34-85 4-679

BOOK 3485

SEP, 12 1921

# FIELD NOTES

#### OF THE RESURVEY OF

the West boundary.
and part of the Subdivision lines AND OF THE SURVEY OF
part (completion) of the Subdivision lines of
Township 21 South, Range 28 East,
o
Of the Gila and Salt River Base and Meridian,
In the State ofArizona
In the State ofArizons
EXECUTED BY
Guy R. Veal, and Karl L. Siebecker,
U. S. Transitmen,
······································
In the capacity of U.S. Surveyor s., under Special Instructions dated October 6, 1919,
, · · · · · · · · · · · · · · · · · · ·
issued by the United States Surveyor General to govern surveys included in Group
No. 102, Arizona, which were approved by the Commissioner of the General Land
Om Ontohen 94 10-10 14 10 17 17 17 17 17 17 17 17 17 17 17 17 17
Office, October 24 , 1919 , and Assignment Instructions dated Nov 4 & 18 , 1919
Resurvey and Survey commenced March 16 , 1920
, 1920
Resurvey and Survey completed March 26 , 1920

Book "G"
Group 102 - - Arizona.

BOOK 3485

# INDEX DIAGRAM.

	Tou	unship	118	Sout	h th///St	Range	28 East	11/11/11/15
	6	22	5	15	<b>4</b> 9	3		
	22		21		14			
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	20		20		13			
	18	19	17	<b>1</b> 3	16		14	128
	19		18		mm			
	19	16	20	1/2/2	21	22	23	21
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*	30	17	29	1	28		26	
<b>1</b>	16		16		10			
3	81	15	<b>32</b>	9	83	34	35	36
							XIIIIIX	

Lines	resurveye	ed 1	ındeı	this Gro	up.		
Lines	surveyed	un	der t	his Group	<b>?•</b>		
Accept	ed surve	ys.	•				
Areas	surveyed	28	per	accepted	plats	on	file.

Date Diagram

Township 21 South, Range 28 East,

·	Fourt	h Standard	Parallel	South		
3-26-20	3-23-20	cı <b>3–</b> 25–20	02-02 <b>-</b> 2	<b>3</b>	2	1
3-2 02-92-2	6-20 7 22 2	<b>3-25-</b> 20 08-61-9	3-20-20 02-02-2	10	, <b>11</b>	12
¦&	22 <b>-</b> 20 18 18	3-22-20 02-61-8 17 -20 3-19-20	3 <b>–</b> 19 <b>–</b> 20	15	14	13
ାର	20-20 20-61-£	3-20-20 20 -81-6	21	22	23	24
୍ବର	-19-20 02-81-£	3-19-20 29 25-25-25	<b>3–</b> 18 <i>–</i> 20 <b>28</b>	27	26	25
ାଧ	18-20 31 -21-2	3-17-20 32 00 31-191-191-191-191-191-191-191-191-191-1	3-17-20 33	34	<b>3</b> 5	36

On the above diagram:-

black lines indicate surveys, and dotted black lines, resurveys, executed by Guy R. Veal, U. S. Transitman, and red lines indicate surveys, and dotted red lines, resurveys, executed by Karl L. Siebecker, U. S. Transitman, all on the dates shown thereon, and brown lines indicate accepted surveys.

Resurvey &

- Surveys hereinafter described executed by Guy R. Veal, and Karl L. Siebecker, U. S. Transitmen, on dates shown on diagram on page 1 hereof, using respectively Buff solar transit No. 9939 and Young and Sons' light mountain transit No. 8522, described with certificate of approval by the Assistant Supervisor of Surveys in Book "A"
- We examine the adjustments of the transits and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:
- March 14, 1920, at our camp in sec. 17, T. 21 S., R. 28 E. and S. R. B. and M., lat. 31°36'N., long. 109°31½'W., at 7 hrs. 58.7 m., p.m., l.m.t., we observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack on a peg, driven firmly in the ground, 5 chs. N. of our station.
- March 15, 1920, at 8 hrs. a.m., we lay off the azimuth of Polaris, 1°18½ to the east, and mark the true meridian thus determined by a tack driven in a stake, 5 chs. N. of our station.
- At 9 hrs. 0 m., a.m., l.m.t., we set off 31°36'N. on the lat. arcs; 2'3'S. on the decl. arcs; and determine a meridian with each solar, which in each case agrees with the true meridian.
- At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian; with each solar; the resulting decl. in each case is 2°0'S., which is the computed decl. of the sun.
- At 3 hrs. 0 m., p.m., l.m.t., with the lat. acs unchanged, we set off 1°57'S. on the decl. arcs; and determine a meridian with each solar, which in each case a rees 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.
- Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Chesterman standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurementspproperly reduced to true horizontal distances.

The west bdy.of T.21 S., R.28 E.was surveyed in 1885, by R. C.Powers, U.S.D.S., who established all corners thereon common to both T.21 S., R.27 E., and T.21 S., R.28 E.

The Powers cor.of Ts.21 and 22 S. Rs.27 and 28 E. was reestablished in 1905, by John F. Hesse, U.S.D.S., as cor. of Ts.27 and 28 S., R.27 E. only, when he established closing cor.of Ts.21 and 22 S., R.28 E. at 0.93 chs.S. therefrom. therefrom.

The cor. of Ts. 21 and 22 S.R. 27 E. was again reestablished

in 1913 by John F. Hesse, U.S.S., when he resurveyed the entire east boundary of T.21 S., R.27 E., reestablishing all cors. thereon to refer to T.21 S., R.27 E. only.

All sec. and ½ sec.cors. of Ts.21 and 22 S., R.27 E., and closing cor. of Ts.21 S., Rs.27 and 28 E. were monumented by surveyor Hesse, with iron posts with brass

No subsequent retracement or resurvey of this line is of record.

In the completion of survey of Subdivision lines of T.21 S., R.28 E., as hereinafter described, closing cors. are established against the W. bdy.thereof. It is not considered necessary to remeasure this line to determine the mid-points between said closing cors. for reestablishment of 2 sec.cors.referring to W. range of secs. in said township, as each of said secs. closed well within allowable limits. Accordingly, each such sec.cor. is reestablished by measurement from the corresponding \( \frac{1}{4} \) sec.cor. referring to areas in T.21 S., R.27 E., such distance as will locate, by computation based upon the record of the Hesse resurvey the midpoint between closing cors., except the ½ sec. cor. of sec. 6, which is reestablished at computed 40 chs. northing from the closing cor. of secs. o and 7. In the following notes of the resurvey of the W. bdy. of T.21 S., R. In the follow. 28 E., the distances which are actually chained are so noted, and the others are either described as "from record" or computed from record," as the case may be, the items of topography being omitted, but the courses and general description of each mile copied from the Such a procedure was adopted in order to present the resurvey in the proper form.

From the original closing cor. of Ts. 21 and 22 S., R. 28 E., which is a granite stone, 5x10x7 ins. above ground, marked "CC" and 6 grooves on E. face, and 6 grooves on each of N. and S. faces, and witnessed by 3 pits, one each N., S. and E. of cor., and mound of earth E. of cor. bearing trees.

N.0°11'E. (as per record of retracement in 1999 by Jacobs and Curry, U.S.Deputy Surveyors), on true line on W. bdy.of sec.31.
(From record) The reestablished cor.of Ts.21 and 22 S.,

R.27 E., which is an iron post 3 ins. in diam., projecting 12 ins. above ground, properly marked on brass cap, and witnessed by 3 pits, one each N., S. and W. of cor., and a mound of earth W. of cor. No bearing tress, and a mound of earth with core is taken from

This cor. description and the above is taken from Surveyor Hesse's record, but the descripton of all the existing cors. N.of this cor. with the exception of the Tp. closing cor. on the 4th.Std.Parallel S. are from personal observations of the same by Surveyor Ross.

