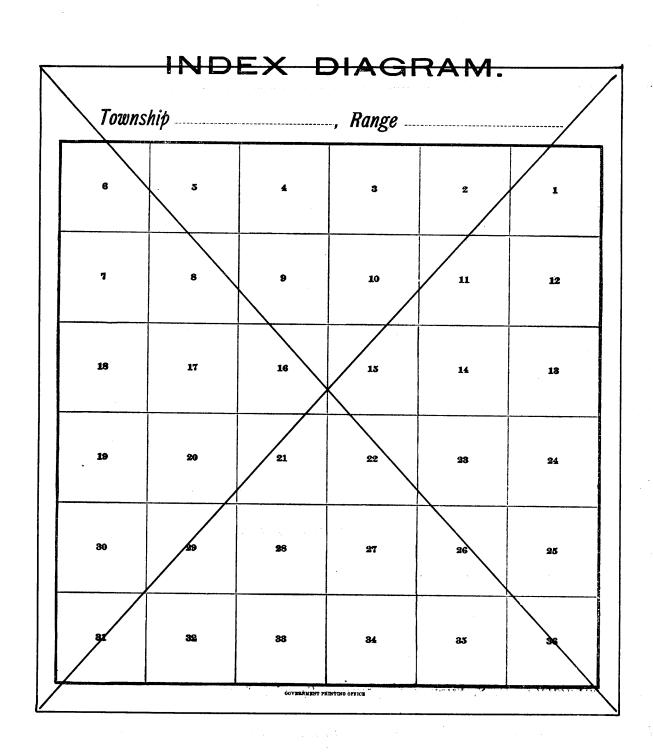
BCOK 3881

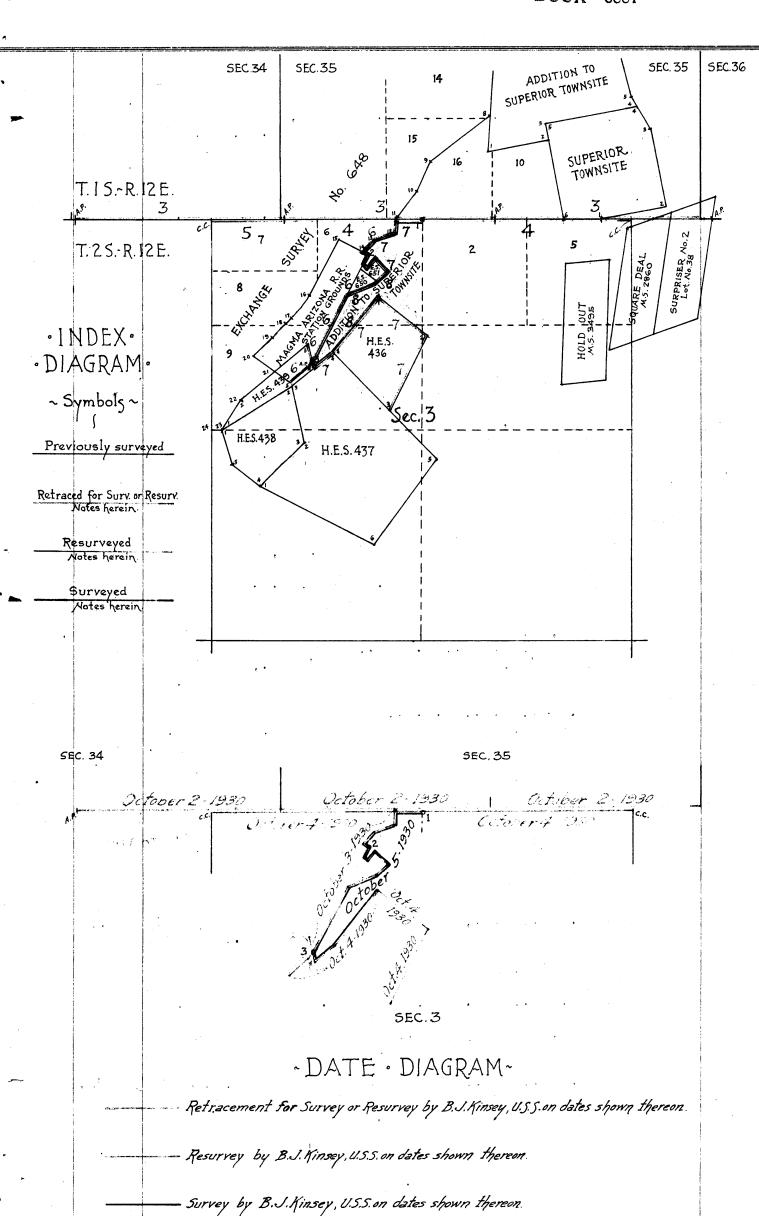
