

Book "A"  
Resurvey Exterior

BOOK 2735

# FIELD NOTES

	Pages
Retracement	
and Resurvey of West boundary of Township 6 South, Range 5 East,	2-5
Frac. Resurvey of West " " " 12 South, Range 14 East,	7-8
Frac. " " South " " " 9 South, Range 14 East,	9-10
Retrcmt & " " West " " " 10 South, Range 14 East,	9&11-13
Frac. Retracement South " " " 9 South, Range 14 East,	14-15
Frac. " " East " " " 9 South, Range 14 East,	16
Retracement & Resurv. West " " " 8 South, Range 16 East,	17-20
Resurvey West " " " 7 South, Range 16 East,	21-23
Retracement, Resurvey & Survey West " " " 12 South, Range 12 East,	25-26
" & Resurvey North " " " 12 South, Range 11 East,	27-28
Frac. Retracement North " " " 13 South, Range 11 East,	29
Resurvey East " " " 12 South, Range 10 East,	29-31
Retracement & " North " " " 13 South, Range 9 East,	33-35
Retracement East " " " 13 South, Range 9 East,	36
Frac. Retracement & Resurvey West " " " 12 South, Range 9 East,	<del>37-40</del>
Retracement & " South " " " 11 South, Range 9 East,	39&41-44
Resurvey West " " " 10 South, Range 9 East,	45-47
Retracement & Resurvey South " " " 9 South, Range 8 East,	48-50
Frac. " " West " " " 9 South, Range 8 East,	48
Retracement & " South " " " 8 South, Range 9 East,	51-54
Frac. Retracement East " " " 8 South, Range 9 East,	51
Retracement & Resurvey East " " " 8 South, Range 8 East,	55-57
Frac. " " " East " " " 7 South, Range 8 East,	58-61
Frac. " " " South " " " 6 South, Range 8 East,	58
Frac. " " " South " " " 6 South, Range 9 East,	58-64
Retracement " " North " " " 8 South, Range 8 East,	65-67
" " Resurv. East " " " 7 South, Range 7 East,	68-70
Retracement & " South " " " 6 South, Range 8 East,	71-74

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Jesse B. Wright,

and

William H. Elliott,

In the capacity of U. S. Surveyors, under instructions dated May 28, 1913,

issued by the United States Surveyor General to govern surveys included in

Group No. 30, which were approved by the Commissioner of the General Land

Office, June 6th, 1913, pursuant to authority contained in the Act of

August 23, 1912, and

Congress dated June 23, 1913.

Retracements and

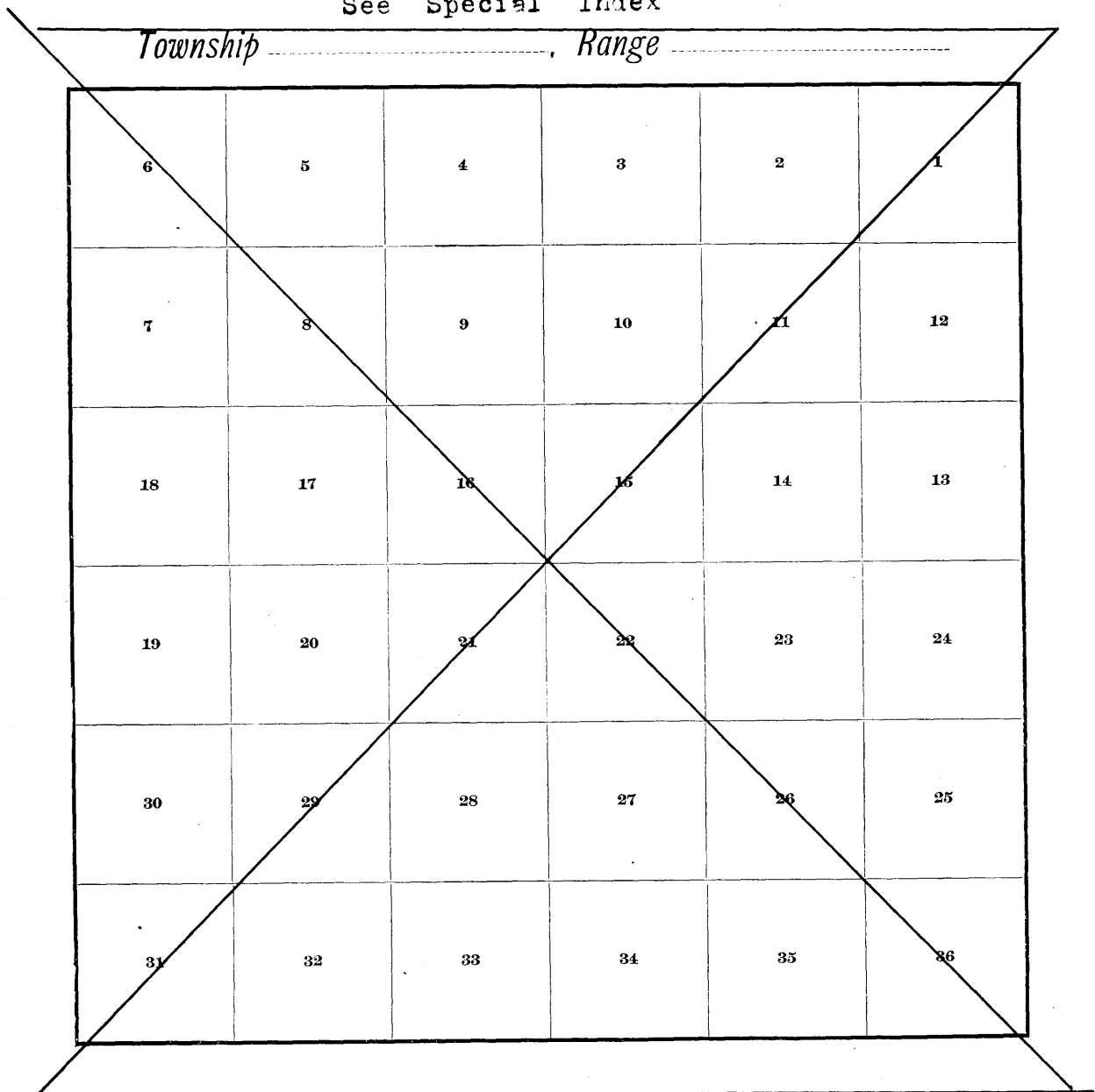
Re-Survey commenced June 23rd, 1913.

