

Book "D,"

BOOK 2697

# FIELD NOTES

re-OF THE SURVEY OF THE

East boundary of Townsh	ip 5 South, F	lange 13 West, and portion of
North boundary of Towns	hip 5 South, I	Range 12 West, and
First Standard Parallel	South, through	h Range 13 West,
(South boundary of Town	ship No.5 Sou	th, Range No.13 West),
	•	
	•	
	,	
······································	•	
Of the Gila and	Salt River Ba	se and Meridian,
In the State of	Arizona.	
	EXECUTED	BY
	W. K. Kierulff	. <b> </b>
		·
	·	
In the capacity of U.S. Trans. 40	man,µnder instru	$ctions\ dated$ February 26, , $1913$ ,
	a a	
issued by the United States	Surveyor Genero	ul to govern surveys included in
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	7 7 47	- Commission or of the Commal Land
Group No. 28 , which wer	re approvea oy in	e Commissioner of the General Land
0 <i>m</i>	1017	to authority contained in the Act of
•••		to authority contained in the Act of
Aug. 23,	1912,&	
Congress dated June 23,	, 191	
Re- Survey commenced	June 2,	, 191 <b>.3•</b>
P.o.		
Re- Survey completed	Oct. 15	. 191 <b>3.</b> •

BOOK 2697

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First Standard Parallel South

 <del>-1</del>51

#### Retracement of East Boundary of Township 5 South, Range 13 West.

Retracement commenced May 27, 1913, and executed with a Young and Sons light mountain transit, No. 8485, with solar The horizontal limb is provided with two attachment. double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined and tested on the true meridian at Phoenix, Arizona, and found correct, May 17, 1918.

- I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. observations, with a meridian determined by observations on Polaris, I proceed as follows:
- At a point near camp, in sec. 16, T. 6 S., R. 12 W., at 3h. 15m, a.m., 1.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark the point in the line thus determined by a tack in a wooden peg driven in the ground 5 chs. north of my station.
- At 7h. Om., a.m., l.m.t., I lay off the azimuth of Polaris
  1º 22' to the west, and mark the meridian thus determin ed by a tack in a wooden peg set in the ground 5 chs. north of my station.
- At 8h. Om, a.m., l.m.t., I set off 32° 54' on the lat. arc; 21° 17' N., on the decl. arc and determine a meridian dian with the solar. The meridian thus determined falls about 21" east of the meridian established by the Polaris observation.
- At 4h. Om., p.m., l.m.t., I set off 32° 54 N.on the lat. arc 21° 20' N., on the decl. arc and determine a meridian with the solar. A point on the meridian thus determined falls about 21" west of the meridian established by the Polaris observation; therefore, I conclude that the adjustments of the transit are satisfactory. May 27, 1913.

May 28, 1913, I commence at the old standard cor. of Ts. 5 S., Rs. 12 & 13 W., which is an ironwood post, firm-

ly set, mkd.
T 5 S R 12 W S 31 on NE., and T 5 S R 13 W S 36 on NW face,

Old pits N. E. and W. of cor. still visible.

Set an iron post, 3 ft. long, 3 ins. in diam, 24 ins. in the ground, alongside of old post for reestab. std. cor. of Ts. 5 S., Rs. 12 & 13 W. I leave the brass cap unmarked until I make Resurvey of this line.

Thence I run,

North, on a random line, bet. secs. 31 and 36, on the east bdy. of Twp. 5 S., R. 13 W.

**40, ∙00**. 80.19

No trace of original 1 sec. cor. of secs. 31 and 36 Continue random line north bet. secs. 31 and 36, N i mile, Fall 33 lks. E. of old cor. of secs. 25, 30, 31 and 36. Old post decayed. Pits and mound visible.

True course and dist., of this mile is therefore S.0° 14' E., 80.19 chs.

Set over old corner and run North on random line, bet. secs. 25 and 30.

No trace of old & sec. cor., secs. 25 and 30.

Fall 38 lks. E. of old cor. of secs. 19, 24, 25 and 30. Old post decayed. Pits and mound visible.

At this old corner I set off 21° 28 Non the decl. arc

and at noon I observe the sun on the meridian.

sulting lat. is 32° 59' N.
True course and dist. of mile bet. secs. 25 and 30, is therefore, S.0° 16' E., 80.23 chs.

40.00

80,23

Note:

Retracement	of	East	Boundary	of	Township	5	South	Range	13	West
Sand Bushman	31112	m+ 15 1	DODA MY OFF A	7 P	രക്ക്കെത്ത	C 1	100 mt 15 1	May not 1	10 1	ąc, 💎

	Ret an	racement of East Boundary of Township 5 South, Range 13 Wested Comment & Resourcey of continue of North Ddy. of To. 58.	B1
	Chains		
		a meridian with the solar, at the old cor. of secs. 19, 24, 25 and 30,	
	40.10	Thence I run, North, on a random line, bet. secs. 19 and 24.	
	40,12	Fall 6 lks. E. of the old sec. cor. of secs. 19 and 24.  Old pits and mound still visible but no evidence of old sec. cor. post. True course and dist. of this in ile	
		\$\frac{1}{4}\$ sec. cor. post. True course and dist. of this \$\frac{1}{2}\$ mile is therefore \$5.00 5 E., 40.12 chs.  Set over old \$\frac{1}{4}\$ sec. cor., and run North on random line,	
	40,17	Namile Fall 15 lks. E. of old cor. of secs. 13, 18, 19 and 24, as old post decayed and on ground: marks visible.	a
		Part of old post still in ground, from which An ironwood, 10 ins. in diam., brs. S. 804° W., 12 lks. dist., mkd. T 5 S R 13 W S 24 B T.	
		12 lks. dist., mkd. T 5 S R 13 W S 24 B T.  An ironwood, 14 ins. in diam., brs. N. 25½° W2., 242  lks. dist., mkd. T 5 S R 13 W S 13 B T.	
		True course and dist. of N to mile bet. secs. 19 and 24 is therefore, S. 0° 13' E., 40.17 chs.	
	,		
	¥	From the above described cor., I run North on a random line, bet. secs. 13 and 18.	
	40.09	Fall 7 lks. E. of old 1 sec. cor. of secs. 13 and 18, which is an old decayed post lying on the ground. Old pits are barely visible.	
		An ironwood 11 ins. in diam brs. S. 321° W., 140 lks. dist. mkd. 1 S. 13 B T.	
		An ironwood 9 ins. in diam, brs. N. 53° W., 228 lks. dist., mkd. & S 13 B T.  True course & dist. of S & mile bet. secs. 13 & 18, is	
		therefore S. 0° 6' E., 40.09 chs. Set over old $\frac{1}{4}$ sec. cor. and run North on random line,	
	40.14		
		which is  Part of old post, lying alongside of small mound of stone  True course & dist. of N & mile bet. secs. 13 and 18 is	
-		therefore, S. 0° 4' W., 40.14 chs. May 28, 1913.	
-	-		
		June 5, 1913: At the old cor. of secs. 7, 12, 13 and 18, above described, at 9h. Om., a.m., l.m.t., I set off 33° 00 N on the lat. arc and 22° 33' N., on the decl.	
	40.10	arc and determine a meridian with the solar.  Thence I run, North on a random line, bet. secs. 7 and 12 F all 32 lks. E. of the old \( \frac{1}{4} \) sec. cor. of secs. 7 and 12	
		which is a mound of stone, $2\frac{1}{2}$ ft. base, 1 ft. high. True course & dist. of S $\frac{1}{2}$ mile bet. secs. 7 and 12 is,	
	-	therefore S. 0° 27' E., 40.10 chs. Set over old \(\frac{1}{4}\) sec. cor. and run North on random line \(\frac{1}{2}\) mile, bet. secs. 7 and 12.	
	40.00		•
	40.00	From temp. cor. of secs. 1, 6, 7, and 12, I run North on a random line, bet. secs. 1 and 6.	
	40:00 80.00	# sec. cor.	
	50, 00	5 S., Rs. 12 and 13 W. Note: At this temp. cor. I set off 22° 33' N. on the	
		decl. arc and at noon observe the sun on the meridian, The resulting Lat. is $33^{\circ}$ $01\frac{1}{8}$ N.	
١			