3881

FIELD NOTES

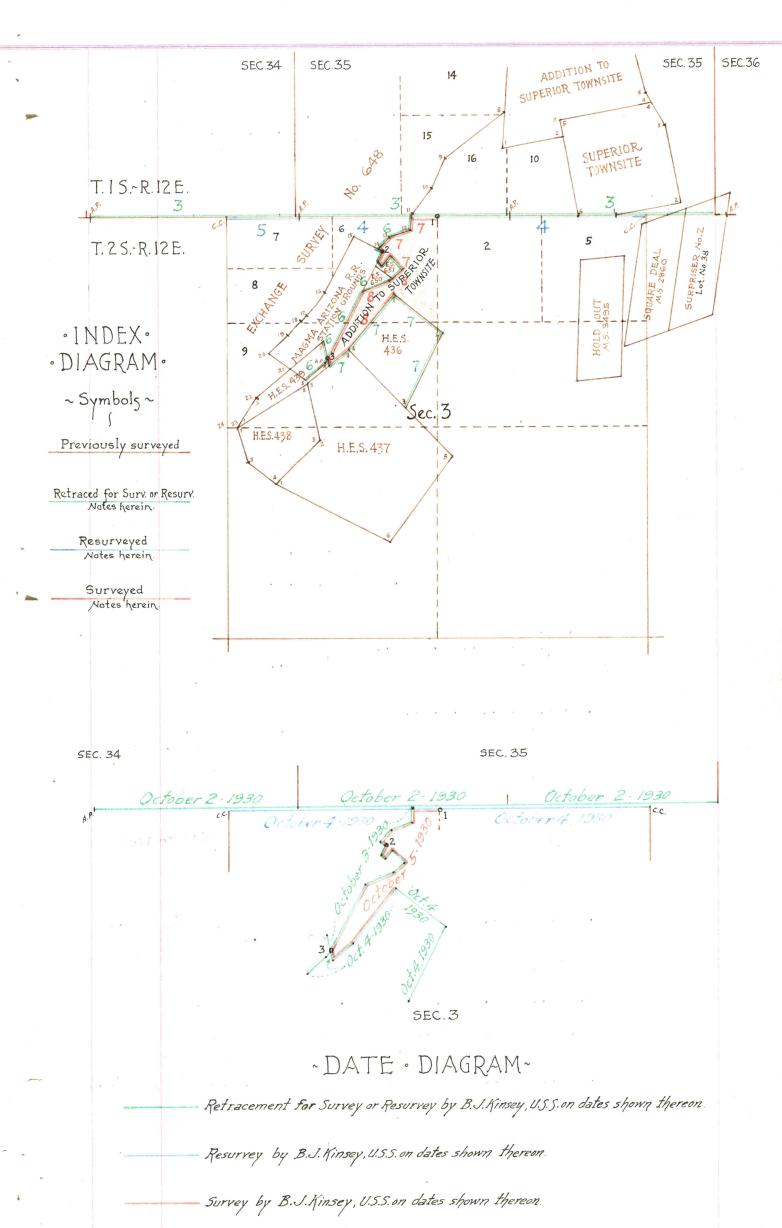
OF THE RESURVEY OF . .