Retracements and

Re-Survey completed Nov. 10th, 1913.

# INDEX DIAGRAM.

See Special Index

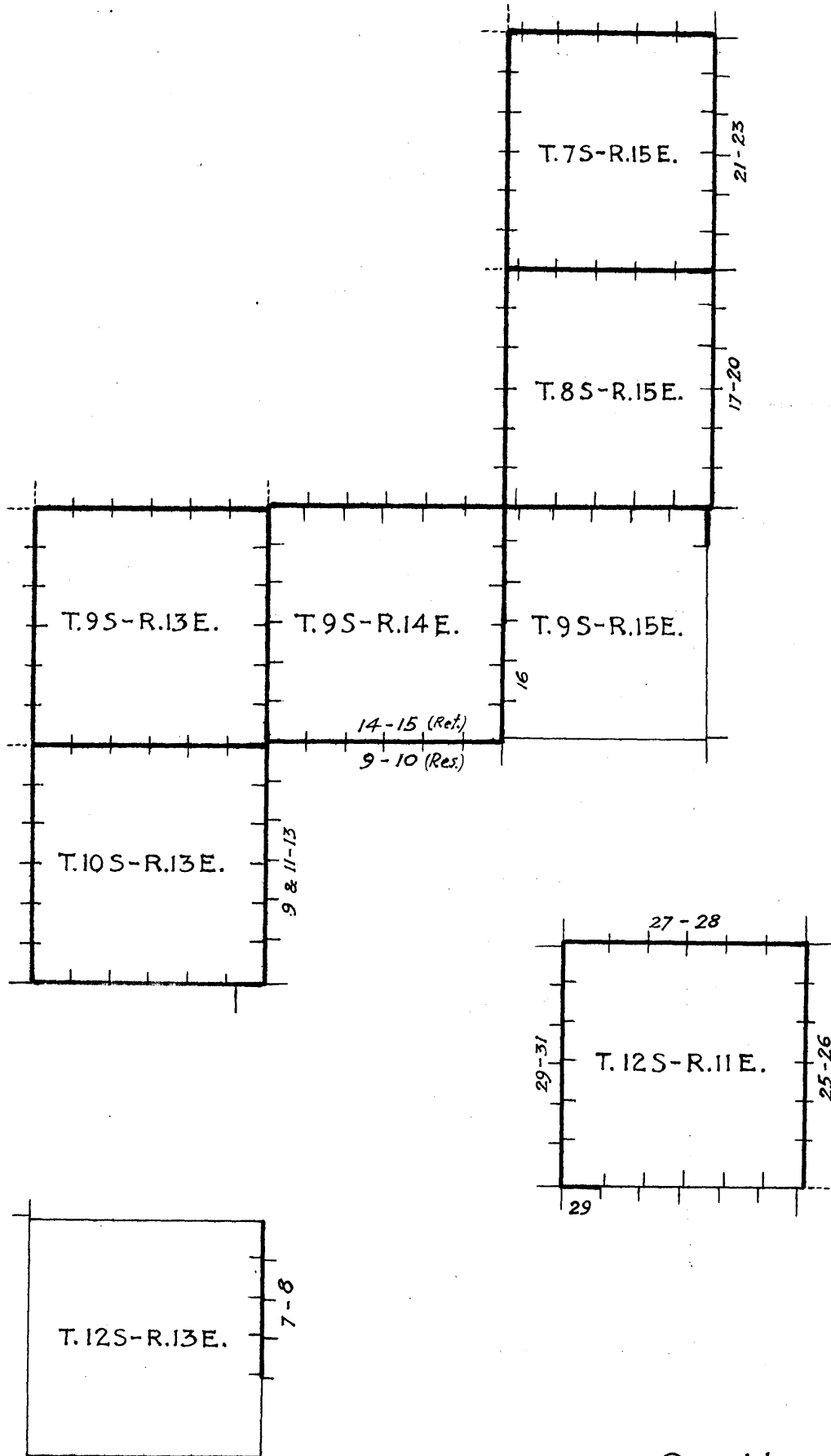


# INDEX DIAGRAM

Gp. 30-Ariz.

BOOK 2735

- Exterior lines to be found in this Book - (Indexed)
- " " " " " " " " Book "C" - this group 2737