### Retracement & Resurvey of portion of North Bdy., T. 5 S., R. 12 W.

A to the first of the first	Them temp con of mag 4 and 5 C Dg 19 and 13 W
Chains	From temp. cor. of Tps. 4 and 5 S., Rs. 12 and 13 W.,
	I run N. 89° 50' E., bet. secs. 6 and 31, on N. bdy. of
	T. 5 S., R. 12 W., on random line, (Original course of
,	this line, S. 89° 50' W.)
40 00	
40.00	No trace of old $\frac{1}{4}$ sec. cor. of secs. 6 and 31, set temp.
]	# sec. cor. and continue random line N. 89° 50' E.
	4 bec, out, what contribute following the R, co ou is,
79.00	Fall 21 lks. S. of the old cor. of secs. 5, 6, 31 and 32,
1	which is a desayed nest in mound of stone 3 ft hasa
ì	which is a decayed post, in mound of stone, 3 ft. base,
	2 ft. high, from which, one tree only,
1	
	An ironwood, 12 ins. in diam, bears N. 15° E.,
	219 1ks, dist., mkd, T. 4 S., R 12 W S 32 B T.
i	·
l	From above described old cor. of secs. 5, 6, 31 and 32,
į	
1	I run S. 89° 50' W., on a true line, bet, secs. 6 and
	31, as per original course of this line.
40,05	Set a malpais stone, 10 x 12 x 12 ins., 8 ins. in the
•	ground for reestablished # sec. cor, secs. 6 and 31,
i i	
	marked ton the north face and build a mound of stone
	3 ft. base, 2 ft. high N. of cor.
79.00	Intersect the E. bdy. of T. 4 S., R. 13 W., 120,21 chs.
	N. of the old + sec. cor. of secs 7 and 12, Ts. 5 S.,
Ì	Rs. 12 and 13 W., or 21 lks. N. of temp. cor. of Ts.
	4 and 5 S., Rs. 12 and 13 W. At point of intersection
	I set an iron post 3 ft. long, 3 ins. in diam, 24 ins.
	in the ground for reestablished cor. of Ts. 4 and 5 S.,
	Rs. 12 and 13 W., with brass cap marked.
ļ	
	T 4 S S 36 in NW.,
ł .	T 4 S S 31 in NE.,
,	C C D 10 W do C D and
	S 6 R 12 W in SE., and
	S 1 R 13 Win SW, quadrants, and
1	m s whole a company quantum by
	T 5 2 1913 on 5. nali. Pits impracticable. Build
1 .	T 5 8 1913 on S. half. Pits impracticable. Build a mound of stone, 4 ft. base, 3 ft. high, S. of cor.
	modification of brother, a fat of the management of the state of the s
i .	June 5, 1913.
i	
į ·	
ļ	Resurvey of the E. Bdy. of T. 5 S., R. 13 W.
	reput vey of the man buy, of it, to me,
1	
1	Resurvey commenced Oct. 9, 1913: At the cor. of Ts. 4
į į	
1	and 5 S., Rs. 12 and 13 W., reestablished by me June 5,
1	1993, when retracing this line and described by me on
	1993, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true
	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.
	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.
40 07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.
40.07	1993, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6,
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6,
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 2 sec. cor. of secs. 1 and 6, with brass cap mkd.,
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6, with brass cap mkd.,  4 S 1 on W.,
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6, with brass cap mkd.,  4 S 1 on W.,
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. ‡ sec. cor. of secs. 1 and 6, with brass cap mkd.,  ‡ S 1 on W., S 6 on the E., and
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. **\frac{1}{2}\text{ sec. cor. of secs. 1 and 6, with brass cap mkd.,  **\frac{1}{2}\text{ S 1 on W.,}  S 6 on the E., and  1913 on S. half.
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. **\frac{1}{2}\text{ sec. cor. of secs. 1 and 6, with brass cap mkd.,  **\frac{1}{2}\text{ S 1 on W.,}  S 6 on the E., and  1913 on S. half.
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 2 sec. cor. of secs. 1 and 6, with brass cap mkd.,  2 S 1 on W.,  S 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor.
	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6, with brass cap mkd.,  4 S 1 on W.,  5 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.
40.07	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6, with brass cap mkd.,  4 S 1 on W.,  5 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.
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45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. **\frac{1}{2}\text{ sec. cor. of secs. 1 and 6, with brass cap mkd.,  **\frac{1}{2}\text{ S 1 on W.,}  **\frac{1}{2}\text{ S 1 on W.,}  **\frac{1}{2}\text{ S 1 on S. half.}  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  **Ascend gradual increasing N. slope.
	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. **\frac{1}{2}\text{ sec. cor. of secs. 1 and 6, with brass cap mkd.,  **\frac{1}{2}\text{ S 1 on W.,}  **\frac{1}{2}\text{ S 1 on W.,}  **\frac{1}{2}\text{ S 1 on S. half.}  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  **Ascend gradual increasing N. slope.
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. I and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, I in. in diam., 26 ins. in the ground, for reestab. I sec. cor. of secs. I and 6, with brass cap mkd.,  I S I on W.,  S 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. I and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, I in. in diam., 26 ins. in the ground, for reestab. ** sec. cor. of secs. I and 6, with brass cap mkd., ** \$ 1 on W., \$ 6 on the E., and 1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. I and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, I in. in diam., 26 ins. in the ground, for reestab. ** sec. cor. of secs. I and 6, with brass cap mkd., ** \$ 1 on W., \$ 6 on the E., and 1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with