Part of the North Boundary of
Township 2 South, Range 12 East
AND OF THE SURVEY OF
Part of the Boundary of
Addition to Superior Townsite in
Section 3 of
Township 2 South, Range 12 East
•
Of the Gila and Salt River Base and Meridian,
In the State ofArizona
EXECUTED BY
Benjamin J. Kinsey, U.S.Surveyor
In the capacity of U. S. Surveyor, under Special Instructions dated June 17
19.30, issued by the District Cadastral Engineer to govern surveys included in Group
No. 163 Arizona, which were approved by the Commissioner of the General Land
Office, July 25, 19 30, and Assignment Instructions dated Sept. 17, 1930
Resurvey and Survey commenced October 2 , 1930
Resurvey and Survey completed October 5 , 1930 6-161





1A



- The resurvey and survey herein described was executed on dates shown on diagram on page 1 hereof, by Benjamin J.Kinsey, U.S.Surveyor, using a Buff "Rocky Mountain Favorite" solar transit No.18,000, with U-shaped standards, 4½ inch horizontal circle, 4 inch vertical circle and improved Smith solar attachment.
- The instrument was examined, tested on the true meridian at the Federal Building in Phoenix, Arizona, found correct and approved by the District Cadastral Engineer for Arizona and California, conditional upon satisfactory field tests.
- All azimuth determinations are accomplished with the solar attachment, except the special observations upon Polaris for meridian upon which to test the solar apparatus as stated in the field notes.
- All measurements are made with a Lufkin steel tape, 5-chains in length, compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

Preliminary Field Test
of
Buff Transit No. 18,000
by
Senjamin J. Kinsey, U.S. Surveyor.

- October, 1,1930: at station at the closing corner of secs. 3 and 4, T.2 S., R.12 E., in approximate longitude 111°06'W., and latitude 33°17'30"N., examine the adjustments of the transit and find no errors.
- At 7h.Olm., p.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each, with the telescope in direct and reversed positions, and marking the line thus determined by a tack set in top of a peg, driven firmly in the ground about 5 chains North.
- Azimuth of Polaris at eastern elongation: 1°16'44".
- October 2: lay off the azimuth of Polaris 1º16½ to the west and mark the true meridian thus determined by a tack set in top of a peg, driven firmly in the ground about 5 chains North.
- At 8h.0m.a.m.app.t., with latitude arc set at 33°17½ N. and declination arc set at 3°26'S. ,, determine a meridian with the solar which agrees with the true meridian.
- At 12h.00m., app.noon, with lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is 3°31½'S., which agrees with the computed declination of the sun.
- At 3h.0m.nm.app.t., with lat. arc unchanged, set off 3.33'S., and determine a meridian with the solar which agrees with the true meridian.
- As all of the observations taken during the usual hours of solar work, agree within 1' of the true meridian, conclude that the instrument is in a satisfactory state of adjustment.

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Chains
             Part of the S. bdy. of T.1 S., R.12 E., and the E. and W. bdys. and subdivision lines of T.2 S., R.12 E.,
                were surveyed by Jacobs and Curry, U.S.Deputy Sur-
             veyors, in 1911, in which survey the corners on the S. bdy. of T.1 S., R.12 E. and closing cors. for secs. in T.2 S., R.12 E., were established.
In 1914, S.E. Blout, U.S. Surveyor, retraced the Tp. bdy.
                from the closing corner of secs. 2 and 3, T.2 S., R.12 E.
             to the $\frac{1}{4}$ sec. cor. of sec. 35, T.1 S., R.12 E., in connection with the survey of the Superior Townsite, establishing Cors. Nos. 1 and 6 thereon.

In 1924, the east five miles of the S. bdy. of T.1 S., R.12 E., were resurveyed and the west mile surveyed by Panismin I winger H. S. and Therefore H. S.
                Benjamin J. Kinsey, U.S.S. and Theodore VanderMeer, U.S.T.
             In 1926, the west half of the S. bdy. of sec. 35, T.1 S., R.12 E., was retraced by the Forest Service Surveyors
               in connection with Exchange Survey No. 648, and Cor.
               No.11 established thereon.
             No other retracements or resurveys are of record.
            The following notes describe the re-survey of the North
                Bdy. of sec. 3, T.2 S., R.12 E., establishing the N.
                $ sec. cor. thereon.
                                      Retracement for Re-survey.