- " " " " " " " " "B" " " 2736
- Previous Surveys



See Next Page

II (13)

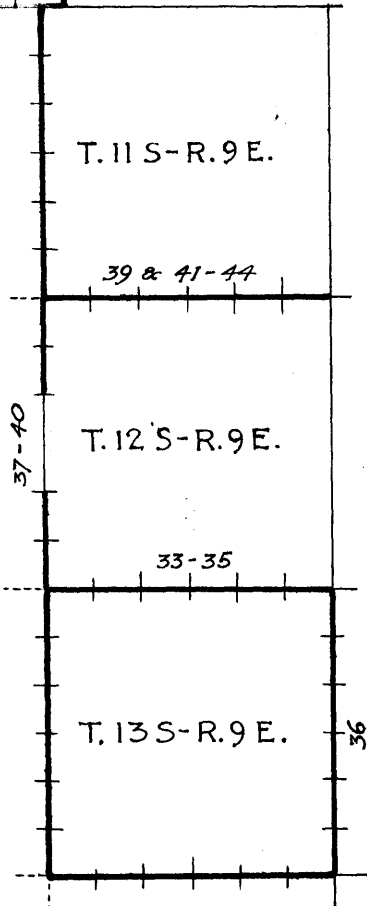
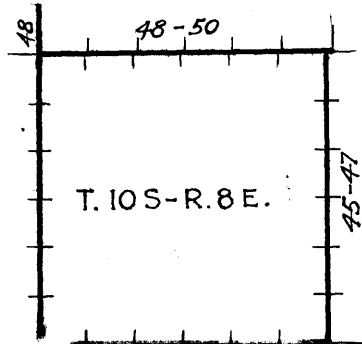
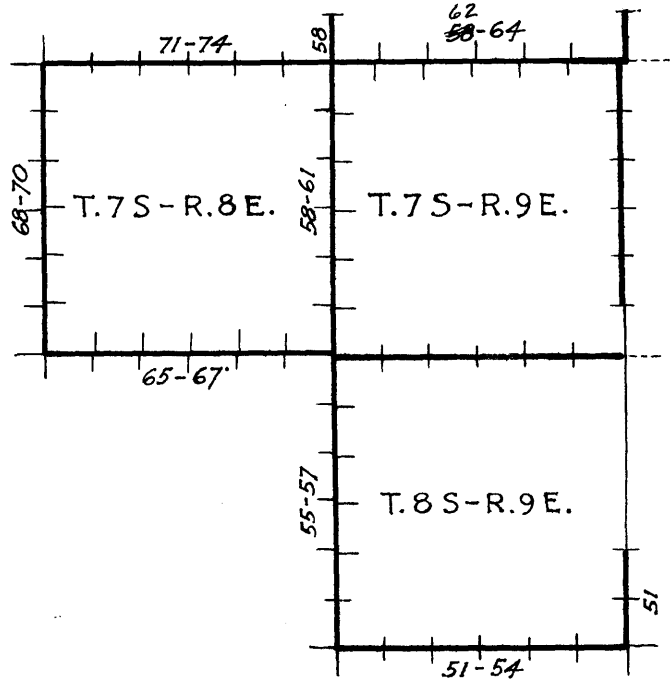
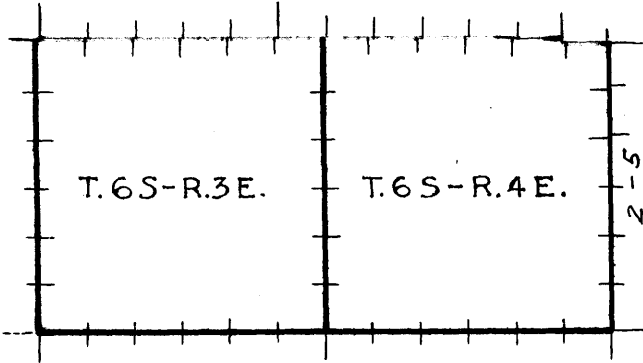
(Continued)