45. 00	1213, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. ‡ sec. cor. of secs. 1 and 6, with brass cap mkd.,  § S 1 on W.,  S 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. ‡ sec. cor. of secs. 1 and 6, with brass cap mkd.,  ‡ S 1 on W.,  S 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half,
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. ‡ sec. cor. of secs. 1 and 6, with brass cap mkd.,  ‡ S 1 on W.,  S 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half,
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 2 sec. cor. of secs. 1 and 6, with brass cap mkd., 2 s l on W., 5 6 on the E., and 1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half, R 13 W S 1 in NW.,
45. 00	1993, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 1 sec. cor. of secs. 1 and 6, with brass cap mkd.,  1 S 1 on W.,  5 6 on the E., and 1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half,  R 13 W S 1 in NW.,  R 12 W S 6 in NE.,
45. 00	1993, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 1 sec. cor. of secs. 1 and 6, with brass cap mkd.,  1 S 1 on W.,  5 6 on the E., and 1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half,  R 13 W S 1 in NW.,  R 12 W S 6 in NE.,
45. 00	IPIS, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. \$\frac{1}{2}\$ sec. cor. of secs. 1 and 6, with brass cap mkd.,  \$\frac{1}{2}\$ S 1 on W.,  \$S 6 on the E., and  \$1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor.  pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half,  R 13 W S 1 in NW.,  R 12 W S 6 in NE.,  S 7 in SE., and
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6, with brass cap mkd.,  4 S 1 on W.,  5 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half,  R 13 W S 1 in NW.,  R 12 W S 6 in NE.,  5 7 in SE., and  5 12 in SW. quadrants, and
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6, with brass cap mkd.,  4 S 1 on W.,  5 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half,  R 13 W S 1 in NW.,  R 12 W S 6 in NE.,  5 7 in SE., and  5 12 in SW. quadrants, and
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. ‡ sec. cor. of secs. 1 and 6, with brass cap mkd.,  ‡ S 1 on W.,  S 6 on the E., and  1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  T 5 S on N half,  R 13 W S 1 in NW.,  R 12 W S 6 in NE.,  S 7 in SE., and  S 12 in SW. quadrants, and  1913 in S. half.
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. \$\frac{1}{2}\$ sec. cor. of secs. 1 and 6, with brass cap mkd.,  \$\frac{1}{2}\$ S 1 on W.,  \$S 6 on the E., and  \$1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor.  pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  \$T 5 S on N half,  \$R 13 W S 1 in NW.,  \$R 12 W S 6 in NE.,  \$S 7 in SE., and  \$S 12 in SW. quadrants, and  \$1913 in S. half.  Build a mound of stone 4 ft. base 3 ft. high W. of cor.
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. \$\frac{1}{2}\$ sec. cor. of secs. 1 and 6, with brass cap mkd.,  \$\frac{1}{2}\$ S 1 on W.,  \$S 6 on the E., and  \$1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor.  pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  \$T 5 S on N half,  \$R 13 W S 1 in NW.,  \$R 12 W S 6 in NE.,  \$S 7 in SE., and  \$S 12 in SW. quadrants, and  \$1913 in S. half.  Build a mound of stone 4 ft. base 3 ft. high W. of cor.
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6, with brass cap mkd.,  \$\frac{1}{2}\S 1\text{ on W.}\$  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  \$\frac{1}{2}\S 0\text{ on N half,}\$  \$\frac{1}{2}\S 0\text{ S 6 in NE.,}\$  \$\frac{1}{2}\S 0\text{ S 6 in NE.,}\$  \$\frac{1}{2}\S 0\text{ on M.}\$  \$\frac{1}{2}\text{ in SW.}\$ quadrants, and 1913 in S. half.  Build a mound of stone 4 ft. base 3 ft. high W. of cor. Pits impracticable. No trees in limit. Land rolling.
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope.  Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. \$\frac{1}{2}\$ sec. cor. of secs. 1 and 6, with brass cap mkd.,  \$\frac{1}{2}\$ S 1 on W.,  \$S 6 on the E., and  \$1913 on S. half.  Build a mound of stone 3 ft. base, 2 ft. high W. of cor.  pits impracticable.  Dry wash 100 lks. wide, course NW.  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  \$T 5 S on N half,  \$R 13 W S 1 in NW.,  \$R 12 W S 6 in NE.,  \$S 7 in SE., and  \$S 12 in SW. quadrants, and  \$1913 in S. half.  Build a mound of stone 4 ft. base 3 ft. high W. of cor.
45. 00	1913, when retracing this line and described by me on page 3 of this book. Thence I run, South on a true line bet. secs. 1 and 6.  Over stony ground. Descend S. slope. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestab. 4 sec. cor. of secs. 1 and 6, with brass cap mkd.,  \$\frac{1}{2}\S 1\text{ on W.}\$  Ascend gradual increasing N. slope.  Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. secs. 1, 6, 7 & 12, with brass cap mkd.  \$\frac{1}{2}\S 0\text{ on N half,}\$  \$\frac{1}{2}\S 0\text{ S 6 in NE.,}\$  \$\frac{1}{2}\S 0\text{ S 6 in NE.,}\$  \$\frac{1}{2}\S 0\text{ on M.}\$  \$\frac{1}{2}\text{ in SW.}\$ quadrants, and 1913 in S. half.  Build a mound of stone 4 ft. base 3 ft. high W. of cor. Pits impracticable. No trees in limit. Land rolling.

Resurvey of the E. bdy. of T. 5 S., R. 13 W.

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South, on a true line. Bet. secs. 7 and 12. Ascend rough N. slope of mountain, covered with malpais
Chains
                boulders.
             Top of rocky hill bears E. and W. 520 ft. above surround-
 21,00
                 ing plain.
             Descend steep rocky S. slope of mountain.
             Foot of descent, bears E. and W.

