	BOCK "L"
	4-679 BCOK 3627
	FIELD NOTES
	OF THE SURVEY OF
	Part of the West Boundary and
	Part of the Subdivisions of
•	T.31 N., R.9 W.
-	
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•-	
•	
·	
	Of the Gila and Salt River Base and Meridian,
Iı	n the State of Arizona
	EXECUTED BY
	Dupree R. Averill and William R. Hiester
	William E. Hiester
In	the capacity of II S. Surreycore, we don Some it I
	the capacity of U.S. Surveyors, under Special Instructions dated <u>March 17</u> , 1917
	sued by the United States Surveyor General to govern surveys included in Group
	5. 72, Arizona, which were approved by the Commissioner of the General Land
	fice, March 29 , 191 7, and Assignment Instructions dated August 11, 1921

Survey commenced _____ December 5_____, 19.21

Survey completed January 25, 19.22

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Book"L"

Group 72 - Arizona

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INDEX DIAGRAM.



- Lines surveyed under this group.

____ Accepted surveys.

---- Unsurveyed.

Areas surveyed as per accepted plats on file.

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BOOK 3627



EOOK 3627

· · · · · · · · · · · · · · · · · · ·	
	Survey commenced December 5, 1921, and executed with Buff and Buff light mountain transit No. 9977; the instru- ment is equipped with full vertical circle and Smith solar attachment; unless otherwise specified, all azi- muth determinations are accomplished with the solar attachment.
	Field test of Instrument No. 9977.
	November 19, 1921. I examine the adjustments of the in- strument and correct all errors; then, to test the solar apparatus, by comparing its indications, result- ing from observations made during a.m. and p.m. hours, with a meridian established by Polaris observations, I proceed as follows:
	 November 20, 1921. At our camp near the ¹/₄ sec. cor. of secs. 15 and 22, T. 32 N., R. 9 W., G. and S. R. B. and M., Arizona, lat. 36°10'N., long. 113°15'W., at 3 hrs. 35 m., a.m., l.m.t., I observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and marking 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, $1^{\circ}22\frac{1}{2}$ '.
	At 8 hrs. 0 m., a.m., h.m.t., I lay off the azimuth of Polaris, 1°22 ¹ / ₂ ' to the east, and mark the meridian thus determined by a tack driven in a peg set firmly in the ground, 5 chs. N.
	At 9 hrs. 0 m., a.m., l.m.t., I set off 36°10'N. on the lat. arc; 19°39'S. on the decl. arc; and determine a meridian with the solar, which I find to agree with the true meridian.
	At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian with the solar. The resulting reading of the decl. arc is 19°41'S., which agrees with the computed decl. of the sun.
	At 3 hrs. 0 m., p.m., l.m.t., with the lat. arc unchanged, I set off 19°42'S. on the decl. arc and determina a meridian with the solar, which I 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, I conclude that the adjustments of the instrument are satisfactory.
	Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical anglesdetermined and the slope measurements properly reduced to true horizontal distances.
1	

Survey of Part of The West Boundary of T.31 N.,R.9 W. BOOK 3627

	The West Boundary of T.31 N., R.9 W.
Chai	From the cor. of Ts. 31 and 32 N., Rs. 9 and 10 W., which
	is an iron post, described in Book "K",
	South, on a true line bet. secs. 1 and 6.
	Over broken land, through scattering timber and undergrowth.
	ABC. 205 ft. over NE. slope.
29.	50 Desc. 70 ft. to
32.	Draw, course E. Asc. 60 ft.
40.	00 Mark a cross (+) on surface rock and over same set an
	iron post, 3 ft. long, 1 in. in diam., supported in
	• a mound of stone 5 ft. base, 3 ft. high for $\frac{1}{4}$ sec. cor.
	marked on brass cap
	$\frac{1}{4}$
	S1 S6
	1922
· · ·	Asc. 100 ft. to
50.	00 Top of ascent. Desc. slightly over broken land.
77.	70 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
	the ground to bed rock, supported in a mound of stone
	4 ft. base, 2 ft. high, with stone marked cross (X)
	deposited at base of post, for witness cor. to the
	cor. of secs. 1, 6, 7 and 12, marked on brass cap
	T 31 N
	R 10 W R 9 W
	sı s6
	s-12 s 7
	W C 1922
77.	35 The north rim of canyon of the Colorado River, bears
	SE. and W. Impracticable to continue line.
80	OO The true point for cor. of secs. 1, 6, 7 and 12, falls
	on precipitous cliffs, where the cor. can not be
	established.
	Land; broken bench.
	Soil; rocky, 4th. rate.
	Timber; cedar.
1	