BOOK 2735

Book "A"

INDEX DIAGRAM

Gp. 30





- Chains. Surveys under Group No. 30, Arizona, commenced June 23, 1913, and executed jointly by Jesse B. Wright and William H. Elliott, U. S. Surveyors, Wright using transit No. 8145, Elliott using transit No. 8492, with transit No. 6460 for emergencies, all instruments being light mountain transits made by Young & Son's, the horizontal limbs having two double verniers placed opposite to each other, each vernier reading to single minutes of arc, which is also the least reading of the verniers of the latitude and declination arcs of the solar attachments, (which are Smith's patent solar attachments, placed on side of instruments).
- For convenience in tests the instruments are designated by their respective numbers, 8145, 8492, and 6460.
- At 11h 45m a.m., at our temporary camp, which is located near the Standard Corner of Tps. 5 S., Rs. 3 & 4 E., Lat.  $32^{\circ}56'28''$ N., long.  $111^{\circ}59'48''$ W., we examine, test and adjust the levels, the standards, the lines of collimation of the transits, and also the latitude arcs, the solar lines and lenses of the solar attachments.
- Then, in order to test the solar apparatus, by comparing the results of observations on the sun, made during a.m. & p.m. hours, with a true meridian determined by observations on Polaris, we proceed as follows :-
- At 12h 01m 51" l.m.t., we set off  $23^{\circ}26\frac{1}{2}'$  N. on the decl. arcs, and observe the sun on the meridian.
- The resulting latitude as given by each instrument is  $32^{\circ}57'$  N., (our camp being somewhat north of the 1st Standard Parallel South, as developed later); this result showing that the relative adjustments of the verniers of the latitude and declination arcs is correct.
- At 3h p.m., l.m.t., we set off  $23^{\circ}27'$  N. on the decl. arcs, and our observed lat.  $32^{\circ}57'$  N. on the lat. arcs, and determine meridians with the solars, and mark the meridians thus determined by small tacks in a stake driven firmly in the ground 5 chs. N. of our station, marked a, b, and c, for transits 8145, 8492, and 6460 respectively.
- At 7h 22m p.m., l.m.t., we observe Polaris at lower culmination, and mark the meridian thus determined by a tack in the stake 5 chs. N. of our station, marked this point P.
- June 23, 1913.
- June 24, 1913.
- At 4h a.m., l.m.t., we make an observation on Polaris with each instrument, and by calculation deduce as follows :
- Polaris at Upper culmination this day at 7h 20m a.m.  
 Time of observation of Polaris,  $\frac{4h}{3h\ 20m.}$  a.m.  
 Hour angle of Polaris at observation,  $\frac{4h}{3h\ 20m.}$ , which reduced to degrees =  $50^{\circ}$
- Azimuth of Polaris at elong. this day, at this lat. =  $1^{\circ}23'$  = 83 minutes.  $\sin. 50^{\circ} \times 83' = 62.6'$  = azimuth of Polaris at 4h a.m., time of observation, which azimuth agrees with the tabulated azimuth from Ephemeris. Therefore, from our line of observation we set off  $62.6'$ , or  $1^{\circ}02\frac{1}{2}'$  to the west, and find that this meridian agrees with that determined by observation of Polaris on preceding evening, point on stake 5 chs. N., marked P., which point falls .40 ins. W., .40 ins. W., and .60 ins. W., respectively of points a, b & c.
- At 7h a.m., l.m.t., we set off  $23^{\circ}26\frac{1}{2}'$  N. on the decl. arcs, and  $32^{\circ}57'$  N. on the lat. arcs, and determine meridians with the solars, and mark the meridians thus determined by tacks in the stake 5 chs. N. of our station, which points falls .60 ins. W., .50 ins. W., and .75 ins. E. of of true meridian as established from Polaris, for 8145, 8492, and 6460 respectively. Therefore by p.m. & a.m. observations the transits give respective results;
- 8145, 20" E., and 30" W. of true meridian.,  
 8492, 20" E., and 26" W. of true meridian.,  
 6460, 30" E., and 40" E. of true meridian.; therefore from these observations, we conclude that the instruments are in satisfactory adjustment.