Intersect old \( \frac{1}{2} \) sec. cor. hereinbefore described, which
I destroy and in same place set an iron post 3 ft. long.
I in. in diam. 26 ins. in the ground, for reestab. \( \frac{1}{2} \)

sec. cor. secs. \( \frac{1}{2} \) and \( 12 \), with brass cap mkd.
 39.00
 40.07
                        1 S 12 in W.,
             S 6 in E., and 1913 on S. half.
Build a mound of stone 3 ft. base 2 ft. high W. of cor.
                 Pits impract. nence I run, S. 0° 27' E., on a true line S \frac{1}{2} mile bet.
              Thence I run,
                secs. 7 and 12.
             Wash 20 lks. wide course SE.
 23,00
             Wash, 20 lks, wide, course E.
Intersect old cor. of secs. 7, 12, 13 and 18, hereinbefore described, which I destroy and in same place set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestab. cor. of secs. 7, 12, 13, and
 32,00
  40.10
                 18, with brass cap mkd.
                        T 5 S in N. half.
                        R 13 W S 12 in NW.
                      - R 12 W S 7 in NE.,
                        S 18 in SE, and
             S 13 in SW. quadrants, and
1913 in S. half.
Build a mound of stone, 4 ft. base, 3 ft. high W. of cor.
                 Pits impract.
             Land mountainous 40.00 chs., broken, remainder of dist.
             Soil sandy and gravelly, 3rd and 4th rates.
                                                                    October 9, 1913.
             Oct. 16, 1913. S. 0° 04' W. on a true line. Bet. secs. 13 and 18. Over nearly level land. Dry wash, 50 lks. wide, course SE.
 35.00
              Intersect old & sec. cor. of secs. 13 and 18 hereinbefore
  40.14
                 described, which I destroy and in same place set an iron post 3 ft. long, 1 in, in diam, 26 ins. in the ground for reestab. # sec. cor. of secs. 13 and 18, with
                 brass cap mkd.
                        1 S 13 in W.,
             S 18 in E., and
1913 in S. half,

Dig pits 18 x 18 x 12 ins. N. and S. of cor., 3 ft. dist.
and raise a mound of earth 3½ ft. base, 2½ ft. high W.
of cor. No trees within the prescribed limits. Thence
                 I run S 0° 6' E., on true line on S \( \frac{1}{2} \) mile bet. secs.
                 13 and 18.
 10.09
             Dry wash 50 lks. wide course SE. Dry wash 50 lks. wide course SE.
  25,00
  40.09
              Intersect old cor. of secs. 13, 18, 19 and 24, hereinbefore
                 described, which I destroy and in same place
             Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in the ground for the reestab. cor. of secs. 13, 18, 19 and 24, with brass cap mkd.

T 5 S in N. half,
                        R 13 W S 13 in NW,
                        R 12 W S 18 in NE.,
                        S 19 in SE., and
S 24 in SW. quadrants, and
                        1913 on S. half.
             Dig pits 18 \times 18 \times 12 ins. in each sec. 5\frac{1}{2} ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. No trees suitable for bearing trees within the prescribed
                  limits.
              Land level.
              Soil, sandy with gravel, 3rd rate. Timber, scattering
                 palo verde and ironwood. Undergrowth, greasewood.
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Resurvey of the E. bdy. of T. 5 S., R. 13 W.
           S. 0° 13' E.,
                               on a true line bet. secs. 19 and 24.
Chains
           Over level land.
           Dry wash 350 lks. wide course SE.
 32,00
           Intersect old & sec. cor. of secs. 19 and 24, hereinbefore
 40.17
              described, which I destroy, and in the same place, set an iron post 3 ft. long, 1 in, in diam., 26 ins. in the ground for reestab. ½ sec. cor. of secs. 19 and 24,
               with a brass cap mkd.
                     🗜 S 24 in W.,
                     S 19 in E., and
                     1913 in S. half.
           No trees suitable for bearing trees within the prescribed
               limits.
           Dig pits 18 x 18 x 12 ins. N. and S. of cor. 3 ft. dist.
           and raise a mound of earth 3\frac{1}{2} ft. base 1\frac{1}{2} ft. high W. of cor. Thence I run S. 0° 5' E., on true line on S \frac{1}{2} mile bet. secs. 19 and 24. Over level land.

Intersect old cor. of secs. 19, 24, 25 and 30, hereinbefore described which I destroy and in same place Set
 40.12
              an iron post 3 ft. long, 3 ins. in diam, 24 ins. in the ground, for reestab. cor. of secs. 19, 24, 25 and
               30, with brass cap, mkd.
                    T 5 5 in N. nalf,
R 13 W S 24 in NW.,
                    R 12 W S 19 in NE.,
                    S 30 in SE., and
                    S 25 in SW., quadrants, and
           1913 in S. half.

Dig pits 18 x 18 x 12 ins. in each sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor
           No trees suitable for bearing trees within the prescribed
               limits. Land level. Soil jandy, 3rderate ... Undergrowth,
               greasewood.
           S. 0° 16' E., on a true line. Bet. secs. 25 and 30.
           Over level land.
 40.115 Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in
              the ground for reestab. # sec. cor. of secs. 25 and 30
              with a brass cap mkd.
                     \frac{1}{4} S 25 in W.,
                    S 30 in E., and
1913 in S. half,
           No trees suitable for bearing trees within the prescribed
              limits.
           Dig pits 18 \times 18 \times 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3\frac{1}{2} ft. base 2\frac{1}{2} ft. high W.
               of cor.
           Intersect old cor. of secs. 25, 30, 31, and 36, herein-
before described, which I destroy and in same place
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 80, 23
              the ground for reestab. cor. of secs. 25, 30, 31 and 36
              with brass cap mkd.
                    T 5 S in N. half,
                    R 13 W S 25 in NW.,
                    R 12 W S 30 in NE.,
                    S 31 in SE, and
                    S 36 in SW., quadrants, and
                    1913 in S. half.
           Dig pits 18 x 18 x 12 ins. in each sec. 5\frac{1}{2} ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. No trees suitable for bearing trees within the prescribed
              limits.
                             Soil, sandy 3rd rate. Timber, scattering
           Land level.
              palo verde and ironwood. Undergrowth greasewood.
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Resurvey	οf	the	TF.	$\mathbf{R}\mathbf{d}\mathbf{v}$	of	ip.	5	5	R	13 W