Survey of Part of The West Boundary of T. 31 N., R. 9 W.

Undergrowth; black brush, scrub oak, dogwood, Spanish bayonet, cacti and mesquite.

As the line bet. secs. 7 and 12 passes over very precipitous cliffs and rim rock, I discontinue the survey of this range line. At about 60.00 chs. south of the witness cor. to secs. 1, 6, 7 and 12, the Colorado River flows West.

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Survey of Part of the Subdivision of T. 31 N., R. 9 W.

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy.of Tp., which is an iron post, described in Book "K". S. 0° 1' E., bet. secs. 1 and 2. Over mountainous land, through scattering undergrowth. Chains Impossible to chain this line, which descends over cliffs . and slide rock. Set a flag ahead on line, from which I measure a base S. 85° E. cor of 546 5.00 chs., -- impracticable to secure longer base -from the E. end of which, flag at the cor. of secs. 1, 2, 35 and 36, brs. N. 11° 34' W. The three ang-'les of the triangle are therefore 11° 33',73° 26' sec.l and 95° 1', the sum of [**** which is 180°. The distance triangulated is given by the sine proportion: - Se 🔒 🦕 sin. 73° 26. 5.00 = sin. 11°. 33' $\begin{array}{rcl} & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & & \\$ =, 0.698970 - G 23.94 chs.
24.94 chs.
25.94 chs.
26.43 chs.
26.44 chs.
26.44 chs.
26.44 chs.
< on brass cap 2 3 1 1.921 This cor. stands on top of cliff, 75 ft. high, bearing NE. and SW. At 3.00 chs. S. of this cor. is edge of cliffs, bearing E. and NW., 1200 ft. above Colorado River. Survey of south one-half of line between secs. 1 and 2 is impracticable. Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, black brush. From the cor. of secs. 2, 3, 34 and 35, on the N. bdy.of Tp., which is an iron post, described in Book "K", S. 0° 1' E., bet. secs. 2 and 3. Over level land, through scattering undergrowth. 3.50 Wash, 10 lks. wide, course E. 40.00 Set an iron post, 3 ft. long, 1 in. diam., on ledge rock, in a mound of stone, 4 ft. base, 3 ft. high, over cross (X) on rock, for $\frac{1}{4}$ sec. cor., marked on brass cap S 3 S 2 1921 And raise a mound of stone, 4 ft. base, 3 ft. high W. of cor. 41.12 Left rim of canyon, brs. NW. and SE. Impossible to chain

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• Subdivision of T. 31 No. R. 9 W.

		• Subdivision of T. 31 N., R. 9 W.
	Ohains	from this point. Set a flag ahead on line, from which I measure a base N. 73° 11' W. 5***.3 5***.2 5**.2 5**.2 5***.2 5***.2 5***.2 5***.2 5***.2 5***.2 5***.2 5**.2 5***.2 5*.
		<pre> log. 6.80 = 0.832509 log. sin. 98° 19' = 9.995409 log. sin. 8° 31' = 9.170547 log. X = 1.657371 X = 45.43 chs., which added to 41.12 chs., gives 86.55 chs. Thence N. 0° 1' </pre>
Ĩ	80.00	W., 6.55 chs., 86.55 - 6.55 =. Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base, 1½ ft. high, with stone marked cross (X) alongside, for cor. of secs. 2, 3, 10 and 11, marked on brass cap
U.		And raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor. Land, level and mountainous.
		Soil, rocky, 4th rate. No timber. Undergrowth, sagebrush.
•		<pre>A . Solid tide the assessment and the active state of the second state of the sec</pre>
		The line bet. secs. 2 and 11 passes over precipitous slopes which render survey impracticable. At about 53t chs. E. of the cor. of secs. 2, 3, 10 and 11 and about 1500 ft. below, the Colorado River flows SW.