            The reestablished cor. of secs. 35 and 36, T.1 S., R.12 H.,
is an iron post, 1 in. in diam., firmly set and pro-
                jecting 12 ins. above ground and mound of stone, with
              brass cap properly marked. No bearing trees.
           Thence,
           N. 39° 57 W., on random line, on S. bdy. of sec. 35.
Intersect the closing corner of secs. 2 and 3, T.2 S.,
R. 12 E.; continue line and measurement.
 15.45
           Intersect cor. No.1 of Superior Townsite, which is witnessed
 19.17
            by Witness corner. Continue line and measurement.
           Intersect Cor. No. 6 of Superior Townsite; continue line ind measurement.
 26.55
 39.67
            Intersect A.P.No. 2 (original 2 sec. cor. sec. 35.)
           Continue line and measurement.
40.00
           Intersect the reestablished 4 sec. cor. of sec. 35, T.1 S.,
               R.12 E.
                            continue line and measurement.
           Fall 32 lks. South of cor. (NV) of Addition to Superior
 55.45
               Townsite, established by private surveyor.
           Continue line and measurement.
Fall 3 lks. S. of Cor. No.11, Exchange Survey No.648.
Continue line and measurement.
 58.55s
 79.61
           Intersect A.P.No.1 (original cor. secs. 54 and 35, T.1 S.,
                            continue line and measurement.
               R.12 E.)
y 80.11
           Intersect the reestablished cor. secs. 34 and 35, T.1 S.
           R.12 E.; continue line and measurement.
Intersect the closing cor. of secs. 5 and 4, T.2 S., R.12 E.,
 93.51
               continue line and measurement.
           Intersect A.P. No.1 of sec. 34 (original 2 sec. cor. sec.
119.35
               34.1
            True course and dist. for this part of the S.bdy. of
               T.1'S., R.12 E., are therefore N.89°57 W., 119.35 chs.
```

Re-survey.

The closing corner of secs. 2 and 3, T.2 S., R.12 E., is a stone 10 x 10 x 2 ins. above ground, firmly set, mkd. CC and six grooves on S. face and two and four grooves on E. and W. faces. Reconstruct this cor. monument as follows:

Re-survey of Part of the N. Bdy. of T. 2 S., R. 12 E.

		Re-Bulley of laif of the No Buy. Of 1. 2 B., R. 12 B.
-		
1	Chains	
-		On the S. side of the original cor. stone, and leaning
١	7 1	
١		over same, set an iron post 3 ft. long, 1 in. in diam,
1		26 ins. in the ground, and surrounded by a cement mix,
1	. 1	
١	27 3 20 3	with brass cap marked .
١		
١		T1S R12E
-		
١		12. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
-1		
		S 3 S 2
-		
-	•	C C C T2S R12E
1		m2g 'p12k
		1930
	, ,	no bearing trees available.
	4 11.	
		From corner:
		The North edge of the Magma Smelter brick stack, brs.
	•	ind horen adge of the magna Smerter brick stack, brs.
٢	*	N.79°42 M.
	+ 1 · 1	
		N. edge of cornice of Belmont Hotel, brs. N.49°45'W.
	* ·-	SE edge of cornice of the Magma Hotel, brs. N.7007 W.,
		and the first of the second of
		Living the second of the control of
		Thence.
		N.89°57 W., on true line, on N. bdy. of sec. 3 (topog-
		m. A Ni m. ou or or or ar true out M. or sac.) (cobos-
	1	raphy as per record of 1924- re-survey.)
	E 77/	Intergent the now No T of Companion Marmatte which is an
	5•74	Intersect the cor. No.I of Superior Townsite, which is an iron post 1 in. in diam., firmly set in a granite boul-
	•	iron post # in. in diam firmly set in a granite boull-
	l	der 4 x 3 x 2 ft., witnessed by an iron post, 1 in.
		der 4 x) x 2 100, wronessed by an iron post, 1 in.
		in diam., 81 lks. East, with brass cap properly marked.
		We also, Continue line and measurement.
	-, -,	
	× 15•12	Intersect Cor. No.6 of Superior Townsite, which is an iron
		post 1 in. in diam., firmly set and projecting 10 ins.
		above ground, with brass cap properly marked.