N.0° 16' E.on true line, continuing measurement of W.bdy

of sec. 31. '40.085 (Mid-point computed from record) Set an iron post, 3 ft. 1 in. in diam., 27 ins. in the ground, for rees tablished a sec.cor. of sec.31 only, marked on brass cap,

	endent Resurvey of West bdy. of Township 21 South, Range 28 B
Chains.	1920 · · · · ·
	. 「 <del>空</del> 321
	1920
•	
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. This
,	cor. located by chaining S.0°16'W.,7.055 chs.from \frac{1}{2}
	sec.cor.of sec.36.
47.14	(Computed from record) The reestablished \(\frac{1}{4}\) sec.cor.of sec.36, T.21 S., R.27 E., which is an iron post, 1 in.
	in diam., projecting 10 ins. above ground, firmly set,
	properly marked on brass cap, and witnessed by two
	pits, one each N. and S. of post, and a mound of earth, W.
•	of cor. No bearing trees.
	Thence,
	N.0°02'E., on true line, continuing measurement of W, bd. of sec.31.
80.17	(computed from record), Point of intersection of subdi-
	vision line, bet. secs.30 and 31, T.21 S., R.28 E., sur-
	veyed due west, as hereinafter described, at which
	point,
	Set an iron post, 3 ft.long, 2 ins. in diam., 27 ins. in
	the ground, for closing cor.of secs. 30 and 31, 7.21 S., R.28 E., marked on brass cap.
	restor he a mention off or and only
	T21S
	T21S R27E S30 CC
-	R2/E = 00
	\$36 S31
	I K∠OE
	1920
	and raise a mound of stone, 2 ft. base, 11 ft. high,
	E.and cor.
	Land, rolling.
	Soil, sandy, mixed with gravel, and rocks, 2nd rate.
	Undergrowth, chaparral and greasewood.
* * * * * * * * * * * * * * * * * * * *	
	From closing cor. of secs. 30 and 31.
	N. 12 E. on true line, on W. bdy. of sec. 30.
7.54	(Chain measurement). The reestablished cor. of secs. 25 and
	36, T.21 S., R.27 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. No bearing trees. The record de-
	scribes accessories to this core as pits and mound of
	earth, which apparently is an error.
	Thence
1	N.0°6 W. on true line, continuing measurement of W. bdy.
40-015	of sec.30. (Mid-point computed from record) Set an iron post, 3
40.01)	ft.long, lain. in diam. 18 ins. in the ground, deposit
	marked (x) stone, and raise a mound of stone around
. •	post; for reestablished a sec. cor. of sec. 30 only with
	brass cap, marked
	1970
<b>(</b>	7.30
	‡s30
	2000 ALCONOMICS CONTRACTOR CONTRA
	This cor. is located by chaining S.0.6 E. 7.895 chs.from
47.91	computed from record protestablished to sec. cor. of sec.
41.74	25, T.21 S., R.27 E., which is an iron post, 1 in. in
	diam. projecting 10 ins. above ground firmly set
• · · · ·	properly marked on brass cap, and witnessed by two
	pits, one each Neard Seof post, and mound of earth W.
_ '	of cor. No bearing trees.
	Thence,

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Dependent Resurvey of West bdw. of Township 21 South, Range 28 E.
Chaind .
            N.1°7'E. on true line, continuing measurement of W. bdy. of
            80.03 chs.northing as computed from record) Point of
80.04
                 intersection of subdivision line, bet.secs.19 and 30,
                 T.21 S., R.28 E., surveyed due west, as hereinafter
            described, at which point.
Set an iron post, 3 ft.long, 2 ins. in diam., 27 ins. in the ground, for closing cor. of secs. 19 and 30, T.21 S.,
                 R.28 E., marked on brass cap,
                                                      T21S
                                              T218 | $19
                                                              _CC
                                                $25 R28E
                                                 1920
                 and raise a mound of stone, 2 ft.base, 1 ft.high, E.
                 of cor.
            Land, rolling.
            Soil, sandy, mixed with rocks and gravel; 2nd rate. No timber.
            Undergrowth, chaparral and greasewood.
            From closing cor. of secs. 19 and 30, N.1.7'E., on true line, on W. bdy. of sec. 19.
            (Chain measurement) The reestablished cor. of secs. 24 and 25, T.21 S., R.27 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 two
  8.27
                 pits, one each Sw. and Nw. of post, and mound of earth
                                     No bearing trees.
                  W.of cor.
            Thence,
N.0°31'W., on true line, continuing measurement of W. bdy.
                  of sec.19.
             (Mid-point computed from record), Set an iron post, 3 ft.
 39.92
                 long, 1 in. in diam., 27 ins. in the ground, for re-
established \(\frac{1}{2}\) sec. cor. of sec. 19, T.21 S., R.28 E.,
                  marked on brass cap,
                                                      ½S19
                  and raise a mound of stone, 2 ft.base, 12 ft.high, E. of
                  cor. This cor. is located by chaining S.0°31'E..8.70
             chs.from $\frac{1}{2}$ sec.cor. of sec.24.

(Computed from record), The reestablished $\frac{1}{2}$ sec.cor.of sec.24, T.21 $\frac{1}{2}$., R27 $\frac{1}{2}$., which is an iron post, 1 in. in diam., projecting $10$ ins. above ground, firmly set, properly marked on brass cap, and witnessed by two pits, one each $\frac{1}{2}$. and S.of post, and mound of earth $\frac{1}{2}$.
 48.62
                  W.of cor. No bearing trees.
             Thence,
             N.0°24'E., on true line, continuing measurement of W. bdy.of sec.19.
             (Computed from record) Point of intersection of subdivision line bet. secs. 18 and 19, T. 21 S. . R. 28 E. , surveyed due west as hereinafter described, at which
 79.84
                  point,
             Set an iron post, 3 ft.long, 2 ins. in diam., 27 ins.in the ground, for closing cor. of secs.18 and 19, T.21 S., R:28 E., marked on brass cap.
                                               T218 S18
                                               R27E | S19 CC | R28E
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BOOK 3485

6 Dependent Resurvey of West bdy. of Township 21 South Range 28 E. Chains. and raise a mound of stone, 2 ft.base, 12 ft. high, E. of cor. Land, rolling. Soil, sandy, mixed with gravel and rocks: 2nd rate. No timber.. Undergrowth, greasewood, mesquite and chaparral. From closing cor.of secs.18 and 19. N.0°24'E., on a true line, on W.bdy. of sec. 18. (Chain measurement). The reestablished cor.of secs.13 and 24, T.21 S., R.27 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 9.19 of stone, W.of cor. No bearing trees. Thence. N.0°3'E., on true line, continuing measurement. of Wbbdy. of sec.18. (Mid-point computed from record), Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, deposit marked (x) stone; and raise a mound of stone around post, for reestablished \(\frac{1}{4}\) sec. cor.of sec. 18 only, with brass 39.93 cap, marked 1<sub>4</sub>518 This cor. is located by chaining 9.62 chs.S.0°3'W. from 1 sec.cor.of sec.13.

(Computed from record). The reestablished \(\frac{1}{2}\) sec.cor.of sec.13. T.21 S., R.27 E., which is an iron post.1 in in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W.of cor. No bearing trees. 49.55 Thence, N.0.22'E. on true line, continuing measurement of W.bdy.of sec.18. (Computed from record) Point of intersection of subdivision line, bet. secs. 7 and 18, T.21 S., R.28 E., surveyed due west as hereinafter described, at which point, Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for closing cor. of secs. 7 and 18, T.21 S., 79.86 R.28 E., marked on brass cap, T21S T218 S 7
R27E S18
R28E 1920 and raise a mound of stone, 2 ft.base. 12 ft.high. E. of Land, rolling and mountainous: Soil, rocky, 4th rate. No timber. From closing cor. of secs: 7 and 18. N.0°22'E., on true line, on W.bdy.of sec.7.
(Chain measurement) The reestablished cor.of secs.12 and 13; T.21 S.; R.27 E., which is an iron post. 3 ins.in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and withesed by a mound of stone, W.of cor. No bearing trees. 10.08 N.0°7'E., on true line, continuing measurement of W.bdy.of sec. 7. 40.035 ((Midpoint computed from record), Set an iron post, 3 ft.

	ent Resurvey of West bdy.of Township 21 South, Range 28 East.
thains.	long, l in. in diam., lo ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post; for reestablished \(\frac{1}{4}\) sec.cor:of sec.7 only, with brass cap, marked
	1920
50 • 47	This cor.is located by chaining S.0°7"W., 10.435 chs.from \frac{1}{4} sec.cor.of sec.12.  (Computed from record) The reestablished \frac{1}{4} sec.cor.of sec. 12, T.21 S., R.27 E., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W.of cor. No bearing trees.
80.07	Thence, N.0°35' E.on true line, continuing measurement of W.bdy. of sec.7. (computed from record) Point of intersection of subdivision line bet. secs.6 and 7, T.21 S., R.28 E. surveyed due west, as hereinafter described, at which point, Set an iron post, 3 ft.long, 2 ins. in diam., 27 ins. in the ground, for closing cor.of secs.6 and 7, T.21 S., R.28 E., marked on brass cap,
	T21S R27E S12 S 6 S 7 R28E 1920
•	and raise a mound of stone, 2 ft. base, $l\frac{1}{2}$ ft. high, E, of cor. Land, rolling and mountainous. Soil, rocky, 4th rate. No timber.
10.90	From closing cor. of secs. o and 7, N.0°35'E., on true line, on W.bdy. of sec. o. (Chain measurement) The reestablished cor. of secs. 1 and 12,T.21 S.,R.27 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. No bearing trees.
40.00	Thence, N.0°23'E., on true line, continuing measurement of W.bdy. of sec.6. (Computed from record) Set an iron post, 3 ft.long, 1 in. in diam., 10 ins. in the ground, deposit marked (x) stone, and raise a mound of stone, around post, for reestablished ½ sec.cor.of sec.o only, with brass cap, marked
	1920
49•37	This cor. is located by chaining S.0°23'W.,9.37 chs.from \( \frac{1}{4}\) sec cor. of sec. o. (Computed from record), The reestablished \( \frac{1}{4}\) sec. cor. of sec. 1, T.21 S., R.27 E/, which is an iron post, 1 in. in diam., projecting 10 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°23'E., on true line, continuing measurement of W.bdy.