8. 0° 14' E., on a true line, bet, secs. 31 and 36. Chains Over level land. 40.095 Set an iron post 3 ft. long, lin, in diam, 26 ins. in the ground for reestab. 4 sec. cor. of secs. 31 and 36, with brass cap mkd. ‡ S 36 in W., S 31 in E., and 1913 in S. half., Dig pits 18 x 18 x 12 ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $2\frac{1}{2}$  ft. high W. No trees within the prescribed limits for bearing trees. Intersect the reestab. Std. Cor. of Ts. 5 S., Rs. 12 and 13 W., set by me May 28, 1913, as hereinbefore describ-80.19 ed, which I mark on brass cap T 5 S., in N. half., R 13 W S 36 in NW, and R 12 W S 31 S C in NE. quadrant, and 1913 in S. half.
Dig pits 30 x 24 x 12 ins. crosswise on each line E. and W., 4 ft. dist. and N. of cor. 8 ft. dist., and raise a mound of earth, 5 ft. base  $2\frac{1}{2}$  ft. high N. of cor. No trees within the prescribed limits for bearing trees. Land level. Soil, sandy, 3rd rate. Undergrowth, greasewood. Oct. 16, 1913. Retracement of 1st Standard Parallel South thru Range 13 West. May 29, 1913: At 8h. Om., a.m., l.m.t., I set off 32° in the lat. arc; 21° 36' N., on the decl. arc and determine a meridian with the solar, at the old std. cor. of Ts. 5 S., Rs. 12 and 13 W., hereinbefore described. Thence I retrace the First Std. Parallel South, bet. Tps. 5 and 6 S., thru R. 13 W., as follows:
West, on a random line, on S. bdy. of Sec. 36, T. 5 S.,
R. 13 W. Fall 9 lks. N. of old standard + sec. cor. which is an Old post broken off and lying on the ground; part of 40.17 old post still in ground. Pits barely visible. True course and dist. of E 1 mile of S. bdy. of sec. 36 is therefore S. 89° 53' W., 40.17 chs., from above described old std. 4 sec. cor. I run west on random line, on W & mile. Old closing cor. to secs. 1 and 2, T. 6 S., R. 13 W., bears 11 lks. S. which is an old post broken off, with part of it still in the ground. No trace of old pits 23, 13 or mound. Continue random line west from old std. 4 sec. cor. Fall 3 lks. N. of the old standard cor. of secs. 35 and 36 39.77

which is a post rotted off and lying on the ground. No trace of the old pits and mound.

True course & dist. of W = mile of S. bdy. of sec. 36 is therefore, S. 89° 57' W., 39.77 chs.

#### Retracement of 1st Standard Parallel South thru Range 13 West.

	Chains	Set over old, std. cor. of secs. 35 and 36, and run west on random line on S. bdy. of sec. 35.
	40.50	Fall 23 lks. M. of the standard + sec. cor. of sec355 which
	•	is an old ironwood post in good state of preservation, mkd. 1 on the W. face. Old pits and mound not visible.
		True course & dist. of E ½ mile of S. bdy. of sec. 35 is therefore S. 89° 40' W., 40.50 chs.
		Set over & sec. cor. and run west on random line on W &
	22, 59	mile. Old closing corner to secs. 2 and 3, T 6 S R 13 W bears
		S. 1 lk. dist., which is an old post partly decayed.  Marks not distinct: from which,
		An ironwood 12 ins. in diam, brs. N. 43° E., 170
	40,00	lks. dist. mkd., T 5 S R 13 W S 35 C C B T. Fall 7 lks. N. of old stand. cor. of secs. 34 and 35,
		which is an old post rotted off and lying on the ground part of old post still in the ground. Marks not plain,
	- 1	Old pits and mound not visible, from which
		A palo verde 12 ins. in diam. brs. N. 5° 22' E., 272 lks. dist. mkd. T 5 S R 13 W S 35 C C B T.
		True course and dist of W mile of S. bdy. of sec. 35 is therefore S. 89° 54' W. 40.00 chs.
	•	therefore b. 65 54 w., 40.00 chb.
		Set over old std. cor. of secs. 34 and 35, and run west on random line on 8. bdy. of sec. 34.
	40.15	Fall 18 lks. N. of the old standard + sec. cor. of sec.
		34, which is an old post partly decayed, broken off and lying on the ground. Part of old post still in the
		ground. Old pits barely visible, from which A decayed palo verde 9 ins. in diam, brs. N. 63° E.
		240 lks. dist., mks. not visible.
		True course & dist of E & mile of S. bdy. of sec. 34 is therefore S. 89° 45' W., 40.15 chs.
		Set over old std. $\frac{1}{4}$ sec. cor. and run west on random line on $W = \frac{1}{2}$ mile.
	23, 45	Intersect old closing cor. to secs. 3 and 4, T. 6 S., R.
		13 W., which is an old post decayed, broken off and lying on the ground. Old pits barely visible.
	40.09	Continue random line west from old standard & sec. cor. Fall 3 lks. N. of the old stand. cor. of secs. 33 and 34,
•	40.03	which is an old post decayed, broken off and lying on
		the ground. Part of old post still in the ground. No marks visible. True course & dist. of W is mile of S bdy.
		of sec. 34 is therefore S. 89° 57' W., 40 .09 chs. Note: At this corner I set off 21° 37' N., on the decl.
		arc and at 11h. 57m., a.m., 1.m.t., observe the sun on
		the meridian. The resulting lat. is 32° 56½' N.
	,	Set over old standard cor. of secs. 33 and 34, and run west on random line on S. bdy. of sec. 33.
	40.18	Fall 7 lks. N. of old stand. + sec. cor. of sec Part of
		old post still in the ground. Pits and mound still visible: from which
	1	A palo verde 10 ins. in diam, brs. S. $6\frac{1}{2}$ ° W., 200 lks. dist. mks. not visible.
		A palo verde 8 ins. in diam, brs. N. $63\frac{1}{2}$ ° W., $101$
	• .	Iks. dist. mks. not visible.  True course and dist. of E ½ mile of S. bdy. of sec. 33
		is therefore S. 89° 54' W., 40.18 chs. Set over old standard $\frac{1}{4}$ sec. cor. and run west on random
	•	line on W. d mile
	23, 59	Fall 8 lks. N. of the old closing cor. of secs. 4 and 5, T. 6 S., R. 13 W., an old post broken off and lying on
	. '	the ground. Part of old post still in the ground.  Marks not visible. Pits and mound still visible; from
		which
		A palo verde 6 ins. in diam, brs. 8. 22° E., 127 lks. dist. mks. visible but not clear.
	40.00	Continue random line west from old standard + sec. cor.
	40.00	No trace of old stand. cor. of secs. 32 and 33.

. Retracement of the 1st Stan, Parallel S., thru Range 13 West.