Survey of Part of the Subdivision of T. 31 N., R. 9 W.

		Subdivision of T. 31 N., R. 9 W.
	Chains	From the cor. of secs. 2, 3, 10 and 11.
		5. 0 [°] 1 [°] E. bet. secs. 10 and 11.
	• /	Over rolling mountainous land, through scattering under-
		· growth. · · ·
	5.50	Asc. 135 ft.
	11.97	Rim of canyon, brs. NW. and SE. Thence over level land. Rim of canyon, brs. E. and W. Impossible to chain from
		this point. Set a flag ahead
		on line, and from the 11.97
	. 5	ch. point, measure a base
	ť	5. 67° 59' W. 5.90 chs
		impracticable to secure long-
		which \mathcal{A}^{\dagger} contains \mathcal{A}^{\bullet} \mathcal{O}^{\bullet} \mathcal{A}^{\dagger} \mathcal{O}^{\bullet}
		The three angles of the tri-
		angle are therefore 68°, 9°301
		and 102° 30', the sum of which
	n e za seren en el seren el s	is 180°* The distance triangulated is given by the sine proportion:
	2	01110 Propor 01011.
		X sin. 102° 30'
		5.90 sin. 9 50
	 A state of the sta	$\frac{X}{5.90} = \frac{\sin \cdot 102^{\circ} \ 30^{\circ}}{\sin \cdot 9^{\circ} \ 50^{\circ}}$ $\log \cdot 5.90 = 0.770852$ $\log \cdot \sin \cdot 102^{\circ} \ 30^{\circ} = 9.989562$
	×.	$10g \cdot g1n \cdot 102 30 \cdot = 9 \cdot 969 502$
	•	$\log_{10} \sin_{10} 9^{\circ} 30^{\circ} = 9^{\circ} 217609^{\circ}$
	ર્શ્વેડ ક	$\begin{array}{rcl} \log & \sin & \log & 20^{\circ} & 20^{\circ} & = & \frac{9 \cdot 9769502}{0 \cdot 760434} \\ \log & \sin & 9^{\circ} & 30^{\circ} & = & \frac{9 \cdot 217609}{1 \cdot 542825} \\ \log & \chi & & = & 1 \cdot 542825 \\ \chi & & = & 34 \cdot 90 \text{ chs., which} \end{array}$
		X = 34.90 chs., which
		added to 11.97 chs., gives 46.87 chs. Thence N. 0° 1
	40.00	W., 4.06 chs. The true point for $\frac{1}{2}$ sec. cor. inaccessible.
	42.81	Impossible to get any nearer to the true point for $\frac{1}{2}$ sec.
		cor. Set an iron post, 3 ft. long, 1 in. diam., on
^		ledge rock, in a mound of stone, 4 ft. base, 3 ft.
		high, with stone marked (X) alongside, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap
		$\frac{1}{2}$
		· · · · · · · · · · · · · · · · · · ·
		S 10) S 11 • • • • • • • • • • • • • • • • • •
		The survey of the south one-half of the line between
		secs. 10 & 11 is impracticable.
		At about 43.00 chs. S. of this W. C. and 1660 ft. below,
		the Colorado River flows W.
	i i i gradina i	Land, rolling mountainous. Soil, rocky, 4th rate.
		Timber, none.
		Undergrowth, black brush.
		From the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of
	-	Tp., which is an iron post, described in Book "K".
		S. 0 2' E., bet. secs. 3 and 4. Over rolling land, through scattering undergrowth.
		Asc. 30 ft.
		Desc. 85 ft.
	14.10	Wash, 20 1ks. wide, course SE.
	17.30	Wash, 10 lks. wide, 10 ft. deep, course SE.
	40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	€ ⁶ 1 1 1 1	On a contract to the state of t
	- 	
,		1921
	•	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft.
	4 ²	dist.