Dependent resurvey of West bdy. of Township 21 Bouth, Range 28 E.

Chains. 83.80

(Computed from record) The reestablished closing cor.of
Ts.21 S., Rs.27 and 28 E., on 4th Std. Par. S. Which is an
iron post, 3 ins. in diam., projecting 12 ins. above
ground, properly marked on brass cap, and witnessed by
a mound of stone, S. of cor. No bearing trees. This
cor.description is taken from record of the reestablishment of same by John & Hesse U.S.S. in 1913. lishment of same by John F. Hesse, U.S.S., in 1913.

Land, hilly. Soil,4th rate, rocky. No timber.

g & 0233

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Chains.
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The following notes describe the survey of the completion of the Subdivision lines of T.21 S., R.28 E., the accepted surveyed portion of the Subdivision lines having been executed by John F. Hesse, U.S.D.S. in 1905. No retracement or resurvey of Subdivision lines in this township is of record.

The original cor. of secs. 3, 4,9 and 10, is a granite stone, 6x8x6 ins. above ground, firmly set, marked with 5 notches on S.edge, and 3 notches on E.edge, and witnessed by a mound of stone, W.of cor. No bearing

Thence,

N.0°2'W., on a true line, bet. secs. 3 and 4.

Over rolling and broken land, thru. scattering undergrowth.

Descend 45 ft.

Wash, 50 1ks.wide, course SE. Ascend 35 ft.

3.95 7.65

Thence over rolling land.

22.00 32.00 38.00

Wash, 20 lks.wide, course S.80° E. .
S. Irvin's house and barn yard, bear west 8 chs.dist.
Wash, 30 lks.wide, course SE.
Set an iron post, 3 ft.long, 1 in. in diam., 18 ins. in the ground, deposit marked (x) stone; and raise a mound of stone around post, for \( \frac{1}{4} \) sec.cor., with brass cap, marked

1920

59.80 68.50

81.47

40.00

Road, brs. NW. and SE.

Cabin, 8x10xft., brs.E. 2 chs.dist.

Intersect the 4th. Standard Parallel South, 7.62 chs. W. of the standard  $\frac{1}{4}$  sec. cor. of sec. 33, T.20 S., R.28 E., reestablished in 1916 by Sidney E. Blout, in his resurvey of the Parallel thru. W.  $\frac{1}{2}$  of Range 28 Past, which is an iron post, 1 in. in diam., firmly set, properly marked on brass cap, and witnessed by a mound of stone N. of cor. No bearing At point of intersection, No bearing trees.

Set an iron post, 3 ft.long, 2 ins. in diam. 18 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for closing cor. of secs. 3 and 4, with brass cap, marked

> T20S R28E S33 S 4 S 3 T21S R28E . CC

Land, rolling and broken. Soil, sandy and rocky, 4th rate. No timber. Undergrowth, greasewood and mesquite.

The cor. of secs. 32 and 33 on the S. bdy. of Tp. was established by John F. Hesse in 1905, as cor. of four secs., but changed to its present designation and description by Jacobs and Curry in 1908, when they established closing cors. for secs. in T.22 S., R.28 E.

This cor. is a limestone, 6x10x5 ins. above ground, firmly set, marked with 4 notches on Einedge, and 2 notches on W.edge, and witnessed by a mound of stone, N.of cor. No bearing trees.

N.0°2'W., bet. secs. 32 and 33.

```
10 Completion of Subdivision lines of T.
           Over rolling land, thru. scattering undergrowth.
           Ascend 35 ft.
10.00
           Descend.
           Wash, 10 1ks. wide, course SW. Ascend 90 ft.
15.20
           Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in the ground deposit marked (x) stone, and raise a mound of stone around post, for \(\frac{1}{4}\) sec.cor., with brass cap,
40.00
            Ascend .50 ft.
50.00
            Descend.
57.50
            Wash, 10 lks.wide, course SW.
60.60
            Gulch, 10 lks.wide course SW.
                                                              Ascend .480 ft., over S.slope.
73.60
80.00
           Spur, slopes SW. Continue ascent.
Set an iron post, 3 ft.long, 2 ins. in diam., 4 ins. in the ground, deposit marked (x) stone, and raise a mound
                 of stone around post, for cor, of secs. 28,29,32 and
                 33, with brass cap, marked
                                                T215 R28E
S29 S28
                                                  S32 | S33
            Land, rolling and mountainous.
            Soil, sandy and rocky, 4th rate.
            No timber.
            Undergrowth, greasewood.
            East, on a random line, bet. secs. 28 and 33.
            Set temp. \( \frac{1}{4} \) sec.cor.\( \)

Intersect N. and S. line, 28 lks.S. of the original cor. of secs. 27, 28, 33 and 34, which is a limestone, \( \text{0x} \text{0x} \text{0x} \) ins. above ground, firmly set, marked with 1 notch on S. edge, and 3 notches on E. edge, and witnessed by a mound of stone, W. of cor. No bearing trees.
 40.00
80.26
            Thence, S.89°48'W., on a true line, bet. secs. 28 and 33.
            Over mountainous land, thru. scattering undergrowth.
            Descend 50 ft., over NW.slope.
            Gulch, 10 lbs.wide, course SW. Ascend 25 ft. End of spur, slopes S. Descend 125 ft., over SW.slope. Gulch, 10 lks.wide, course NW. Ascend 115 ft., over NE.
6.25
15.75
26.75
                 slope.
            Spur, slopes N. Descend 55 ft., over NW. slope, to
Set an iron post, 3 ft.long, 1 in. indiam., 22 ins. in the
ground, deposit marked (x) stone, and raise a mound of
                 stone, around post, for \frac{1}{4} sec.cor., with brass cap,
                 marked
           Descend 10 ft.
Head of gulch, 10 lks.wide, course NE. Ascend 235 ft.,
over NE.slope.
 42.35
53.85
62.65
72.85
78.95
            Spur, slopes NE. Descend 120 ft.
            Divide; brs: NW: and SE. Descend 115 ft. over SW.slope. Gulch, 10 lks.wide, course SW. Ascend 130 ft.
            Spur, slopes SE. Descend.
80.20
            The cor. of secs. 28, 29, 32 and 33.
            Land, mountainous.
            Soil, rocky, 4th rate. No timber.
            Undergrowth, ocotilla and mescal.
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Completion of Subdivision lines of T. 21 S. R.28 E.
 Chains.
              N.0^{\circ}2'W., bet. secs. 28 and 29.
             Over mountainous land, thru. scattering undergrowth.

Ascend 95 ft., over SW. slope.

Divide, brs.NW. and SE. Descend 275 ft.

Head of gulch, course NW. Continue descent.

Foot of descent; ascend.

Spur, slopes NW. Descend 285 ft., over N. slope.
5.90
10.20
20.00
24.00
              Gulch, 10 lks.wide, course NW. Ascend.

Set an iron post, 3 ft.long, 1 in. in diam., 16 ins. in
the ground, deposit marked (x) stone, and raise a mound
of stone around post, for \(\frac{1}{4}\) sec.cor., with brass cap,
39.00
40.00
                   marked $29 s28
              Ascend 50 ft.

Descend 225 ft., over NW. slope.

Wash, 15 lks. wide, course NE. Continue descent.

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 20;21, 28 and 29, marked
49.95
75.20
80.00
                   on brass cap;
                                                           T21S R28E
S20 S21
                                                               S29 S28
                                                                 1920
                     and raise a mound of stone, 2 ft. base. 12 ft. high,
                     W.of cor.
               Land, mountainous.
               Soil, rocky, 4th rate.
               No timber.
               Undergrowth, mescal and ocotilla.
                         N.89°48'E., on a random line, bet. secs.21 and 28.

Set temp. sec.cor.

Intersect N. and S. line, 10 lks.N.of the original cor.

of secs.21,22,27 and 28, which is a limestone,4x8x16
40.00
80.32
                     ins., firmly set in a mound of stone, marked with 2 notches on S.edge, and 3 notches on E.edge, and witnessed by a mound of stone, W.of cor. Bo bearing
                     trees.
                Thence,
               S.89°52' W., on a true line, bet. secs. 21 and 28. Over mountainous land, thru.scattering undergrowth.
               Ascend 105 ft.
  8.90 Rocky knowl. Descend 250 ft., over W.slope.

3.10 Gulch, course N. Ascend 220 ft.

4.55 Spur, slopes S. Descend 115 ft., over W.slope, to

5.10 Set an iron post, 3 ft.long, 1 in. in diam., 6 ins. in

the ground, deposit marked (x) stone, and raise a
 23.10
 34.55/
40.16
                     mound of stone, around post, for 2 sec.cor., with brass
                     cap, marked
                                                     \frac{1}{4} 3 21
                                                               s 28
                                                               1920
               Descend 30 ft.
42.50
48.50
64.55
69.60
               Gulch, course S. Ascend 40 ft., over E.slope. Spur, slopes S. Descend 105 ft. Draw, course S. Thence along S.slope.
               Descend 75 ft.
Wash, 40 lks.wide, course N.10° W. Ascend.
The cor.of secs.20,21,28 and 29.
 79.90
80.32
               Land, mountainous.
              .Soil, rocky, 3rd rate.
               No timber.
               Undergrowth, greasewood.
```