<b>L</b>	
G1 - 4	
Chains 40.10	Fall 13 lks. N. of true point for old cor. which I estab-
40.10	lished as follows: from a B. T. which is
	A palo verde 6 ins. in diam, I lay off 275 lks.
	N. 88° E. This gives me the true point for the
	old cor.
	Set stake for temp, cor. here. True course & dist, of
	W mile of S. bdy. of sec. 33 is therefore S. 89° 49'
	W., 40, 10 chs.
• .	Cat area town and of soon 30 and 77 and min West an
1	Set over temp, cor. of secs. 32 and 33 and run West on
40.07	random line on S. bdy. of sec. 32. Fall 17 lks. N. of the old stand. 4 sec. cor. of sec32an
40.01	old post decayed, broken off and lying on the ground.
	Part of the old post still in the ground. Find charred
	stake in old mound, still in good state of preservation
,	True course and dist. of E & mile of S. bdy. of sec. 32 is
	therefore S. 89° 45' W., 40.07 chs
	Set over old standard & sec. cor. and run west on random
	line on W & mile of sec. 32.
23, 60	Fall 5 lks. N. of old closing cor. of secs. 5 and 6, T. 6
	S., R. 13 W., which is an old decayed post broken off and lying on the ground. Part of old post still in
	the ground, from which
	A palo verde 8 ins. in diam, brs. S. 40° E., 150
	lks. dist. mks. not visible.
	Continue random line west from old Std. + sec. cor.
40.14	Fall 8 lks. N. of the old stand. cor. of secs. 31 and 32,
·	which is an old decayed post broken off and lying on
<b>,</b> 2, 4, 4	the ground. Part of old post still in the ground, from
la é	which,
	A palo verde 6 ins. in diam, brs. N. 71½° E., 111 lks. dist. mks. not visible.
	A palo verde 6 ins. in diam. brs. S. $31\frac{1}{2}$ ° E., 143
	lks. dist. mks. not visible.
	. A palo verde 5 ins. in diam, brs. S. 23° W., 71.
	lks. dist. mks. not visible.
,	A palo verde 12 ins. in diam, brs. S. ½° W., 73
•	Iks. mks. not visible.  True course and dist. of the W & mile of S. bdy. of sec.
•	32 is therefore S. 89° 53' W., 40.14 chs.
•	
	Set over old std. cor. of secs. 31 and 32 and run west on
40.13	rand om line on S. bdy. of sec. 31. Fall 10 lks. N. of the old stand. 1 sec. cor. of sec. 31,
40.13	which is an old post decayed, broken off and lying on
	the ground. Part of old post still in the ground,
	from Which,
	A palo verde 10 ins. in diam, brs. N. 36 2 E., 110
	lks. dist. mks. not plain.
• • •	A palo verde 8 ins. in dia. brs. S. 15 to E., 93 lks.
,	dist, mks, not plain.
	True course and dist. of E i mile of S. Edy. of sec. 31, is therefore S. 89° 51! W., 40.13 chs.
	Set over old standard & sec. cor. and run west on random
ا مد	line on W i mile sec. 31.
22, 05	Fall 14 lks. N. of the old closing cor. to Tps. 6 S., Rs.
	13 and 14 W. which is an old decayed post broken off
	and lying on the ground. Part of post still in the
ti!	ground.
	Continue random line west from old std. 1 sec. cor.
40,19	Fall 14 lks. N. of the old stand. cor. of Ts. 5 S., Rs. 13 and 14 W., which is an old post in ground partly
. `	decayed, from which,
	A palo verde 8 ins. in diam. brs. N. 53° E., 56
	lks. dist. mks. not plain.
	A palo verde 8 ins. in diam. brs. N. 2310 E., 79
	lve dist mks not olain
•	A palo verde 8 ins. in diam, brs. S. 7 to E., 89
	lks. dist. mks. not plain.

```
A palo verde 7 ins. in diam. brs. N. 37° W., 38
Chains
            lks. dist. mks. not plain.

True course and dist of the W = mile of S. bdy. of sec.

31 is therefore S. 89° 48' W., 40.19 chs.
                                                                      May 29, 1913.
            October 16,1913.
S. 89° 53' W., on a true line.
                                                              Along S. bdy of sec.
            Dry wash, 20 lks. wide, course SE.
 . 14
40, 17
            Intersect old stand. I sec. cor. of sec. 36 hereinbefore described, which I destroy and in same place
            Set an iron post 3 ft. long, lin. in diam. 26 ins. in the ground for angle point to std. \(\frac{1}{4}\) sec. cor. of sec.
               36, with brass cap mkd.
           S 36 t in N., and
A. P. 1913 in S. half,
Dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist.
               and raise a mound of earth 3\frac{1}{2} ft. base 1\frac{1}{2} ft. high, N.
                of.cor.
            Thence I run
            S. 89° 57' W., on a true line, on W & mile. Along S. bdy. of sec. 36.
            Old closing cor. of secs. 1 and 2, T. 6 S., R. 13 W., bears S. 9 lks. dist., which I destroy and reestablish
 23, 13
               in same place as follows:
            Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in
               the ground, for closing cor. of secs. 1 and 2, with
               brass cap mkd.
                     C C, B of center
                                                                             TSS RISW
                     T 5 S R 13 W in N. half,
                     $ 35 in NW,
                     S 36 in NE,
                                                                                考2(51
                     S 1 in SE, and
           S 2 in SW, quadrant,
1913 in S. half.
Dig pits 24 x 18 x 12 ins. crosswise on each line E. and
                                                                                 1915
          W. of cor. 3 ft. dist., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high S. of cor. Continue from \(\frac{1}{4}\) sec. cor. S. 89° 57' W.

Intersect old stand. cor. of secs. 35 and 36, hereinbefore described, which I destroy and reestablish in the same
 39,77
               place as follows.
            Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in
               the ground for angle point of secs. 35 and 36, with
               brass cap mkd.,
                                                                            SC AP
                     S C A P on N. half, and
                                                                               1915
                      1913 in S. half.
            Dig pits 24 x 18 x 12 ins. crosswise on each line E. and
               W. 3 ft. dist., and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
            Land level.
            Soil sandy,
                              3rd rate,
            Undergrowth greasewood.
                                  on a frue line Along the S. bdy. of Sec. 35.
            S. 89° 40' W.,
            Over level land.
           Intersect old stand. $\frac{1}{4}$ sec. cor. of sec. 35, hereinbefore described, which I destroy and in the same place, Set an iron post, 3 ft. long, 1 in. in diam. 26 ins. in the ground for angle point to std. $\frac{1}{4}$ sec. cor. of sec.
 40,50.
               35, with brass cap mkd.,
                     S 35 1 in N., and
           A P 1913 in S. half.

Dig pits 18 x 18 x 12 ins. E. and W. of cor? 3 ft. dist. and raise a mound of earth 32 ft. base 12 ft. high N.
            Thence I run S. 89 541 W., on a true line, on W \( \frac{1}{2} \) mile.
               Along S. bdy. of sec. 35.
           Old closing cor. of secs. 2 and 3, T. 6 S., R. 13 W., bears N. 3 lks. dist. which I destroy and in the same
 22, 59
```

place, set an iron post, 3 ft. long, 2 ins. in diam, 2

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Resurvey of the 1st. Stand. Parallel S., thru Range 13 West.
              ins. in the ground, for reestablished closing cor. of secs. 2 and 3, with brass cap mkd.