	-	Continue line and measurement.
	06 24.	
	20.24	intersect A.P.No.2(original 4 sec. cor. sec. 35) which is
		an iron post 1 in. in diam., firmly set and projecting
		72 day been ground and my wal of store' with house
		12 ins. above ground and mound of stone, with brass cap
	•	properly marked. Continue line and measurement.
	06.50	trademonal de de la compansa del compansa del compansa de la compansa del compansa de la compansa de la compansa del compansa de la compansa de la compansa de la compansa de la compansa del compans
l-	26.57	intersect the reestablished \(\frac{1}{2} \) sec. cor. of secs. 35. which
		is an iron post 1 in. in diam., firmly set, projecting
	,	12 ins. above ground, with brass cap properly marked.
	,	Continue line and measurement.
	30 00	
ı	39.94	(Midpoint on N. bdy. of sec. 3, T.2 S., R.12 E.) set an
		iron post oft. long, 1 in. in diam., 26 ins. in the
	1	ground, set in cement mix, with beas con. sees only
		and Cor. No. 1 of Addition to Superior Townsite, with
,		hangs on mird
	1 ' ' '	brass cap mkd.
	1	• • • • • • • • • • • • • • • • • • • •
	1 7 7 7 7	7 \$ 5 COR.1
		1930 from which,
		a paloverde, 20 ins. in diam., brs. S.532°W., 86 lks.
	1	
		dist., marked 4 5 3 BT
	1.	No other trees available.
	1. ,	
		continue line and measurement.
¥	40.00	From which point; a circular cement slab, set in iron ring
F	T 40.00	
	i	about 12 ins. in diam., brs. North, 3 lks. dist., mkd.
		NW COR SP TS
	, ,	
		continue line and measurement.
j	45.12	
¥	T 7 7 4 4 4 4 4	
		which is a stone $8 \times 10 \times 12$ ins. above ground, firmly
	1 .	set, mkd. cc ES No.648 No.11 on E.face, (of record as
		below an man limit of the state
	1.	being on Tp. bdy.) continue line and measurement.
	66.18	Intersect A.P. No. 2, (original cor. secs. 34 and 35, T.
		1 C D 10 th 1 doubtleman 1 the same of the country, 10
	1	1 S., R.12 E.) Continue line and measurement.
	€ 66.68	intersect the reestablished cor. secs. 34 and 35, T. 1 S.,
		R.12 E., which is an iron post 2 ins. in diam., firmly
		set, projecting 12 ins. above ground and mound of stone.
	1	with brass cap properly marked. No bearing trees.
	1 ,	1 on propp och broberra morrage no pastring press.
	1	
		Part 20 Part 可能的 20 Part

2881

Resurvey of part of the N. Bdy. of T.2 S., R.12 E.

Chains

79.88

Intersect the closing cor. secs. 5 and 4, T.2 S., R.12 E., which is a stone 8 x 8 x 9 ins. above ground, firmly set in a mound of stone, marked with CC and six grooves on S. and three grooves each on E. and W. faces.

No bearing trees.

6

Survey of Part

	. 7	-of-
		Boundary: of Addition to Superior Townsite in sec. 3.
1	Chains	
		. Retracement for Survey.
1		
		From Cor. No.11 of Exchange Sur. No.648, hereinbefore des-
- Co. 20 Marries	e de la companya de l	cribed.
-		S.6°47'W., on random line along boundary thereof.
AMERICA -	3.03	Intersect Cor. No.12.
	-	True course and dist. 11-12 are therefore S.6°47 W., 3.03 chs.
1		Thence, S.71°33'W., on random line.
į	85.ر	Intersect Cor. No.13.
		True course and dist. 12-13 are therefore S./1033 W., 3.85
		chs.
-		Thence,
	0 ~ (S.42°21'W., on random line.
	2.56	Intersect Cor. No.14. True course and dist. 13-14 are therefore S.42°21'W., 2.56
1		chs.
1		Thence.
4000		S.62°20'E., on random line on NE end line of Magma Station
		grounds.