1		y and Resurvey of Subdivision line bet.secs.20 and 21.
	Chains.	SURVEY.
	•	The North half of line, bet. secs.20 and 21 is an accepted surveyed line; therefore, survey the S. 2 of said line, and resurvey the N. 2 as follows:
	40.42	21. which is a porphyry rock, 10x12x 24 ins. firmly
		nessed by a mound of stone, W. of cor., and one bearing tree, A walnut, 12 ins. in diam., S. 65 % W., 115 lks.
		Change this cer, to refer to sec. 21 only, by destroying the mound of stone of cor. and raising acres new mound of stone, 2 ft.base, 12 ft.high. Lof cor.
		The original bearing tree becomes an accessory to the reestablished ½ sec.cor.of sec.20 only, hereinafter described.
		True course and dist.of line back to cor.of secs. 20,21, 28 and 29 are therefore, S.0° 15'E., 40.42 chs. From \( \frac{1}{4} \) sec.cor.of sec. 21,
	0.27	S.0°15'E., on true line, on W. bdy.of sec.21 (S.½).  Over mountainous land, thru. scattering undergrowth.  Descend slightly over SW.slope, to  (Mid point of E.bdy.of sec.20), Set an iron post, 3 ft.
		long, l in. in diam., on bed rock, supported in a mound of stone, containing marked (x) stone, for reestablished \( \frac{1}{2} \) sec.cor. of sec.20 only, with brass cap,
	ę	marked <sup>1</sup> / <sub>4</sub> S20
		1920
		from which, The original bearing tree, a walnut, 12 ins. in diam., brs. S. 79° W., 107 lks. dist. Descend 75 ft. to sec. cor.
	17.42	Wash, 40 lks.wide, course NW. Thence over broken E.slope, to
	24.40 39.62 40.42	Same wash, course N.20°E. Thence along W.slope. Same wash, course N.20°W.  (40.15 chs.S.0°15'E., from 2 sec.cor.of sec.20), Intersect
		the cor. of secs. 20,21,28 and 29.  RESURVEY.
		From \(\frac{1}{4}\) sec.cor. of sec.21,
	39.88	17 lks.W. of the original cor. of secs.16, 17, 20 and 21, which is a porphyry stone, 5x10x6 ins. above ground, firmly set, marked with 3 notches on S.edge, and 4 notches on E.edge; and withessed by a mound of stone.
		W. of cor. No bearing trees.  True course and dist. of line back to \(\frac{1}{4}\) sec.cor. of sec.  21 are therefore, S. 0°13'W., 39.88 chs.  From cor. of secs. 16,17,20 and 21,  S. 0°13'W., on true line, on W. bdy. of sec. 21 (N.\frac{1}{2}).  Over mountainous land, thru. scattering undergrowth.
	9.00 26.65 27.90	Road, brs.E.and W. Center of wash, 100 lks.wide, course W. Ascend 50 ft.
	32.30 39.38	Intersect the \(\frac{1}{4}\) sec.cor.of sec.21, hereinbefore described.  Land, mountainous.  Soil, rocky loam, 3rd rate.
		No timber. Undergrowth, greasewood and mescal.

Enter scattering undergrowth. The cor. of secs. 8,9,16 and 17.

Land, level and mountainous.

60.00 80.00

Completion of Subdivision lines of T. 21 S., R. 28 B. Chains. Soil, gravelly and rocky, 3rd and 4th rate. Undergrowth, scrub cedar, catclaw and cactus No timber. in W. 20 chs.only. N.0°2'W., bet. secs. 8 and 9. Over mountainous land, thru.scattering undergrowth. Descend 400 ft. Road, brs.SW and NE., in wash, course NE. Continue de-34.60 scent. Set an iron post, 3 ft.long, 1 in. in diam., 6 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for 4 sec. cor., with brass cap. 40.00 s 8 s 9  ${ t Ascend.}$ End of spur, slopes E: Descend. 41.00 Gulch, course NE. Ascend 555 ft., over S. slope.

Spur; slopes SE. Descend 135 ft., over NE slope.

Gulch, course E. Ascend 35 ft. to

Set an iron post, 3 ft.long, 2 ins. in diam., 16 ins. in

the ground, deposit marked (x) stone, and raise a

mound of stone around post, for cor. of secs. 4.5.8 and 9. 46.00 70.00 78.50 80.00 marked on brass cap, T213 R28E 3535 S34 5 8 8 9 1920 Band hountainous. 41.00 Soil, sandy and rocky, 4th rate. Undergrowth, scattering cedar and catclaw. N.89°57'E., on a random line, bet. secs.4 and 9. Set temp. 4 sec. cor.
Intersect N. and S. line, 14 lks. N. of the original cor. of secs. 3,4,9 and 10, here inbefore described. 40.00 80.14 Thence,
N.89°57'W., on a true line, bet.secs. 4 and 9.
Over rolling and mountainous land, thru. scattering undergrowth.
Ascend 25 ft. Ridge, brs. N. and S. Descend 85 ft. Center of wash, 40 lks. wide, course w. from S. Descend in 2.15 · 10.15 28.15 Leave wash, course SW. Thence over relling land. Wire fence, brs. NW. and SE.
Set an iron post, 3 ft.long, 1 in. in diam. 27 ins. in the ground, for 4 sec. cor., marked on brass cap, 32**.95** 40.07 1920 and raise a mound of stone, 2 ft. base, 12 ft. high, N. of cor. **44.4**5 **45.0**5 **68.8**0 Wire fence, brs. N. and S. Ascend 200 ft., over SE. slope. Cabin, 8x10 ft., brs. N. 5 chs. dist. Descend. Gulch; course SE. Ascend 225 ft. The cor. of secs. 4,5,8 and 9. 70.65 80.14 Land, rolling and mountainous. Soil, sandy and rocky; 4th rate. No timber. Undergrowth, scrub cedar and catclaw.

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Survey of Completion of Subdivision of T.21 S., R.28 E.
                                                                                                                                 15
Chains.
              N.0°2'W., on a true line, bet. secs. 4 and 5.
              Over rolling and broken land, thru scattering undergrowth.
             Ascend, 70 ft.
1.30
10.75
22.60
             Spur, slopes SE. Continue ascent 50 ft. Spur, slopes. NE. Descend 500 ft., over NW. slope. Gulch, 10 lks. wide, course NE. Ascend 125 ft., over SE.
34.00
39.80
             Spur, slopes NE. Descend 165 ft.
             Gulch, 5 lks.wide, course NE. Ascend.

Set an iron post, 3 ft. long, 1 in.in diam., 10 ins. in
the ground, deposit marked (x) stone, and raise a mound
of stone around post, for \(\frac{1}{4}\) sec.cor., with brass cap,
40.00
             Spur, slopes NE. Descend 25 ft., over N. slope/
41.50
             Gulch, 3 lks.wide, course E. Ascend 55 ft. Spur, slopes NE. Descend 80 ft., over N. slope. Gulch, 5 lks.wide, course NE. Ascend 185 ft., over SE.
44-90
49-90
59.•25
                    slope, to
             Intersect the 4th Standard Parallel South, 7.93 chs.W.of the standard & sec.cor. of sec.32, T.20 S., R.28 E., reestablished by Sidney E. Blout, U.S.S. in 1916, which is an iron post 1 in. in diam., projecting 10 ins.
81.65
                   above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, N. of cor. No bear-
             ing trees.

