89°56'E.	457.70	.53		457.70	
East boundary,	South,	320.00		320.00		
Convergency,					.29	
Totals.			320.81	320.33	457.99	458.16
			320.33			457.99
Error in latitude.			0.48			
Error in departure.					0.17	

GENERAL DESCRIPTION.

**SURFACE:** This township lies on the SW. slope of the Galiuro mountains, graneral drainage to the West. Approximate elevation, 2,500 ft.

**SOIL:** The soil consists of gumbo and clay formation in western part of the township, and sandy and rocky in the eastern part, 2nd to 4th rate.

**TIMBER:** Mesquite, juniper, oak and manzanita.

**UNDERGROWTH:** Cactus, scrub mesquite, yucca, scrub palo verde, and catclaw.

**EVIDENCE OF MINERAL:** None.

**WATERING PLACES:** Cottonwood Spring in NW.  $\frac{1}{4}$  of sec. 12, and Cherry Creek canyon with water in places. Also, water in "Double R" Canyon.

**SETTLEMENT:** None.

**IMPROVEMENTS.** Corral in sec. 2, corral in sec. 4, and range fences in various parts.

**INDUSTRY:** Stock grazing.

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BOOK 3699  
39

4-680

### FIELD ASSISTANTS. to

Theodore Vander Meer, U. S. Transitman.

NAMES.	CAPACITY.
Ben Mollette	Assts. for Sawyer. 1st chainman.
Sterling Everett	2nd chainman.
Arthur Castelazo	Flagman
Jack Rust	Cornerman
	<del>Assts. for Vander Meer.</del>
Frank Lack	1st chainman.
Earl Record	2nd chainman
Sherman Chantland	Flagman.
Walter Moore	Cornerman

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Theodore Vander Meer, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 125, Arizona, bearing date of the 24th day of October, 1923, 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 and North boundaries, and Subdivision lines of Township 12 South, Range 20 East, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes <sup>and by diagram on page 1 hereof</sup> 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 125, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

*Phoenix, Ariz.  
June 5, 1925.*

*Theodore Vander Meer*  
U. S. Surveyor  
*Transitman*

~~APPROVAL:~~

~~Office of the United States Surveyor General~~

~~The foregoing field notes of the survey of~~

~~executed by~~

~~under his special instructions dated \_\_\_\_\_, 19\_\_\_\_, 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~~



CERTIFICATE OF UNITED STATES SURVEYOR.

I, Glenn F. Sawyer, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 125, Arizona, bearing date of the 24th day of October, 1923, 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 North boundary, and Subdivision lines of

TOWNSHIP 12 SOUTH, RANGE 20 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 125, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Glenn F. Sawyer U. S. Surveyor.

APPROVAL.

San Francisco, Calif. Aug. 22, 1924

OFFICE OF U.S. SUPERVISOR OF SURVEYS.

Denver, Colorado, March 20, 1926

The foregoing field notes of the survey of the North boundary, Part (completion) of West boundary, and Part (completion) of the Subdivision lines of

TOWNSHIP 12 SOUTH, RANGE 20 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Glenn F. Sawyer, U. S. Surveyor, and Theodore Vander Meer, U.S. Transitman, under his special instructions dated October 24, 1923, for Group 125, Arizona, 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. 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.

U. S. Surveyor General