	0.78	Intersect NE cor. of said grounds.
		True course and dist. 14-NE Cor. Magma Sta. Grounds, are therefore S.62°20'E., 78 lks.
ĺ		Thence.
		S.27°45'W., along SE side line of Station grounds.
1	1.85	Intersect Cor. No.1 of E.E.S.No.651.
-		True course and dist. from NE cor. Sta. grounds to Cor. 1
i i		of T.E.S. No.651 are therefore S.27°43'W., 1.85 chs.
-		Thence, S. 7°07'E., on random line, on bdy. of E.S. No. 651.
1	1.38	Intersect Cor. No. 2 of .E.S.No.051.
		True course and dist. 1-2 are therefore S.37°07 'E., 1.38 chs.
		Thence.
1	o (o	N. 38°13'E., on random line, on bdy. of .E.S. No.651.
1	2.60	Intersect Cor. No.3 of said survey. True course and dist. 2-3 are therefore N.38°13'E., 2.60 chs.
i		Thence.
	_	S.44°01'E., on random line, on bdy. of .E.S.No.651.
	3.64	Intersect Cor. No.4 of said survey.
		True course and dist. 3-4 are therefore S.44°Ol'E., 3.64 chs.
		Thence, S.49°07'W., on random line, on bdrs. of E.S. Nos.651 and 650.
	5.26	Intersect Cor. No.3 of .E.S.No.650.
1		True course and dist. 4- E.S. No. 651- to 5- 45 S. No. 650
-		are therefore S.49°07'W., 3.26 chs.
		Thence,
-	6.04	S.59°08'W., on random line, on bdy. E.S.650. Intersect Cor. No.4 of said survey on SE side line of
	0.04	Magma Sta. grounds.
1		True course and dist. 3-4 are therefore S.69.08 W., 6.04 chs.
-		Thence.
-	• 0:	S. 27°43'W., on random line, on SE side line of Sta. grounds.
-	15.24	Imtersect At P. of Magma R. R. Station grounds bdy, which is a stone 8 x 12 x 10 ins. above ground; firmly set, and marked: MARO on Wiface: From this A. P.
-		the SE cor. of said Stace rounds bears S.41° 26'W., 4.96 chs. dist.
Marine Street to a		True course and dist. of Sta.grounds bdy. from Cor. 4- E.S.
		No.650 to A.P. on SE side line of said grounds, are
-		therefore S.27°43'W 15.24 chs.
		From Cor. No.4 -HEESS. No.459, N.11°50'W., on random line
i	7 ZE	on NE end line of said claim. Intersect the SE side line of the Magna R.R. Station
-	1.35	grounds at 33 1ks. N.27°43'E., from the Angle Point thereon.
-		Continue line and measurement.
	3.99	Intersect Cor. No. 3 of H.E.S. No.439 which is a stone
	<i></i>	8 x 10 x 14 ins. above ground, firmly set, mkd. 3-HES
		439•
1		

	Survey of Part
th	2 Boundays. of Addition to Superior Townsite in Sec. 3. LOOK 3881
Chains	
5•19	True course and dist. bet. Cor. No.4 H.E.S. 439 and Cor. No.4 H.E.S.No.437 are therefore N.50°27 'E., 5.19 chs. Thence.
	1.9° 27 'E., on random line, on N. side line of H.E.S. No. 436.
15.00	Intersect the true point for Cor. No.1 of H.E.S. No.436 restored from bearing rock of record. True course and dist. 4-1 are therefore N.39°27'E., 15.00 cha.
11.59	Thence, S.51°45'E., on random line, on NE end line of H.E.S.No.436. Intersect Cor. No.2, which is a pine stake 1×3 ins. projecting 8 ins. above, ground, Therefore is and marked st2-H.ES.436. there is a subject to state of the
•	So-Survey,
	From the 1 sec. cor. sec. 3 only. Bdy. of T.2 S., R.12 E., (Cor. No.1 of Addition to Superior Townsite in Sec.3) N. 89° 57 W. on true line.
5.18	Intersect Exchange Survey No.648 at point 3 lks. S.6°47 W. of Cor. No.11 thereof.
3,00	Thence, S.6°47'W., on true line on bdy. of Exchange Survey No.648. Intersect Cor. No.12.