Note:- In following notes the initials J. B. W. or W. H. E. designate lines run by Wright and Elliott, respectively.

2 Retracement of West Boundary of T. 6 S., R. 5 E.

Chains.	W. H. E.
	<p>June 27, 1913.            Before beginning the subdivision of T. 6 S., R. 4 E., I deem it advisable to retrace the W. bdy. of T. 6 S., R. 5 E., and test the measurement and alinement thereof, I begin at the original closing cor. of Tps. 6 S., Rs. 4 &amp; 5 E., which is an old stake as described by the Surveyor General.            At this cor., at 8h a.m., l.m.t., I set off 23°21' N. on the decl. arc, and 32°56½' N. on the lat. arc, and determine a meridian with the solar. Thence I retrace, as per field notes furnished by the Surveyor General, South, on range line, bet. secs. 1 &amp; 6, on a random line.</p>
42.47	<p>The orig. ¼ sec. cor. brs. West, 65 lks. dist., which is an old stake, marked and witnessed as described by the Surveyor General.</p>
82.78	<p>The orig. cor. of secs. 1, 6, 7 &amp; 12, brs. West, 128 lks. dist., which is an old stake marked and witnessed as described by the Surveyor General. True course &amp; dist. of mile is N.0°53'E., 82.79 chs. ---</p>
	<p>Thence I run, South, bet. secs. 7 &amp; 12, on random line.</p>
40.00	<p>No trace of orig. ¼ sec. cor. found after diligent search.</p>
80.43	<p>The orig. cor. of secs. 7, 12, 13 &amp; 18 brs. West, 58 lks. dist., which is an old post, marked and witnessed as described by the Surveyor General. True course &amp; dist. of mile is N.0°25'E., 80.43 chs.</p>
	<p>Thence I run, South, bet. secs. 13 &amp; 18, on a random line,</p>
40.23	<p>The orig. ¼ sec. cor. brs. East, 74 lks., an old post, marked and witnessed as described by Surveyor General. True course &amp; dist. of ½ mile is N.1°3'W., 40.24 chs.</p>
80.83	<p>The orig. cor. of secs. 13, 18, 19 &amp; 24 brs. East, 176 lks. dist., which is an old post, badly decayed, as described by the Surveyor General. True course &amp; dist. of ½ mile is N.1°26'W., 40.61 chs.</p>
	<p>Thence I run, South, bet. secs. 19 &amp; 24, on a random line.</p>
40.00	<p>The orig. ¼ sec. cor. brs. West, 12 lks., an old post, marked and witnessed as described by Surveyor General. True course &amp; dist. ½ mile is N.0°10'E., 40.00 chs.</p>
79.90	<p>The orig. cor. of secs. 19, 24, 25 &amp; 30 brs. West, 32 lks. dist., which is an old post, marked and witnessed as described by the Surveyor General. True course &amp; dist. of this ½ mile is N.0°17'E., 39.90 chs. -</p>
40.16	<p>Thence I run, South, bet. secs. 25 and 30, on a random line. Find evident traces orig. ¼ sec. cor. 10 lks. W. of line; portion of old decayed stake marked as described by the Surveyor General. True course &amp; dist. of this ½ mile is N.0°9'E., 40.16 chs.</p>
80.14	<p>Remains of orig. cor. of secs. 25, 30, 31 &amp; 36, brs. West, 35 lks. dist., which is an old post, badly decayed, mkd., as described by the Surveyor General. True course &amp; dist. of this ½ mile is N.0°21'E., 39.98 chs.</p>
	<p>Thence I run, South, bet. secs. 31 &amp; 36, on a random line.</p>
40.04	<p>The orig. ¼ sec. cor. brs. East, 1 lk. dist. an old post marked and witnessed as described by the Surveyor General. True course and dist. this ½ mile is N.0°1'W., 40.04 chs.</p>
80.28	<p>The orig. cor. of Tps. 6 &amp; 7 S., Rs. 4 &amp; 5 E. brs. East, 4 lks. dist., which is a mesquite post, well preserved, marked and witnessed as described by the Surveyor General. True course &amp; dist. this ½ mile is N.0°3'W., 40.24 chs. This corner being well marked and in a good state of preservation, I leave post undisturbed, and dig pits 24x24x12 ins. on each line, E., W., and N. of cor. cor. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high S. of cor. No bearings available.</p>
	<p>Several of the orig. corners on this line being destroyed and the others in a very dilapidated condition, from the above data I calculate the true bearings, and from the above described cor. of Tps. 6 &amp; 7 S., Rs. 4 &amp; 5 E., I run, on true line of re-survey,</p>

Resurvey of West bdy. of Township 6 South, Range 5 East. 3

Chains.