At the point of intersection, Set an iron post, 3 ft.long, 2 ins. in diam., 6 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around past, for closing cor.of secs. 4 and 5, with brass cap, marked
                                                       · T20S R28E
                                                               S32
                                                          S 5 S 4
T218 R28E
                                                                CIC
                                                             1920
             Land, rolling and broken.
              Soil, rocky, 4th rate.
              No timber.
              Undergrowth, mesquite, greasewood and oak.
             The cor. of secs. 31 and 32, on the S. bdy. of the Tp. was established by John F. Hesse, in 1905, as cor. of 4 secs., but the cor. was changed to its present designation and description by Jacobs and Curry in 1908, when they established closing cors. for the secs. in T. 22 S., R. 28
                           This cor. is a limestone, 6x5x8 ins. above ground.
                   firmly set, marked with 1 notch on W.edge, and 5 notches
                   on E.edge, withessed by a mound of stone, N.of cor. No
                   bearing trees.
              Thence,
             N.0°3'W., bet.secs. 31 and 32.
Over rolling land, thru.scattering undergrowth.
Ascend 105 ft.to
10.00
             Set an iron post, 3 ft.long, 1 in. in diam. 27 ins. in the ground, for 2 sec. cor., marked on brass cap,
40.00
                                                         831 832
                                                           1920
```

and raise a mound of stone, 2 ft.base, 12 ft. high, W. of

cor. Ascend 70 ft.

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Completion of Subdivision of Township 21 South, Range 28 East.
Chains.
             Descend.
Wash,10 lks.wide, course SW. Ascend 35 ft.to
Set an iron post, 3 ft.long, 2 ins. in diam.,18 ins.in
the ground, deposit marked (x) stone, and raise a mound
the ground post for cor.of secs.29.30.31 and 32,
65.00
74.10
80.00
                   of stone around post, for cor. of secs. 29,30,31 and 32,
                   with brass cap, marked
                                                    . T218 R28E
                                                        · <u>$30</u> | $29
                                                        831 832
                                                            1920
              Land, rolling.
              Land, gravelly, 3rd rate.
              No timber.
              Undergrowth, greasewood and mescal.
              East, on a random line, bet.secs.29 and 32.

Set temp. 1 sec. cor.

Intersect N. and S. line, 35 lks.S. of the cor. of secs.
28,29, 32 and 33, hereinbefore described.
 40.00
 80.20
              Thence, S.89°45'W., on a true line, bet. secs.29 and 32. Over mountainous land, thru. scattering undergrowth. Descend 515 ft., over SW.slope.
              Gulch, 10 lks. wide, course SW. Ascend 115 ft., over SE.
 11.20
                    slope.
              Spur, slopes SW. Descend 115 ft.
Gulch, 10 lks.wide, course SW. Ascend 55 ft.
Spur, slopes SW. Descend 125 ft.to
Set an iron post, 3 ft.long, 1 in. in diam., 20 ins. in
the ground, deposit marked (x) stone, and raise a
mound of stone around post, for 2 sec.cor., with brass
 15.80
19.80
25.40
 40.10
                     cap, marked
               Descend 125 ft.
               Wash, 20 lks.wide, course.SW. Ascend.
  62.00
               Descend 50 ft.to
  65.20
80.20
               The cor. of secs. 29,30,31 and 32.
                Land , mountainous.
               Soil, sandy and gravelly, 3rd and 4th rate.
               No timber.
               Undergrowth, greasewood, and mescal.
                ______
               West, on a true line, bet. secs.30 and 31.
               Over rolling land, thru, scattering undergrowth.

Four wire fence, brs.NE and SW.

Set an iron post, 3 ft.long, 1 in. indiam., 27 ins. in the ground, for \(\frac{1}{2}\) sec.cor., marked, on brass cap,
  5.00
40.00
                     and raise a mound of stone, 2 ft.base, 12 ft.high, N. of
  49.60
86.30
               Dim road, brs. N.and S. Road, brs. NW. and SE.
                Intersect W. bdy.of Tp., 7.54 chs.S.0°2'W. of reestablished cor.of secs.25 and 36,T.21 S.,R.27 E., at which point, establish the closing cor. of secs.30 and 31, T.21 S.;R.28 E., as hereinbefore described.

Land, rolling. Soil, gravelly, 3rd rate.

No timber, Undergrowth, greasewood.
  93.52
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Completion of Subdivision of T.21 S. R. 28 E.
 Chains.
           From cor. of secs. 29,30,31 and 32, N.0°3' W., bet. secs. 29 and 30.
           Over rolling land, thru. scattering undergrowth. Ascend 100 ft., over SW. slope.
10.60
           Four wire fence, or brs. NE and SW.
17.00
17.35
21.90
           Descend.
           Draw, 3 lks.wide, course SW. Ascend.
           Spur, slopes W. Descend 20 ft.
           Wash, 10 lks.wide, course SW. Ascend 30 ft.to
Set an iron post, 3 ft.long, l in. in diam., 27 ins. in
the ground, for 4 sec.cor., marked on brass cap,
34.00
40.00
                                               830 829
                                                 1920
                and raise a mound of stone, 2 ft.base, 12 ft.high, W. of
                cor.
           Ascend 75 ft.
          Spur, slopes W. Descend 75 ft., over NW. slope, to
Set an iron post, 3 ft.long, 2 ins. in diam., 12 ins. in
the ground, deposit marked (x) stone; and raise a mound
55.00
80.00
                of stone around post, for cor. of secs. 19,20,29 and 30, with brass cap, marked
                                               T215 428-
                                                $19 | $20
                                                 S30 S29
                                                  1920
           Land, rolling. .
           Scilugravelly, 3rd and 4th rate.
           No timber.
           Undergrowth, greasewood.
           N.89°45' E., on a random line, bet. secs.20 and 29.
40.00
80.36
           Set temp. 2 sec. cor.
           Intersect N. and S. line, 5 lks. N. of the cor. of secs. 20,
                21,28 and 29, hereinbefore described.
           Thence, S.89°47'W., on a true line, bet. secs.20 and 29%. Over mountainous land, thru. scattering undergrowth.
           Spur, slopes NW. Continue ascent, 40 ft.

Spur slopes N. Descend 90 ft.

Wash, 15 lks.wide, course N. Ascend 110 ft. to \(\frac{1}{4}\) sec.cor.

Spur slopes NE. Continue ascent.

Set an iron post, 3 ft.long, 1 in. in diam., 6 ins. in

the ground, deposit marked (x) stone, and raise a mound

of stone around nost for \(\frac{1}{2}\) sec.cor.
13.50
19.60
26.00
37.00
40.18
                of stone around post, for 2 sec.cor., marked with brass
                                                S 29 1
                                                 1920
           Ascend 285 ft.
           Ridge, brs. N. and S. Descend 305 ft., over W. slope, to The cor. of secs. 19,20, 29 and 30.
           Land, mountainous.
           Soil, rocky, 4th rate.
           No timber.
           Undergrowth, ocotilla and massel.
           West, on a true line, bet. secs.19 and 30.
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Over rolling land, thru. scattering undergrowth.

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tion Lf Subdivision of Township 21 South Range 28 Apst.
Chains.
               Road, brs. NE. and SW.
 11.30
              Set an iron post, 5.ft.long, l.in.in.diam,, 27 ins. in the ground, for z sec.cor., marked on brass cap.
 40.00
                                                     $ 19
$ 30
1920
                    and raise a mound of stone, 2 ft. base, 12 ft. high, N.
               of cor.
Road, brs.N.and S.
 62.70
              Intersect W bdy.of Tp., 8.27 chs.S.1° 7'W. of the reestablished cor.of secs. 24 and 25, T.21 S., R.27 E., at which point establish the closing cor. of secs.19 and 30, T.21 S., R.28 E., as hereinbefore described.
 93.00
               Land, rolling.
               Soil, sandy and gravelly, 3rd rate.
               No timber.
               Undergrowth, greasewood.
                                From cor.of secs. 19,20, 29 and 30, N.0°3'W., bet. secs.19 and 20.
               Over rolling land, thru. scattering undergrowth. Road, brs. NE. and SW. Wash, 10 lks.wide, course W. Ascend 275 ft., over mountain-
  4.30
13.30
                     ous S.slope.
               Spur, slopes W. Descend 10 ft. to
  38.60
               Set an iron post, 3 ft.long, 1 in. in diam., o ins. in the ground, deposit marked (x) stone; and raise a mound of stone around post, for 2 sec.cor., with brass cap,
  40.00
                      marked
                                                         S19
                                                                  S20
                                                             1920 -
                Ascend.
               Ascend.

Saddle of ridge, brs.NW. and SE. Descend NE.slope/
Head of gulch, 10 lks.wide, course NE. Ascend 190 ft..

Spur, slopes NE. Descend 400 ft., over N.slope to sec.cor.

Shaft of Heffern Mine, brs.N.48°E.

Set an iron post, 3 ft.long, 2 ins. in diam., 8 ins.in

the ground, deposit marked (x) stone, and raise a mound

of stone around nost for cor of secs. 17 18 19 and 20
  45.00
48.60
67.55
69.43
  80.00
                      of stone around post for cor. of secs. 17,18,19 and 20,
                      with orass cap, marked
                                                           T215 R28E
S18 S17
                                                            'S19 S20
                                                               1920
                Land, mountainous.
                Soil, rocky, 4th rate.
                No timber.
                Undergrowth, mesquite, ocotilla and mescal.
                N.89°47'E., on a random line, bet. secs.17 and 20.

Set temp. 2 sec.cor.

Intersect N. and S line, 7 lks. S. of the original cor.

of secs.16,17,20 and 21, hereinbefore described. Thence
S.89°44'W., on a true line, bet. secs.17 and 20.

Over mountainous land, thru. scattering undergrowth.

Descend
   40.00
   80.00
                Small gulch, course NE. Ascend 585 ft., over NE.slope. Spur, slopes SE. Descend 380 ft., over SW.slope, to
     0.20
   20.00
   31.00
                Spur, slopes SW. Descend 310 ft. to
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Completion of Subdivision of Township 21 South Range 28 East. 19
            Set an iron post,3 ft.long, 1 in.in diam.,10 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for \( \frac{1}{2} \) sec. cor., with brass cap,
40.00
                                                1 S 17
                                                     S 20
                                                     1920
            Descend 240, ft.
50.00
            Gulch, course S. Ascend. ,
            Descend 115 ft.
61.00
            Wash, 30 lks.wide, course NW. Thence over rolling land.
61.70
            Road, brs. N. to Heffern Mine and S.
Road, brs. NW. and SE.
Pipe line, brs. NW. and SE., drains NW. Ascend 25 ft.
65.00
66.20
67.00
70.00
            End of spur, slopes N. Descend 15 ft.
75.00
80.00
            Ascend 15 ft.to
            The cor. of secs. 17, 18, 19 and 20.
            Land, mountain ous.
            Soil, rocky, 4th rate. No timber.
            Undergrowth, ocotilla and cactus.
            West, on a true line, bet. secs. 18 and 19.
            Over rolling and mountainous land, thru. scattering under-
                  growth.
            Asmend 30 ft. Bescend 10 ft.
 8.00
           Head of gulch, course NW. Ascend 25 ft.

Spur, slopes NW. Descend 45 ft.

Wash, 10 lks.wide, course N. Ascend 175 ft.

Spur, slopes N. Descend 50 ft.

Head of gulch, course NW. Ascend to

Set an iron post, 3 ft.long, 1 in. in diam., 10 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for $\frac{1}{2}$ sec.cor., with brass cap, marked
10.00
13.95
19.50
36.10
40.00
                 marked
                               \frac{1}{4} \frac{\text{S } 18}{\text{S } 2}
            Ascend 110 ft.
48.00
            Spur, slopes NW. Descend 230 ft.
           Gulch, 10 lks.wide, course NW. Ascend 65 ft.
Ridge, brs.NW and SE. Descend 120 ft.to
Road, bss.NW and SE. Thence over level land.
Intersect W. bdy.of Tp., 9.19 chs.S.0°24'W.of the reestablished cor.of secs.13 and 24, T.21 S.R.27 E., at
59.90
69.10
93.08
                 which point establish the closing cor. of secs. 18 and 19, T.21 S., R.28 E., as hereinbefore described.
            Land, mountainous and level.
            Soil, rocky, 4th rate.
No timber.
            Undergrowth, greasewood.
            From cor. of secs. 17, 18, 19 and 20;
            N.0°3'W., bet. secs.17 and 18.
Over mountainous land, thru. scattering undergrowth.
           Wash, 30 lks.wide, course NW: Road in wash, brs. NW to McNeal, and SE. to Heffern Mine: Ascend.
 4.00
12.00
            Spur, slopes SW. Descend.
           Gulch, 10 lks. wide, course SW. Ascend.
Set an iron post, 3 ft.long, 1 in. in diam., 16 ins. in the ground, deposit marked (x) stone, and raise a mound of
25.00
40.00
                 stone around post, for & sec. cor., with brass cap,
                 marked
```