C C S of center,
Chains
                                                                    TSS RI3W
                     T. 5 S R 13 W in N. half,
                     S 34 in NW,
                                                                      534 925
                    S 35 in NE,
                                                                      33/92
           S 2 in SE, and
S 3 in SW, quadrant,
1913 in S. half,
Dig pits 24 x 18 x 12 ins. crosswise on each line, E. and
W. of cor. 3 ft. dist., and S. of cor., 7 ft. dist.,
and raise a mound of earth 4 ft. base 2 ft. high S. of
           Continue S. 89° 54' W., on true line from 4 sec. cor.
           Along S. bdy. of sec. 35, on W \frac{1}{2} mile. Intersect old stand. cor. of secs. 34 and 35, hereinbefore
 40.00
               described, which I destroy and reestablish in the same
              place as follows:
           Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in
               the ground, for angle point to the std. cor. of secs.
               34 and 35, marked on brass cap, S.C. A.P. in N., and
           1913 in S. half, Dig pits 24 x 18 x 12 ins. crosswise on each line E. and
               W. of cor. 3 ft. dist. and N. of cor. 7 ft. dist., and
               raise a mound of earth 4 ft. base 4 ft. high, N. of cor
            Land level. Soil sandy with gravel, 3rd rate.
           Undergrowth greasewood.
           S. 89° 45' W., on a true line Along S. bdy. of sec. 34. Road bears NW. and SE.
   1,90
            Intersect old stand. + sec. cor. of sec. 34, hereinbefore
 40, 15
               described, which I destroy and in same place
            Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
               the ground, for angle point to std. \frac{1}{4} sec. cor. of sec.
               34, with brass cap mkd.,

S 34 in N. and

A P 1913 in S. half,
           Dig pits 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.
               and raise a mound of earth 3\frac{1}{2} ft. base 1\frac{1}{2} ft. high N.
               of cor.
           Thence I run S. 89° 57! W., on a true line Along S. bdy. of sec. 34, on W \( \frac{1}{2} \) mile.
           Old road bears NW. and SE.
Old closing cor. of secs. 3 and 4, T. 6 S., R. 13 W.,
bears N. 1 lk. dist., which I destroy and in the same
place, set an iron post 3 ft. long, 2 ins. in diam.,
   9.00
 23, 45
               24 ins. in the ground, for reestablished closing cor.
               of secs. 3 and 4, with brass cap mkd.
                     C C S of center,
                     T 5 S R 13 W in N. half,
                                                                           tro RIYW
                                                                            With the
                     S 33 in NW,
                     8 34 in NE,
                                                                             E/17
                     S 3 in SE, and
            S 4 in SW, quadrant
1913 in S. half,
Dig pits 24 x 18 x 12 ins., crosswise on each line E. and
            W. of cor. 3 ft. dist., and S. of cor. 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high S. of cor. Continue S. 89° 57' W., on a true line on W mile of
            8. bdy. of sec. 34, measuring from std. 4 sec. cor.
Intersect old stand. cor. of secs. 33 and 34, hereinbefore
described, which I destroy and in the same place
            Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. the ground, for angle point to std. cor. of secs. 33
               and 34, with brass cap mkd.
            S C A P in N., and
1913 in S. half.
Dig pits 24 x 18 x 12 ins. crosswise on each line, E. and
               W. 3 ft. dist., and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
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Land level.

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Resurvey of the 1st. Stand. Parallel S., thru Range 13 West.
           Soil sandy with gravel, 3rd rate.
           Undergrowth, greasewood.
                                                             October 16, 1913.
          Oct. 15, 1913. S. 89° 54' W., on a true line,
Along S. bdy. of sec. 33. Over level land.
Intersect old stand. 

# sec. cor. of sec. 33, hereinbefore
described, which I destroy and in the same place
40.18
           Set an iron post 3 ft. long, 1 in in diam, 26 ins. in the ground for angle point to std. ‡ sec. cor. of sec.
                   with brass cap mkd.,
                   8 33 1 in N, and
          1913 A P in S., half,
Dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist.,
              and raise a mound of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high N.
              of cor.
          Thence I run S 89° 49' W., on a true line, Along S. bdy. of sec. 33 on W mile
          Old closing cor. of secs. 4 and 5, T. 6 S., R. 13 W., bears S. 1 lk. dist, which I destroy and in the same
23, 59
             place
          Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished closing cor. of secs. 4
              and 5, marked on brass cap,
                    C C S of center,
                                                                                  TJ5 R136
                                                                                  532 533
7517 54
                    T 5 S R 13 W in N. half,
                   S 32 in NW,
                   S 33 in NE,
                   S 4 in SE, and
          S 5 in SW, quadrants,
1913 in S. half,
Dig pits 24 x 18 x 12 ins., crosswise on each line,
             and W. of cor. 3 ft. dist. and S. of cor. 7 ft. dist.
             and raise a mound of earth 4 ft. base 2 ft. high S. of
             cor.,
          Continue S. 89° 49' W., on true line, Along S. bdy. of
          Intersect the temp, std. c.or. of secs. 32 and 33, herein-
40.10
             before described, which I remove, and establish perma-
             nent cor. in same place as follows:
          Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in the ground, for standard cor. of secs. 32 and 33, with brass cao mkd.
                                                                            532 533 56
                    T 5 S S 32 in NW, and
                   R 13 W S 33 S C in NE. quadrant,
          1913 in S. half.
Dig pits 24 x 18 x 12 ins. crosswise on each line E. and
             W. of cor. 3 ft. dist. and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
          Land level. Soil sandy, with gravel, 3rd rate.
          Undergrowth greasewood.
          S. 89° 45' W., on a true line Along S. bdy. of sec. 32.
          Over level land.
          Yuma - Phoenix road bears N. 60° W. and S. 60° E. Intersect old stand. \( \frac{1}{2}\) sec. cor. of sec. 32, hereinbefore described, which I destroy and reestablish in the same
26, 50
40.07
             place as follows:
          Set an iron post 3 ft. long, l in, in diam 26 ins. in the ground, for std. 2 sec. cor. of sec. 32, with brass
            cap mkd.
                . 5 32 1 S C in N., and
                   1913 in S. half.
          Dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist. and raise a mound of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high N.
             of cor.
          Thence I run S. 89° 53' W., on a track Along S. bdy. of sec. 32 on W \frac{1}{2} mile
                                                      on a true line
23.60 Old closing cor. of secs. 5 and 6, T. 6 S., R. 13 W., here-inseror described bears S. 1 lk. dist., which I destroy
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Resurvey of the 1st Stand. Parallel S., thru Range 13 West.