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Survey of Part of the Subdivision of T. 31 N., R. 9 W.

Chains Thence along level E. slope. 69.80 Rim rock, 30 ft. high, brs. NW. and SE. 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked Chains on brass cap T 31 N. R 9 W **5 3** 3 1921 And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Land, level and rolling. Soil, 3rd and 4th rates. Timber, none. Undergrowth, sagebrush and black brush. Bast on a random line, bet. secs. 3 and 10. 40.00 Set temp. 2 sec. cor. 80.14 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 2, 3, 10 and 11. Thence Thence
N. 89° 56' W., on a true line, bet. secs. 3 and 10.
Over rolling land, through scattering undergrowth. Asc.
2.65 Rim of canyon, brs. NW. and SE.
40.07 Set an iron post, 3 ft. long. 1 in. diam., on rock ledge, in a mound of stone, 5 ft. base, 3 ft. high, with stone marked cross (X) alongside, for 2 sec. cor., marked on brass can marked, on brass cap 1 <u>5</u> 3 1 <u>5</u> 10 1921 Desc. 50 ft. 57.65 Wash, 10 lks. wide, course SE. Asc. 50 ft. 70.15 Desc. 20 ft. 80.14 The cor. of secs. 3, 4, 9 and 10. Land, rolling. Soil, rocky, 4th rate. No timber. Undergrowth, sagebrush, and black brush. From the cor. of secs. 3, 4, 9 and 10. S. 0° 2' E., bet. secs. 9 and 10. Over-broken land, through scattering undergrowth. Asc. 55 ft. 20.10 Rim of canyon, brs. SE. and NW. Desc. 610 ft. to 38.90 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 2 ft. high, with stone marked cross (X) alongside, for wit-ness cor. to 4 sec. cor., marked on brass cap S 9 3 10 WC 1921 And raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor. Impossible to chain beyond this point. I determine the distance to the Colorado River as follows. From the 19.97 ch. point, I note the bearing of S. 11° 55' E. to an object on the opposite side of the river. Measure a base S. 73° 52' W. 5.45 chs., from the W. end of which,

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Survey of Part of the Subdivision of T. 31 N., R. 9 W.