	Completion of Subdivision of Township 21 South, Range 28 E.
Thains.	$\mathbf{S18} = 1920$
47 50	Ascend. Ridge, brs. HW. and SE. Descend 300 ft.to Wash, 15 lks.wide, course W. Thence over level land. Set an iron post, 3 ft.long, 2 ins. in diam., 18 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for cor. of secs. 7,8,17 and 18,. with brass cap.marked
•	T21S R28E S 7 S 8
•	\$18 <b>\$17</b> *
41.55 S	Band, dmountainous and level.  Soilegravelly and Bocky Petth rate: ft.to  Nostimber. s. wide, course to Three over level land.  Undergrowth, presquite tailong cotiles. in dian., 18 ins. in the ground, deposit usuned (m) a tone; and raise a mound
<b></b>	the ground, deposit usumed (m) stone; and raise a mound of atome around post, for conordances. 7, 3, 17 and 18, with brass cap, marked
40.00 80.22	N.89°44'E., on a random line, bet. secs.8 and 17.  Set temp. ‡ sec.cor.  Intersect N.and S line, 8 lks.S.of the cor.of secs.8,9,  16 and 17, hereinbefore described.
4.20 16.20 20.20 30.20 36.90 40.11	Thencem S.89°41'W., on a true line, bet. secs.8 and 17.  Over mountainous land, thru. scattering undergrowth. Ascend 80 ft., over NE. slope.  Spur, slopes SE. Descend 125 ft., over W. slope.  Gulch, 10 lks.wide, course SE. Ascend 75 ft.  Spur, slopes S. Descend 325 ft., over SW. slope.  Wash, 20 lks.wide, course S.25°E. Ascend 350 ft.  Ridge, brs.NW.and SE. Descend 100 ft. to  Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, deposit marked (x) stone, and raise a mound off stone around post, for 4 sec. cor., with brass cap, marked
47.80 80.00 80.22	S 17 1920  Descend 325 ft.  Head of guich, churse SW. Descend 565 ft., over SW. slope, to sec.cor.  Road brs. NW. to McNeal and SE. to Heffern Mine.  The cor. of secs. 7,8,17 and 18.  Land, mountainous.  Soil, rocky, 4th rate.  No timber.  Undergrowth, scattering oak, ocotilla, mescal and cactus.
1.90 15.00 27.00 33.50 37.35 40.00	West, on a true line, bet. secs. 7 and 18.  Over heavily rolling land, thru. scattering undergrowth.  Wash, 20 lks.wide, course SW.  Ascend 45 ft.  Spur, slopes SW. Descend 40 ft.  Gulch, 15 lks.wide, course S. Ascend 35 ft.  Spur, slopes S. Descend.  Set an iron post, 3 ft.long, 1 in. in diam. 18 ins. in  the ground, deposit marked (x) stone, and raise a mound of stone around post, for 4 sec.cor., with brass cap,  marked  1 S 7  S 18  1920

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· Completion of Subdivision of Township 21 South, Range 28 E.
 Chains.
            Ascend 140 ft.
            spur, slopes SE. Descend 200 ft.
50.70
68.90
                      15 lks.wide, course SW. Thence over gently rolling
            Wash,
                 land.
            Wash, 10 lks. wide, course
71.10
87.70
92.38
            Road brs. NE. to HeffernMine and SW. to McNeal.
Intersect W. bdy.of Ip., 10.08 chs. S.0° 22'W.of the reestablished cor.of secs.12 and 13, T.21 S. R.27 E., at which point establish the closing cor.of secs. 7 and
            18, T.21 S., R. 28 E., as hereinbefore described. Land, heavily and gently rolling.
            Soil, rocky, 4th rate.
            No timber.
            Undergrowth, mesquite, ocotilla and greasewood.
            From cor. of secs. 7,8,17 and 18, N.0°3'W., bet. secs.7 and 8. Over level land, thru. scattering undergrowth. Road brs. NW. to McNeal and SE. to Heffern Mine.
  0.15
            Wash, 30 lks.wide, course SW.

Same wash, course SE. Leave level and enter mountainous land. Ascend 250 ft., over SW.slope.

Spur, slopes NW/ Descend 65 ft. to

Set an iron post, 3 ft.long, 1 in. in diam., 16 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for 4 sec.cor., with brass
  4.00
14.30
29.50
40.00
                  cap, marked
                                                      1920
             Descend of ft.
 46.00
             Wash, 20 1ks.wide, course W.
                                                                 Ascend 215 ft.
             Spur, slopes W. Descend 25 ft.
 69.69
             Wash, 20 lks. wide, course SW. Ascend 135 ft., over S.
 75.75
                  slope, to
             Set an iron post, 3 ft.long, 2 ins. in diam., 20 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for cor. of secs. 5, 6, 7 and
 80.00
                  8, with brass cap, marked
                                                    T215 R28E
                                                      $ 6 S 5
$ 7 S 8
                                                        1920
             Land, level and mountainous.
             Soil, rocky, 4th rate. No timber.
             Undergrowth, ocotilla and mescal.
             N.89°41'E., on a random line, bet. secs.5 and 8. Set temp. 2 sec.cor. Intersect N. and S. line, 14 lks.N.of the cor.of secs.4,
 40.00
90.30
                   5, 8 and 9, hereinbefore described.
             Thence, $.89°47'W., on a true line, bet. secs. 5 and 8. Over mountainous land, thru. scattering undergrowth.
             Descend.
 0.30
8.30
19.90
26.30
33.15
                                                                   Ascend over NE.slope.
              Gulch, 5 lks.wide, course SE.
              Spur, slopes SE. Descend 185 ft.
              Spur, slopes SW. Continue descent.
             Wash, 10 1ks. wide, course S. Spur, slopes SE. Descend.
                                                               Ascend 155 ft.
             Head of gulch, course SE. Ascend 125 ft.to
Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in
  40.15
                   the ground, deposit marked (x) stone, and raise a mound of stone around post, for 2 sec. cor., with
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Completion of Subdivision of Township 21 South, Range 28 East.
                       brass cap, marked
                Ascend.
45.35
53.85
72.80
               Spur, slopes NE. Ascend 215 ft.
Ridge, brs. NW. and SE. Descend 400 ft.
               Gulch, 10 lks. wide, course SW. Ascend 100 ft. to The cor. of secs. 5, 6, 7 and 8. Land, mountainous.
80.30
                Soil, rocky, 4th rate.
                No timber.
              Undergrowth, cactus and scrub oak,
                West, on a true line, bet. secs. 6 and 7.
                Over rolling and mountainous land, thru.scattering under-
                       growth.
                Descend 35 ft.
Gulch, 5 lks.wide, course SE. Ascend 90 ft.
Ridge, brs.N.and S. Thence along N.slope.
Ascend 55 ft.
7.00
14.00
18.15
20.00
                Spur, slopes NW. Descend 35 ft.
Head of gulch, 5 lks.wide, course NE. Ascend 55 ft.
Spur, slopes NW. Descend 65 ft.to
25.60
31.00°
37.50
40.00
                Set an iron post, 3 ft.long, 1 in. in diam., 8 ins. in the ground, deposit marked(x)stone, and raise a mound
                        of stone around post, for a sec. cor., with brass cap,
                        marked.
                Descend 380 ft.