40.24 N. 0° 3' W., bet. secs. 31 and 36.  
 Over rolling land, through dense greasewood and mesquite brush. Var. 13° 50' E.  
 Old  $\frac{1}{4}$  sec. cor. hereinbefore described, which I destroy, and in original position of cor., reestablish as follows:  
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 36 in W., and  
 S 31 in E. half;  
 1913 near S. rim;  
 dig pits 18x18x12 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.

40.04 Thence I run, N. 0° 1' W., on true line, N $\frac{1}{2}$  mile bet. secs. 31 & 36.  
 Old  $\frac{1}{4}$  sec. cor. hereinbefore described, which I destroy, and in original position of cor. set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap,  
 T 6 S in N. half;  
 1913 near S. rim,  
 R 4 E S 25 in NW., R 5 E S 30 in NE.,  
 S 31 in SE., and  
 S 36 in SW. quadrant;  
 dig pits 18x18x12 ins., in each sec. 5 $\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.

Land, rolling.  
 Soil, 2nd rate, sandy, gravelly, loose, dry.  
 Mesquite brush, greasewood, sage brush, cacti, sparse grass.  
 At this cor. at noon, I set off 23° 20 $\frac{1}{2}$ ' N. on the decl. arc; and observe the sun on the meridian. The resulting lat. is 32° 52' N.

.24 N. 0° 21' E., bet. secs. 25 and 30, over rolling valley, through dense greasewood and other brush.  
 25.00 Dim road brs. WNW. and ESE.  
 39.98 Road brs. NW. and SE.  
 Old  $\frac{1}{4}$  sec. cor. hereinbefore described, which I destroy, and in original position of cor., reestablish as follows:  
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 25 in W., and  
 S 30 in E. half;  
 1913 near S. rim;  
 dig pits 18x18x12 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, west of cor.

40.16 Thence I run,  
 N. 0° 9' E, on true line, bet. secs. 25 & 30, N $\frac{1}{2}$  mile.  
 Old  $\frac{1}{4}$  sec. cor. hereinbefore described, which I destroy, and in original position of old cor.,  
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked on brass cap,  
 T 6 S in N. half;  
 1913 near S. rim,  
 R 4 E S 24 in NW.,  
 R 5 E S 19 in NE.,  
 S 30 in SE., and  
 S 25 in SW. quadrant;  
 dig pits 18x18x12 ins., in each sec. 5 $\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.

No bearings available.  
 Land, rolling.  
 Soil, 2nd rate, gravelly, dry.  
 Greasewood, sage brush.

4. Resurvey of West bdy. of Township 6 South Range 5 East.

Chains.

N. 0° 17' E., bet. secs. 19 and 24.  
Over rolling land, through dense brush.  
1.00 Road to Casa Grande brs. ENE. and WSW.  
39.90 Old  $\frac{1}{4}$  sec. cor. hereinbefore described, which I destroy and  
In original position of old cor.,  
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{2}$  S 24 on W., and  
S 19 in E. half;  
1913 in S. rim;  
dig pits 18x18x12 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,  
west of cor.  
40.00 Thence I run, N. 0° 10' E., on true line, bet. secs. 19 & 24,  $N\frac{1}{2}$  mile  
Old  $\frac{1}{4}$  sec. cor. hereinbefore described, which I destroy, and  
In original position of old cor. reestablished as follows:  
Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in  
the ground for cor. of secs. 13, 18, 19 and 24, marked on  
brass cap,  
T 6 S in N. half;  
1913 near S. rim;  
R 4 E S 13 in NW.,  
R 5 E S 18 in NE.,  
S 19 in SE., and  
S 24 in SW. quadrant;  
dig pits 18x18x12 ins., in each sec.  $5\frac{1}{2}$  ft. dist., and  
raise a mound of earth 4 ft. base, 2 ft. high, west of  
cor.  
Land, rolling.  
Soil, 2nd rate, sandy gravelly, loose, dry.  
Mesquite brush, greasewood, sage brush, cacti, sparse  
grass.

N. 1° 26' W., bet. secs. 13 and 18.  
Over rolling land, through dense brush.  
40.61 Old  $\frac{1}{4}$  sec. cor. hereinbefore described, which I destroy, and  
In orig. position of cor., reestablish as follows:  
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{2}$  S 13 in W., and  
S 18 in E. half;  
1913 near S. rim;  
dig pits 18x18x12 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, west of  
cor.