		Subdivision of T. 31 N., R. 9 W.
	Cha ins	the same object bears S. 16°
		52' E. The three angles of
		the triangle are therefore 85°
		sum of which is 180%. The dist-
		the sine proportion:
		T ain 90° 161
		$\frac{X}{5.45} = \frac{\sin \cdot 89^{\circ} 16^{\circ}}{\sin \cdot 4^{\circ} \cdot 57^{\circ}}$
	9	$\log \cdot 5.45 = 0.736397$
		$ \log \cdot 5 \cdot 45 = 0 \cdot 736397 \\ \log \cdot \sin \cdot 89^{\circ} 16^{\circ} = \frac{9 \cdot 999964}{0 \cdot 736361} \sqrt{1 \cdot 4^{\circ} \cdot 5^{7}} \\ 1 \cdot 4^{\circ$
		$\log \cdot \sin \cdot 4^{\circ} 57' = 8.935942$
	2 ⁴⁴	$\begin{array}{rcl} \log & \sin & \cos & \sin & \sin & \cos & \sin & \sin & \sin & \sin & \sin$
	-	chs., gives 83.13 chs. The Colorado River is 2250 ft.
	•	below the rim of canyon.
		Land, broken.
	• •	Soil, rocky, 4th rate.
	, 7	No timber. Undergrowth, sagebrush and black brush.
	. 4	
		From the cor. of secs. 4, 5, 32 and 33, on the N. bdy.
		of Tp., which is an iron post, described in Book "K",
		S: 0° 37 E., bet. secs. 4 and 5
	4.00	Over rolling land, through scattering undergrowth. Wash, 20 lks. wide, course NW. Asc. 80 ft.
		Spur, slopes W. Desc. 45 ft.
	16.00	Thence over level land.
	40.00	Set an iron post, 3 ft. long, 1 in. diam., on ledge rock in a mound of stone, 4 ft. base, 3 ft. high, with
		stone marked cross (X) alongside, for $\frac{1}{4}$ sec. cor.,
		marked on brass cap
	1	1 = 1 +
		• $\mathbf{S} 5 5 4$. $\mathbf{S} 4$
		1921
		At 8.19 chs. S. of this quarter-section corner is rim of
		canyon brs. SE. & SW. Canyon 1400 ft. deep, course
		SW.
		Survey of $S \neq of$ line bet. secs. 4 and 5 is impracticable.
İ		Land, rolling and mountainous. Soil, rocky, 4th rate.
		No timber.
		Undergrowth, sagebrush.
		· · · · ·
	*	Then the core of room 7 4 0 and 10
		From the cor. of secs. 3, 4, 9 and 10 West, on a true line, bet. secs. 4 and 9.
		Over broken land, through scattering undergrowth.
		Desc. 40 ft.
	31.80	Wash, 20 lks. wide, course NW. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
	#0.00	ground, in a mound of stone, 4 ft. base, 3 ft. high,
		with stone marked cross (X) alongside, for 4 sec.
		cor., marked on brass cap
		4 <u>8 4</u>
		1921
		At 23.27 chs. W. of this 1 sec. cor. is the rim of the
		canyon, brs. NE. & SW.
		Survey of W. 2 of line bet. secs. 4 & 9 is impracticable.

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Survey of Part of the Suldivision of T. 31 N., R. 9 W.

Chains Land, broken. Soil, rocky, 4th rate. No timber. Undergrowth, sagebrush, and black brush. From the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of Tp., which is an iron post, described in Book "K". S. 0 3' E., bet. secs. 5 and 6. Over mountainous land, through scattering undergrowth. Desc. 200 ft. 15.00 Wash, 20 lks. wide, course SE. Impossible to continue chaining from this point; triangulate as follows: Set a flag ahead on line, from which I measure a base S. 58° 55' E. 7.00 chs. impracticable to se-cure longer base - from the E. end of which, flag at the cor. of secs. 5, 6, 31 and 32, brs. N. 9° 51' W. The three angles of the " triangle are therefore 9° 48', 49° 4', and 121° 8', the sum of which is 180° The distance tri-31.07 FL^{AG} angulated is given by the sine proportion: sec.6 المكر أ 1 · · · <u>sin. 49° 4</u> sin. 9° 48 7.00 , = 0.845098 log - 7.00 log. sin. 49° 41 . $= \frac{9.878219}{0.723317}$.log.sin.9°48'. log.X =, <u>9,230984</u> 1,492333 31.07 chs. 31.07 Spur, slopes SE. Desc. 55 ft. 40.00 Set an iron post, 3 ft. long, 1 in. diam., on ledge rock, in a mound of stone, 4 ft. base, 3 ft. high, with stone marked cross (X) alongside, for 4 sec. cor., marked on brass cap **S** 6 **S** 5 1921 From which A cedar, 10 ins. diam., brs. 3. 484°. W., 48 lks. dist., marked 4 S 6 B T. No other trees within limits. At 7.42 chs. S. of this 1 sec. cor. is the rim of a can-yon, and at about 20.00 chs. S. is the bottom of the same 1500 ft. below rim, course SE. Impracticable to survey the S. 2 of line bet. secs. 5 and 6. Land, mountainous. Soil, rocky, 4th rate. Timber, scattering cedar. Undergrowth, sagebrush. Nonpervision of the line bet. secs. 6 and 7 is surveyable. i. 5. Histor, scattering colar. The continued satisfactory adjustment of the solar transit during the survey of this township is indicated from field tests as described in Book "J".