Wash, 20 lks.wide, course SE. Ascend 125 ft.

Spur, slopes S. Descend 210 ft.

Head of gulch, course SW. Ascend 15 ft.

Spur, slopes SW. Descend 150 ft. to

Intersect W. bdy. of Tp., 10.90 chs. S.0°35'W., of the reestablished cor. of secs. 1 and 12, T.21 S., R.27 E., at which point establish the closing cor. of secs. 6 and 7, T.21 S., R.28 E., as hereinbefore described.

Tand, rolling and mountainous.

Soil.rocky.3rd rate.
60.30
70.70
77.90
80.90
91.86
                 Soil, rocky, 3rd rate.
                No timber.
                 Undergrowth, ocotilla and greasewood.
                From cor. of secs. 5, 6, 7 and 8, N.0° 3'W., on a true line, bet. secs. 5 and 6.
                N.0° 3'W., on a true line, bet. secs.5 and o.

Over mountainous land, thru. scattering undergrowth.

Ascend 365 ft., over SE.slope, to

Spur, slopes SW. Ascend 70 ft.

Spur, slopes SW. Descend 85 ft.

Spur, slopes NW. Descend 395 ft.

Wash, 10 lks. wide, sourse SW. Ascend 55 ft. to

Set an iron post, 3 ft.long, 1 in. in diam:, 6 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post for $\frac{1}{2}$ sec. cor. with brass can.
14.90
19.00
23:50
37.60
40.00
                        of stone around post, for 4 sec.cor., with brass cap,
                        marked
                 Ascend 25 ft.
                 Spur; slopes SW: Descend.
Gulch, course SW. Ascend 390 ft.
Spur; slopes SW. Ascend 420 ft. to
 41.50
46.80
```

Completion of Subdivision of Township 21 South Range 28 East. 23

Chains. 82:09

Intersect the 4th Std. Parallel North, 7.95 chs. West of the standard & sec.cor.of sec.31, T.20 S., R.28 E., reestablished by Sidney E. Blout in 1916, which is an iron post; 1 in: in diam., projecting 10 ins. above ground firmly set, properly marked on brass cap; and witnessed by a mound of stone, N.of cor. No bearing trees.

At the point of intersection; Set an iron post 3 ft.long, 2 ins. in diam., 10 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for closing cor.of secs.5 and 6, with brass cap, marked

T208 R28E 831 S 6 S 5 T218 R28E C C 1920

Land, mountainous.
Soil, rocky, 4th rate.

No timber.

Undergrowth, mesquite, ocotilla and greasewood.

Boundaries of that part of T.21 S., R.28 E., surveyed under this Group.

Latitudes, departures, and closing errors.

Line designated.		Dist.	Latit		Depart	ures.
	bearing.		N.	S.	E.	W.
South boundary,	West,	253.39				253.39
West boundary,	N.0°11'E. N.0°16'E. N.0°2' E. N.0°5' W. N.0°31'W. N.0°24'E. N.0°3'E. N.0°22'E. N.0°35'E. N.0°35'E.	6.93 40.21 40.57 40.37 40.35 40.35 40.39 40.50 72.90	6.93 40.57 40.57 40.37 40.35 40.35 40.35 40.59 40.59 72.90		.02 .19 .02 .79 .28 .04 .26 .08 .41	•07 •36
North boundary (4th.Std.Par.S.)	S.89°43'E. S.89°40'E. S.442'	9.91 40.14 1.60 282.32		.05 .23 1.60	9.91 40.14 <b>2</b> 82.32	<u> </u>
Subdivisional bo	S.0°2'R. S.89°57'W.	81.09 400.00 80.16		81.09 400.00 •07	.02 .23	80.16
Convergency,					•25	
	Totals,		483.77 483.04	483.04	335 · 23 333 · 98	333.9 <b>8</b>
	Error in la	titude.	.73		1.25	

Final Field Tests of Instruments, Young & Son's No. 8522.

Examine the adjustments of the transity and find them in good condition; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m.hours, with a meridian

determined by observations on Polaris at elongation, proceed as follows:

- March 21,1920. At camp, in serpl7, T.21 S., R.28 E., at 9h. a.m., l.m.t., lat.31°35'N., long.109°312'W. using the meridian determined as hereinbefore described, set off 31°35'N. on the lat.arc; 0°19½'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 resulting decl. is 0°22'N., which is the computed decl. of the sun,
- At 3h.0m., p.m., l.m.t., with the lat.arc unchanged, set off 0°25'N. on the decl.arc; and determine a meridian with the solar, which agrees with the true meridian.
- As all of the solar observations during the usual hours of the solar work come within 1230 of the true menidian conclude that the adjustments of the instrument are satisfactory.

#### Buff Solar Transit No. 9939.

- March 28,1920: At camp in sec.17, T.21 S., R.28 E., G.and S.R. B. and M., lat.31°36'N., long.109°312'W., using the meridian determined as hereinbefore described, at 9h.0m. a.m., l.m.t., set off 31°36'N. on the lat.are; 3°4'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 resulting decl.ais 3°7' N., which is the computed decl.of the sun.
- At 3h.0m.,p.m.,l.m.t., with the lattare unchanged, set off 3°10'N. on the decl.arc, and determine a meridian with the solar, which agrees 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, conclude that the adjustments of the instrument are satisfactory.

### GENERAL DESCRIPTION.

The part of this township surveyed under this group lies at the southern end of the Swisshelm Mountains, and is very rough and broken, except in the southwest corner. Leslie Canyon, flowing west, divides the township into halves. The drainage is very irregular. The north eentral parts drain south into Leslie Canyon. The northern end drains to the SE. and SW. In the south, the drainage is to the southwest.

The soil in the southern end is sandy and gravelly and of 3rd rate. Elsewhere, it is very thin and rocky, and barely supports a little grass, brush and stunted trees. There are a few scattering stunted oak and cedar trees.

There are a few scattering stunted oak and cedar trees.
They are of no commercial value.
There is one copper mine in the SW.1 of sec.17. It is not being operated at present, and no ore has ever been shipped. There are humerous prospect holes throughout the mountainous part of the township, with indications of copper ore, but it appears doubtful if any of the ore is of much value.

of copper ore, but it appears doubtful if any of the ore is of much value.

Thereo is no water in the township, although there are springs in Leslie Canyon in sec.21. A dam has been put across the canyon in that section, and water carried down the canyon in a pipe line to a reservoir in T.21 S. R.27 E.

#### GENERAL DESCRIPTION (continued)

There is one settler, located in sec.4.

The township affords fair grazing. The only other industrial possibility is mining. There are indications of copper throughout the township, but so far, but one shaft has been put down, and no ore shipped from it.

arak.

BOOK 3485

4-680

# FIELD ASSISTANTS.

to Karl L. Siebecker, U. S. Transitman							
CAPACITY.							
of book "A" of this group.							
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6—2764							

28 BOOK 3485

## CERTIFICATE OF UNITED STATES TRANSITUAN.

I, Karl L. Signs of special instructions						nor that, in pursuance
				•		
_						, faithfully, and trul
n my own proper per				id instructions	s, the Manual	of Surveying Instruc
ions, and the laws of	the United	States, surv	l and eyed all those	parts or portion	ons ofthe_	Subdivision-line
						·
						ila and Salt Riv
						nich are represented
and by diche foregoing field no resurvey and	iagram on tes as havin	page 1 he	<b>reof</b> ited by me, ar	nd under my	lirection; and	that all the corners
said survey have been	n established	and perpet	uated in strict	accordance wi	th the Manua	l of Surveying Instru
tions, and the special	l written ins	tructions of	the U.S. Sur	veyor General	for Group	102, Arizona,
and in the specific mresurvey and such survey.  Place- Augusta	usta, //	Vact.	field notes, and	Jasa U. s. 1	egoing are the	e original field notes
		<del>-0</del>	FFICE OF THE			r General, , 191
The foregoing fi	old notes of	the survey	)f			<u></u>
					,	
						·
executed by						
						, 191 , having b
critically examined,	and the nece	esary correc	tions and expl	anations mad	e, the said fiel	d notes, and the surv
they describe, are he						
•						-U. S. Surveyor Gene
		•	r (1 ) (2 1 1	,		v
-I certify that the	he foregoing					rvoys in
		, <del>-has beer</del>	correctly cop	ied from the c	original notes	on file in this office.
•					·	
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BOOK, 8482

4--680

#### FIELD ASSISTANTS.

to Guy R. Veal, U. S. Transitman,							
NAMES.	CAPACITY.						
See page 5	of book "A" of this group						
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6-276

6-2764

## CERTIFICATE OF UNITED STATES TRANSITMAN.

bearing date of the Sth. day of October. 1939, 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 wireyed all those parts or portions of the West houndary, and surveyed all those parts or portions of the Subdivision lines of Township 21 South, Range 28 East,  of the Gila and Salt River  Rase and Meridian, in the State of Arizona which are represented in the foregoing field nutes/my having been executed by me, and under my direction; and that all the corners of resurvey and and the special written instructions of the U. S. Surveyor General for Group 102, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of Manual of Surveying Instructions of the U. S. Surveyor General for Group 102, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of Manual of Surveying Instructions of the U. S. Surveyor General for Group 102, Arizona and in the field notes of Manual of Surveying Instructions of the Manual of Surveying Instructions of the U. S. Surveyor General field notes of Manual of Surveying Instructions of the Sunday Review of General and Carbona for the Manual of Surveying Instructions of the Sunday	I, Guy R. Veal. U. S. Transitman,, hereby certify upon honor that, in purs	uance
bearing date of the .6th day of .October		