40.24 Thence I run, N. 1° 03' W., on true line, bet. secs. 13 & 18,  $N\frac{1}{2}$  mile  
Old cor. of secs. 7, 12, 13 and 18, hereinbefore described,  
which I destroy, and it being evident from the excess  
distance that closing corners will be necessary on a  
portion of this line when subdividing T. 6 S., R. 4 E.,  
I reestablished this cor. in orig. position of old cor. to  
refer to secs. 7 and 18 only, as follows:  
Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the  
ground for cor. of secs. 7 and 18, marked on brass cap,  
T 6 S in N. half; and  
R 4 E S 12, S 13 in W. half;  
1913 near S. rim;  
S 7 in NE., and  
R 5 E S 18 in SE. quad.;  
dig pits 24x24x12 ins. in each sec. 6 ft. dist., and  
raise a mound of earth 4 ft. base, 2 ft. high, E. of cor.  
Land, rolling.  
Soil, 2nd rate, sandy, gravelly, dry, loose.  
Mesquite and sage brush, greasewood, cacti; fair grass.

Chains.	N. 0° 25' E., bet. secs. 7 & 12. Over rolling land, through dense brush.
20.70	Wash, 15 lks. wide, course SW.
40.215	Re-establish $\frac{1}{4}$ sec. cor. as follows: Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 12 in W., and S. 7 in E. half; 1913 near S. rim; dig pits 18x18x12 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 E. of cor.
57.93	Road brs. WNW. and ESE.
80.43	Old sec. cor., hereinbefore described, which I destroy, and in original position of old cor., reestablish as follows: Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 6 & 7, marked on brass cap, T 6 S, in N., and R 4 E S 1, S 12 in W. half, 1913 near S. rim, S 6 in NE., and S 7, R 5 E, in SE. quad.; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high E. of cor.
	Land, rolling. Soil, 2nd rate, gravelly, sandy, loose, dry. Greasewood, sage brush, fair grass.
	N. 0° 53' E., bet. secs. 1 & 6. Over rolling land, desc. gently, through dense brush.
34.00	Wash, 12 lks. wide, course NW.
36.70	Wash, 30 lks. wide, course NW.
39.70	Wash, 50 lks. wide, course NW., middle of Quijotoa Draw, ( <u>Not</u> Santa Cruz River Wash, as erroneously stated in orig. notes of this line.
40.31	Old $\frac{1}{4}$ sec. cor., hereinbefore described, which I destroy, and Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 in E., and S 1 in W. half; 1913 near S. rim; dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high E. of cor.
46.01	Leave draw, asc. gently, through dense mesquite.
82.79	To orig. closing cor. of Tps. 6 S., Rs. 4 & 5 E., hereinbefore described. This cor. being in a dilapidated condition, I destroy, and at the original corner point, I reestablish as follows: Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 6 S., Rs. 4 & 5 E., marked on brass cap, C C, S. of centre, T 5 S R 5 E, S 31, S 32, in N., and T 6 S, in S. half, 1913 near S. rim, R 5 E S 6 in SE., and R 4 E S 1 in SW. quad.;
	No bearings available. Dig pits 30x24x12 ins., crosswise on each line, E. & W. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base $2\frac{1}{2}$ ft. high S. of cor. Std. cor. of secs. 31 & 32, T. 5 S., R. 5 E., brs. West, 130 lks. dist., which is an old post, marked and witnessed as described by the Surveyor General, (Later replaced with iron post 3 ins. diam., etc.) as described in Book "B."

June 27, 1913.  
W. H. E.

General Description.

The West boundary of T. 6 S., R. 5 E., as resurveyed by me runs over a rolling, broken valley, draining to the Northwest.

The soil is a good sandy loam, gravelly in places, with some clay underlying, and would produce well if watered.

There is no water or timber on or near the line.

June 27, 1913.

*William H. Elliott*

U. S. Surveyor.

## Chains.

J. B. W.

July 16, 1913.

At 8h a.m., l.m.t., at the cor. of secs. 19 & 30, of west bdy. of T. 12 S., R. 14 E., which is a granite stone 9x7x5 ins. above ground, marked and witnessed as described by the Surveyor General, I set off  $21^{\circ}25\frac{1}{2}'$  N. on the decl. arc, and  $32^{\circ}22\frac{1}{2}'$  N. on the lat. arc, and determine a meridian with the solar., Thence I retrace, in order to find true bearings, North, on W. bdy. of sec. 19, as per field notes furnished by the Surveyor General, Over mts., broken land, along broken W. slope, through dense cacti, catclaw,  
Var.  $13^{\circ}35'$  E.