	Thence, S.71°33'W., on true line. Intersect Cor. No. 13.
	Thence, S.42°21'W., on true line.
2.56	Intersect Cor. No. 14. Thence,
0.78	S.62°20'E., on true line, on NE end line of Magma Sta. grounds. Intersect the NE Cor. of the Magma Station grounds, which is a wooden post 3 x 3 ins. sq. and projecting 14 ins. above ground, firmly set, with nail in top. Alongside the East cage of this cor. monument, set an iron post 3 ft. long, 1 in. in diam., 24 ins. in the ground, for Cor. No.2 of Addition to Superior Townsite, with brass cap marked
	MARC Cor.2
	1930 No bearing trees available. Raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high E. of cor.
•	Thence, S. 27°43'W., on true line along SE side line of Sta. grounds.
1.85	Intersect Cor. No. 1 of E.S. No. 651. Thence, S.37°07'E., on true line, on bdy. of E.S.No. 651.
1.38	Intersect Cor. No.2 of E.S. No.651. Thence,
2.60	N.38°13'E., on true line, Intersect Cor. No.3. Thence,
3.64	S.44°Ol'E., on true line. Intersect Cor. No.4. Thence,

5.19

Survey of Part

the Boundary's of the Addition to Superior Townsite in Sec. 3.

Thence,
S.49°07'W., on true line, on bdrs. of E.S. Nos. 651 and 650.

Intersect Cor. No.5 of E.S. No.650.
S.69°08'W., on true line, on bdy. of Magma Sta, grounds.

Thence,
S.27°45'W., on true line along SE side line of station
STUNDS.

Intersect M. and line of M.N.S.No.459, at 2.64 chs.
S.11°50'E. of Cor. No.5 thereof.
At point of intersection set an iron post 3 ft. long,
I in. in diam., 20 ins. in the ground to bedrock, deposit
a mtone mkd. with a cross (x) at base of post, raise
a mound of stone about post, for Cor. No.5 of Addition
to Superior Townsite, with brass cap marked

MARC \(\sigma_{\mathbf{cor.3}} \)
1930

No bearing trees available.

Thence,
S:11°50'E., on true line, on NE end.line of H.E.S.No.439.

1htersect Cor. No.4 of H.E.S. No.439 which is a stone
12 x l4 x 24 ins. firmly set, properly marked, witness
trees of record are now gone.

Thence, N.50°27'E., on true line, on NW side line of H.E.S. No.

137.
Intersect cor. No.4 to H.E.S. No.437, also Cor. 4 to H.E.S. No.436 which is an imbedded boulder 2 x 3 x 2 ft. above ground, mkd. properly and witnessed by bearing rocks and trees.

Thence,
N.39°27'E., on true line, on NW side line of H.E.S.No.

15.00 Intersect true point for Cor. No.1 of H.E.S.No.436 which is restored from original bearing rock, which is an ambedded stone 72 x 72 x 48 ins., which brs. S.78.05 E., 53 lks. List. properly marked. The other SE bearing rock of record is gone.

FINAL TEST

of

Buff Transit No. 18,000

by

Benjamin J.kinsey, U.S.Surveyor.

October, 5, 1930, on same meridian as described on page 2, hereof, examine the adjustments of the transit and find no errors.

At 9h.00m., a.m., with lat. arc set at 33.17½ N..., and decl. arc set at 4.56½ S., determine a meridian with the solar which agrees with the true meridian.

At 12h.00m., app.noon, with lat. arc unchanged, observe the sun on the meridian; the resultant reading of the declare is 4°40'S., which agrees with the computed declination of the sun.

At 5h.00m., p.m., with lat. are unchanged, set off 4°42½ S. on the decl. are and determine a meridian which agrees with the true meridian.

As all of the obsns. taken during the usual hours of solar work agree within 1' of the true meridian, concluded that the adjustments of the instrument have remained in a satisfactory condition during the surveys described in the foregoing field notes.