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, gurveyed all those parts or portions of the Subdivision lines of  Township 21 South, Range 28 East,  of the Cila and Salt River.  Base and Meridian, in the State of Arizona , which are represented in the foregoing field notes; in string been executed by me, and under my direction; and that all the corners of resurvey and said; any have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the specific manner described in the field notes, and that the foregoing are the original field notes of manual of Surveying Instructions of the U. S. Surveyor General, or Group 102, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of manual of the Survey of the United States Staveton General, and in the specific manner described in the field notes, and that the foregoing field notes of the Survey of the United States Staveton General, and the survey of the West boundary, and of part of the Subdivision lines, and of the survey of part (completion) of the Subdivision lines of Township 21 South, Range 28 East,  of the Gila and Salt River hase and Meridian,  in the State of Arizona,  executed by Guy R. Veal, and Karl L. Siebecker, U. S. Transition,  under less special instructions dated October, 6, 999 for Group 102 Arizons having lean extinction of the mucessary corrections and explanations made, the said field notes, and the measure of the survey of the observed date of the said field notes, and the gurveys they describe, are hereby approved.  **U. S. Surveyor General**  **U. S. Surveyor General		
tions, and the laws of the United States.  Surveyed all those parts or portions of the Subdivision lines of  Township 21 South, Range 22 East,  of the Sila and Salt River.  Bass and Meridian, in the State of Arizona , which are represented in the foregoing field notes having been extended by me, and under my direction; and that all the corners of resurvey and 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 102, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of States of Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of States of Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of States of Arizona, and States Surveyor General, Day, Arizona, SEP 15.1921.  OFFICE OF THE UNITED STATES SURVEYOR GENERAL, Phoenix Arizona, SEP 15.1921.  The foregoing field notes of the survey of part (completion) of the Subdivision lines of Township 21 South, Range 28 East,.  of the Gila and Salt River Base and Meridian, in the State of Arizona,  Executed by Guy R. Veal, and Karl L. Siebecker, U. S. Fransitmen, under the special instructions dated October 6.1919 factorap 102 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes and functureys they describe, are hereby approved.  **Liently that the foregoing has maint of the field notes of the short described curveys in this office.  **Liently that the foregoing has maint of the field notes of the short described curveys in this office.		
Township 21 South, Range 28 East,  of the Gila and Salt River.  Rass and Meridian, in the State of Arizona , which are represented in the foregoing field notes as having been excited by me, and under my direction; and that all the corners of resurvey and 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 102, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of frequency and sufficiently.  Place I Mark U. J.	·	
of the Gila and Salt River.  Base and Meridian, in the State of Arizona , which are represented in the foregoing field notes as the same per executed by me, and under my direction; and that all the corners of resurvey and saidgurey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the specific manner described in the field notes, and that the foregoing are the original field notes of states are survey; and states are survey; and states are survey; and states are survey.  Date Arizona, Sept. 15, 1923/! - August 155, 1923/! - Date Office of the United States Serveror General,  Phoenix Arizona, SEP. 15, 1921  The foregoing field notes of the gurvey of the West boundary, and of part of the Subdivision lines, and of the survey of part (completion) of the Subdivision lines of Township 21 South, Ranga 28 East,  of the Gila and Salt River Base and Meridian,  in the State of Arizona,  Executed by Guy R. Veal, and Karl L. Siebscher, U. S. Transitmen,  under ies special instructions dated Octaber. 6,1919 for Group 102 Arizona. having been critically examined, and the necessary corrections and explanations made, the said field notes, and they never they describe, are hereby approved.  Jeanify that the foregoing transcript of the field-notes of the original notes on file in this office.	·	
of the Gila and Salt River.  Base and Meridian, in the State of Arizona , which are represented in the foregoing field by diagram on page 1 hereof the foregoing field notes are not page 1 hereof and under my direction; and that all the corners of resurvey and said, survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the specific manner described in the field notes, and that the foregoing are the original field notes of resurvey and place of the field notes, and that the foregoing are the original field notes of resurvey and place of the field notes of resurvey and place of the field notes of resurvey and of the field notes of resurvey and resurvey from the United States Surveyor General,  Phoenix Arizona, SEP 15 1921.  The foregoing field notes of the survey of part (completion) of the Subdivision lines, and of the survey of part (completion) of the Subdivision lines of Township 21 South, Range 28 East,  of the Gila and Salt River Base and Maridian,  in the State of Arizona,  executed by Guy R. Veal, and Karl L. Slebecker, U. S. Transitmen,  under the special instructions dated October 6.1919 facGroup 102 Arizona. having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they described are reper factoring transcript of the field notes of the reported curveys in this office.		
of the Gila and Salt River.  Base and Meridian, in the State of Arizona , which are represented in the foregoing field notes having been executed by me, and under my direction; and that all the corners of resurvey and said, survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the specific manner described in the field notes, and that the foregoing are the original field notes of story and subject to the specific manner described in the field notes, and that the foregoing are the original field notes of story and subject to the survey of the United States Surveyor General,  Office of the United States Surveyor General,  Phoenix Arizona, SEP 1.5. 1921  The foregoing field notes of the survey of part (completion) of the Subdivision lines of Township 21 South, Range 28 East,  of the Gila and Salt River Base and Maridian,  in the State of Arizona,  Executed by Guy R. Veal, and Karl L. Siebecker, U. S. Transitmen,  under the special instructions dated Orlaber 6.1919 far Group 102 Arizona having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they described surveys in the boar correctly copied from the original notes on file in this office.	Township 21 South, Range 20 East,	
of the Gila and Salt River.  Base and Meridian, in the State of Arizons , which are represented in the foregoing field notes having been executed by me, and under my direction; and that all the corners of resurvey and said, survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the specific manner described in the field notes, and that the foregoing are the original field notes of surveys and such survey and such survey.  APPROVAL.  OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  Phoenix Arizons, SEP 1.5. 1921  The foregoing field notes of the survey of part (completion) of the Subdivision lines, and of the survey of part (completion) of the Subdivision lines of Township 21 South, Range 28 East,  of the Gila and Salt River Base and Maridian,  in the State of Arizona,  Lydia and Salt River Base and Maridian,  in the State of Arizona,  executed by Guy R. Veal, and Karl L. Siebecker, U. S. Transitmen,  under the special instructions dated Oxfober 6.9919 far Graup 102 Arizona: having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.  Linear Completion in the original notes on file in this office.	·	
Rase and Meridian, in the State of Arlzona , which are represented in the foregoing field notes having been executed by me, and under my direction; and that all the corners of resurvey and said, survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the specific manner described in the field notes, and that the foregoing are the original field notes of resurvey and sold, survey.  Approval.  Office of the United States Surveyor General, Place May 15-1931.  The foregoing field notes of the survey of the West boundary, and of part of the Subdivision lines, and of the survey of part (completion) of the Subdivision lines of Township 21 South, Range 28 East,  of the Gila and Salt River Base and Maridian,  in the State of Arizona,  executed by Guy R. Veal, and Karl L. Siebecker, U. S. Transitmen,  under the special instructions dated Octaber 6,199 fac Group 102 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the autreys they describe, are hereby approved.  In the foregoing transcript of the field interes of the above described surveys in have been correctly copied from the original notes on file in this office.		
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