Survey of Part of the Subdivision of T. 31 N., R. 9 W.

	Boundaries of that Portion of T. 31 N., R. 9 W. Surveyed under Group 72. Latitudes, departures and closing errors.						
Latitudes. Departu					tures.		
Line de	signated.	True bearing.	Dist.	N.	5.	E.	W.
	Ū		chs.	chs.	chs.	chs.	chs.
Bound	sional lary • 3•	N. 89° 56' W N. 0° 2' W. East S. 0° 1' E.	80.14 80.00 80.00 80.00	•09 80•00	80.00	80.00 •02	80•14 •05
Converg	rency					•01	
Totals				80.09	80.00	80.03	80.19
	n latitud n departu:			80.00		(*	80.03 0.16

GENERAL DESCRIPTION.

That Portion of T. 31 N., R. 9 W., surveyed at this time is to all intents and purposes without value - no minerals of any kind are embraced therein - grasing possibilities are nil, because of the inaccessible nature of the lands - there is no water, either running or in tanks, save the Colorado River, which cannot be reached. Timber consists of stunted cedars; all vegetation is sparse. The soil is a shallow wind-blown sand, a great portion of the land being surface rock.

BOOK_ 3627

FIELD ASSISTANTS. to

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in Vinger i

Dupres R.Averill and William E.Hiester, U.S.Surveyors.

NAMES.	CAPACITY.
Walter Thomas	Fi sst Chainman.
Henry Hiester	Fi rst Chainman.
Hale Pierce	Second Chainman.
George M. Tucker	Flagman.
Thomas I. Ison	Cornerman.
Henry McKelvey	Axman.
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BOOK 3627

14 3621 BOOK CERTIFICATE OF UNITED STATES SURVEYOR. I, Dupree R. Averill, U.S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U.S. Surveyor General, for Group 72, Arizona bearing date of the <u>17 th</u> day of <u>March</u>, 1917, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ The West Boundary of T.31 N., R.9 W. of the Gila and Salt River __ Meridian, in the State of _____Arizona ____, which are represented in Base and and by diagram on page 1 hereof the foregoing field notes 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 Broup 72, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. upper A Curcul my anyona executed by _____ , 19 under his special instructions dated , 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.

			EOOK 362
n hanna a' shin an			002
4	680		
		·.	
FIELD AS Dupree R. Averill <u>and</u>	SISTANTS. 2 William E. 1		Urvevors
NAMES.		CAPACITY.	
See page 13 c	f this book	r.	
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CERTIFICATE OF UNITED STATES SURVEYOR.

CERTIFICATE OF UNITED STATES SURVEYOR.
BOOK I, William E. Hiester, U. S. Surveyor, hereby certify upon honor that, in pursuance
of special instructions received from the U.S. Surveyor General, for <u>Group 72</u> , Arizona
bearing date of the <u>17 th</u> day of <u>March</u> , 19 17, I have well, faithfully, and truly
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-
tions, and the laws of the United States, surveyed all those parts or portions of
The Subdivision of T.31 N. R.9 W.
of the Gila and Salt Riv
Base and Meridian, in the State of Arizona, which are represented in
and by diagram on page 1 hereof the foregoing field notes a 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 Instruc-
tions, and the special written instructions of the U.S. Surveyor General, for <u>Group 72</u> , Arizona
and in the specific manner described in the field notes, and that the foregoing are the original field notes of
such survey.
Wolf Hole arigona Silliam & Hiester March 14, 1924 U.S. Surveyor.
March 14, 1224 U.S. Surveyor.
APPROVAL.
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, May 15, 1924
The foregoing field notes of the survey of
Part of the West Boundary and
Part of the Subdivision of T.31 N., R.9 W. of the
Gila and Salt River Base and Meridian in the
state of Arizona
executed by Dupree R. Averill and William E. Hiester, U.S.Surveyors
under his special instructions dated March 17, 1917 for Group 72, Arizona
the set have been been been been been been been be
they describe, are nereby 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.