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and in the same place
Chains
           Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. the ground for reestablished closing cor. of secs. 5
               and 6 with brass cap mkd.
                                                                        159 R 13 W
                     C C S of center,
                     T 5 S R 13 W in N. half,
                     S 31 in NW, S 32 in NE,
                     S 5 in SE, and
                     S 6 in SW, quadrants,
                     1913 in S. half.
           Dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. of cor. 3 ft. dist., and S. of cor. 7 ft. dist.
               and raise a mound of earth 4 ft. base 2 ft. high S. of
               cor.
            Continue line, S. 89° 53' W., Along S. bdy. of sec.
               32 on W \frac{1}{2} mile.
            Intersect old stand. cor. of secs. 31 & 32, hereinbefore described, which I destroy and reestablish in the same
 40.14
               place as follows:
            Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in
               the ground for standard cor. of secs. 31 and 32, with brass cap mkd.
T 5 S S 31 in NW, and
                     R 13 W S 32 in S C in NE. quadrants,
                     1913 in S. half.
           Dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. of cor., 3 ft. dist., and N. 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
            Land level,
            Soil sandy with gravel.
            Undergrowth greasewood.
            S. 89° 51' W., on a true line on S. bdy. of sec. 31.
           Over level land.
            Intersect the old stand. * sec. cor. of sec. 31, herein-before described, which I destroy and reestablish in
 40, 13
               same place, as follows:
            Set iron post: 3 ft. long, 1 in. in diam. 26 ins. in the ground for std. 4 sec. cor. of sec. 31, with brass
               cap mkd.
                     S 31 \frac{1}{4} S C in N., and
                     1913 in S. half.
            Dig pits 18 \times 18 \times 12 ins. E. and W. of cor. 3 ft. dist. and raise a mound of earth 3\frac{1}{2} ft. base 1\frac{1}{2} ft. high N.
               of cor.
            Thence I run S. 89° 48' W. on a true line
Along S. bdy. S. 31, on W mile. Over level land.
Old closing cor. of Ts. 6 S., Rs. 13 and 14 W., herein-
before described, bears S. 7 lks. dist., which I destroy,
 22,05
               and in the same place
            Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in
               the ground, for reestablished closing cor. of Ts. 6 S., Rs. 13 and 14 W., with brass cap mkd.
                     C C N of center,
                     T 5 S in N. half,
R 14 W S 36 in NW.,
                     R 13 W S. 31 in NE.,
                     S 6 R 13 W in SE, and
S 1 R 14 W, in SW, quadrants.
            1913 in S. half.
Dig pits 30 x 24 x 18 ins. crosswise on each line E. and
               W. of cor. 4 ft. and S. of cor. 8 ft, dist., and raise
               a mound of earth 5 ft. base, 2 ft. high S. of cor.
            Continue S. 89º 48' W., on a true line.
            Along S. bdy of Sec. 31, on W 1 mile.

Intersect old stand. cor. of Ts. 5 S., Rs. 13 and 14 W.,

hereinbefore described, which I destroy and in the same
 40.19
               place
            Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground, for reestablished std. cor. of Tps. 5 S., Rs. 13 and 14 W., with brass cap mkd.
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#### Resurvey of the 1st Stand, Parallel S., thru Range 13 West,

T 5 S in N.half;
R 14 W S 36 in NW.,
R 13 W S 31 in NE quadrants,
1913 in S. half.,

Dig pits 30 x 24 x 18 ins. crosswise on each line E. and
W. 4 ft. dist., and 8 ft. N. of cor., and build a mound
of earth 5 ft. base 2½ ft. high N. of cor.
Land level.
Soil sandy with gravel 3rd rate

Soil, sandy with gravel, 3rd rate. Undergrowth, greasewood.

October 15, 1913.

H. N. Simulfi

#### CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby ce	Tran	sit.man	·
W. K. Kierulff,			
stated opposite our several signatur  NORTH boundary  East, boundary	es, in surveying all tho of Tp.5 South, R. of Tp.5 South, R.	ange 12 West	the
	•		•
and the First Standard			
being the Jou	th boundary of	./p.53. 17./3 W.,	L
of the Gila & Salt River b	oase & Meridian in t	he State of Ar:	izona.
•			
which are represented in the foregoi		-	•
tion; and that said survey has bee	n, in all respects, to th	te best of our knowled	ge and belief, well an
faithfully executed.		•	4
NAME.	PERIOD O	F SERVICE.	CAPACITY.
	Begun.	Ended.	
W. J. Tavenner	June 2, 1913	Óct. 15, 1913	lst. Chainman
DDV+ nion		Oct. 15, 1913	2nd. Chainman
Bull			
Juny Hansen		Oct. 15, 1913	Flagman.
Julius Isron	June, 2, 1913	Oct. 15, 1913	Moundman.
	-		
·			
•	-		
	 	·	
	1	1	l.

Subscribed and certified to before me on the dates of the final service as shown above.

6-2764

10 (13.5)

## TRANSITMAN FINAL OATH OF UNITED STATES SURVEYOR.

T W. K. Kierulff.	Transitman, U. S. Standard, do solemnly swear that, in pursuance
of special instructions received from the U. S. Surv	veyor General for Arizona, For Group 28
bearing date of the 36 th day of February	gary , 1913, I have well, faithfully, and truly,
and the contract of the contra	ty with said instructions, the Manual of Surveying
Instructions, and the laws of the United States, su	
Morth houndary of Township	5 South, Range 12 West
Fort houndary of Mownshi	ip 5 South, Range 13 West.
	South, through Range 13 West.
<b>\</b>	
	of the Gila & Salt
•	the control of the co
	Arizona, which are represented in
	by me, and under my direction; and I do further
	have been established and perpetuated in strict accord-
	d the special written instructions of the U. S. Surveyor
,	ne specific manner described in the field notes, and that
the foregoing are the original field notes of such su	rvey.
	Il Nisnell.
	II S STATE
	Transitman.
Subscribed by said W.K. Kierulff	, and sworn to before me)
Subscribed by said W.K.Kieruff this 7th day of March	
•	
	Chair & ngalls
& SEAL	SURVEYOR-GENERAL OF ABIZONA
>>>>>	
	<u> </u>
APPF	ROVAL.
· OFFICE OF T	THE UNITED STATES SURVEYOR GENERAL,
	Phoenix Arizon DECEMBER 1, 1914
The foregoing field notes of the RESURVEY	OF
part of the North bac	undary of Tp.55.R.12W.
the Fast bound	ary of Tp.55.R13W
and the 1st Standard Parallel S. thru	, R.13W. (being the South bdy of T.55. R.13W.,
of the Gila and Salt River Base and Me	eridian in the State of Arizana
of the sua and sail if their buse and the	1101an 11.1116 Dia 16 19 1.11. 1.101.101.
<u>•</u>	
14/12/1/TOWER 11 CT	··
executed by W. K. KIERULFF, U.S. Train	nsii man
under bis special instructions dated february	26,1913 For Group 28, 191 , having been
critically examined, and the necessary corrections	s and explanations made, the said field notes, and the
surveys they describe, are hereby approved.	Thank I Ingalls
	Jank Kangara. <del>D.S.</del> Surveyor General.
	OF ARIZONA
-I certify that the foregoing transcript of the fi	eld notes of the above-described surveys in
, has been correct	ly copied from the original notes on file in this office.
	ield notes of the above-described surveys in

U. S. Surveyor General.