3881

4-680 (August, 1926)

FIELD ASSISTANTS.

Benjamin J. Kin	sey, U.S.Surveyor
NAMES.	CAPACITY.
McMillan Pollock	Chainman
No other Assist	unts
•	
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	<u></u>
·	·
	'
	·
······································	·
·	
·	

6-2764

CERTIFICATE OF UNITED STATES SURVEYOR

I, Benjamin J. Kinsey of special instructions received from the Distribearing date of the 17th day of in my own proper person, and in strict conformations, and the laws of the United States, RESURV the North Boundary of Town and SURVEYED all those parts or portions of the Addition to Superior Township 2 South, Range 12 River Base and Meridian, in the State of and by diagram on potter foregoing field notes as having been executed and resurvey.	UNITED STATES SURVEYOR , U. S. Surveyor, hereby certify upon honor that, in pursuance ict Cadastral Engineer, for Group 163. Arizona June
of special instructions received from the Distribearing date of the 17th day of in my own proper person, and in strict confortions, and the laws of the United States, RESURVENT the North Boundary of Town and SURVEYED all those parts or portions of the Addition to Superior Township 2 South, Range 12 River Base and Meridian, in the State of and by diagram on potter foregoing field notes as having been executed and resurvey	June
bearing date of the 17th day of	June
bearing date of the 17th day of	June
in my own proper person, and in strict conformations, and the laws of the United States, RESURVENE the North Boundary of Town and SURVEYED all those parts or portions of the Addition to Superior Township 2 South, Range 12 River Base and Meridian, in the State of and by diagram on pothe foregoing field notes as having been executed and resurvey.	mity with said instructions, the Manual of Surveying Instructions of the Boundary of the Boundary of the Gila and Salt of Arizona, which are represented in the Section 3.
the North Boundary of Town and SURVEYED all those parts or portions of the Addition to Superior To Township 2 South, Range 12 River Base and Meridian, in the State of and by diagram on p the foregoing field notes as having been execut said resurvey	the Boundary of ownsite in Section 3 of East of the Gila and Salt of Arizona , which are represented in
the North Boundary of Town and SURVEYED all those parts or portions of the Addition to Superior To Township 2 South, Range 12 River Base and Meridian, in the State of and by diagram on p the foregoing field notes as having been execut said resurvey	the Boundary of ownsite in Section 3 of East of the Gila and Salt of Arizona , which are represented in
Township 2 South, Range 12 River Base and Meridian, in the State of and by diagram on p the foregoing field notes as having been executed and resurvey	East of the Gila and Salt of Arizona , which are represented in
Township 2 South, Range 12 River Base and Meridian, in the State of and by diagram on p the foregoing field notes as having been executed and resurvey	East of the Gila and Salt of Arizona , which are represented in
River Base and Meridian, in the State of and by diagram on p the foregoing field notes as having been executed and resurvey.	East of the Gila and Salt of Arizona , which are represented in
River Base and Meridian, in the State of and by diagram on p the foregoing field notes as having been executed and resurvey	of Arizona, which are represented in
the foregoing field notes/as having been execut	age 1 hereof
said resurvey	ted by me, and under my direction; and that all the corners of
and survey have been established and perpetus	ated in strict accordance with the Manual of Surveying Instruc-
tions, and the special written instructions of t	he District Cadastral Engineer, for Group 163, Arizona
and in the specific manner described in the fie	eld notes, and that the foregoing are the original field notes of
such resurvey and survey.	Benjamin . Hinsey.
Place: Phoenix, Arizona.	U. S. Surveyor
Date: October 15, 1930.	APPROVAL
	AFI NOVAL
	Office of U. S. Supervisor of Surveys,
	Denver, Colo., October 27 , 1930
·	Y. of
	Township 2 South, Range 12 East
	dition to Superior Townsite in Section 3
of Townsh	ip 2 South, Range 12 East
	se and Meridian, in the State of Arizona
executed by Benjamin J. Kinsey.	U.S.Surveyor
under his special instructions dated June 1	ons and explanations made, the said field notes, and the resurve
-I certify that the foregoing transcript of	the field notes of the above described surveys in