- 0.98 Find closing cor. of secs. 24 & 25, of T. 12 S., R. 13 E., on line, which is a granite stone 12x8x6 ins. above ground, marked and witnessed as described by the Surveyor General.
- 1.00 Spur, brs. WSW. & ESE., desc. NW. slope.
- 7.30 Gulch, 30 lks. wide, course WNW., asc. steep.
- 11.28 Spur, brs. ESE. & WNW., from E., desc. steep.
- 18.80 Gulch, 30 lks. wide, course WSW., asc.
- 22.50 Spur, brs. WNW. & ESE., desc. steep.
- 32.00 Gulch, 25 lks. wide, course NW.,
- 38.95 The orig.  $\frac{1}{4}$  sec. cor. brs. West, 12 lks. dist., which is a granite stone 12x6x6 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I change to refer to sec. 19 only, by destroying the SW. B. T., and building mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
The true bearing of this  $\frac{1}{2}$  mile is N.  $0^{\circ}10'$  W. 38.95 chs.  
Thence I run,  
North, on random line,
- 1.55 Wash, 100 lks. wide, course W.
- 25.65 Wash, 30 lks. wide, course NW.
- 40.38 The orig. cor. of secs. 13, 18, 19 & 24 brs. East, 2 lks. dist., which is a granite stone 12x8x6 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I change to refer to secs. 18 & 19, of T. 12 S., R. 14 E., only, by destroying the SW. & NW. bearing trees, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
The true bearing of this  $\frac{1}{2}$  mile is N.  $0^{\circ}02'$  E., 40.38 chs.  
Land, broken, mts.  
Soil, 3rd rate, stony, gravelly, dry.  
Mesquite, cacti, catclaw, fair grass, paloverde.
- 
- North, on W. bdy. of sec. 18, from old cor., on random line.  
Over broken land, through dense brush, NW. slope.
- 24.00 Desc.
- 31.50 Enter draw, course NW.
- 33.40 Telephone line, brs. NNE. & SSW., Tucson to Oracle.
- 39.20 Wash, 50 lks. wide, course NW.
- 39.75 The orig.  $\frac{1}{4}$  sec. cor. brs. West, 2 lks. dist., which is a granite stone 12x8x6 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I change to refer to sec. 18 only, by destroying the SW. bearing tree, and build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
The true bearing of this  $\frac{1}{2}$  mile is N.  $0^{\circ}02'$  W. 39.75 chs.  
Thence I run, from old cor.,  
North, on random line.
- 12.25 Wash, 50 lks. wide, course W.
- 14.75 Leave draw, asc. steep.
- 20.75 Spur, brs. WNW. & ESE., desc.
- 30.25 Enter valley of Canada del Oro, brs. ENE & WSW.
- 37.00 Main road, Tucson to Oracle, brs. NNE. & SSW.
- 39.65 The orig. cor. of secs. 7, 12, 13 & 18, on line, which is a granite stone 12x8x6 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I change to refer to secs. 7 & 18 only, by destroying the SW. & NW. bearing trees, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
Land, broken, Soil, 3rd rate, gravelly, Mesquite, cactos.

TRUE BEARING OF THIS 1/2 MILE

IS NORTH 39.65 CHS.

## 8 Resurvey of portion of West Boundary of T. 12 S., R. 14 E.

Chains.	North, on W. bdy. of sec. 7, on random line. Over narrow valley, fine sandy loam, through scattering mesquite.
28.00	Enter wash, course SW., also dense brush, brs. E. & W.
38.00	Leave wash, of Candda del Oro,
40.00	The orig. $\frac{1}{4}$ sec. cor. brs. East, 2 lks. dist., as relocated by the original bearing trees, the stone cor. as called for in orig. notes not being found. Set a mesquite post 3 ft. long, $\frac{1}{4}$ ins. in diam. squared at top, 24 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 7, marked $\frac{1}{4}$ S 7 on E. face, from which, A paloverde tree 12 ins. diam. brs. S. 7° E. 84 lks. dist., already marked $\frac{1}{4}$ S 7 B T., (orig. bearing tree. raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high E. of cor. destroy the orig. NW. bearing tree. True bearing of this half mile is N. 0° 2' E., 40.00 chs.
	Thence I run, through very dense cholla cacti,
	North, on random line.
4.00	Leave valley, brs. NE. & SW., asc. steep.
8.00	Spur, brs. ESE. & WNW., desc.
15.00	Enter broken draw, dense cact. catclaw, mesquite.
39.70	The orig. cor. of secs. 1, 6, 7 & 12 brs. West, 5 lks. dist., which is a granite stone 10x8x5 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I change to refer to secs. 6 & 7 of T. 12 S., R. 14 E., only, by destroying the NW. bearing tree, and remains of pits; dig pits 24x24x12 ins., in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high E. of cor. True bearing of this $\frac{1}{2}$ mile is N. 0° 04' W. 39.70 chs. Land, broken, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, catclaw, cacti, paloverde. At this cor., at noon, clouds obscure the sun, impracticable to observe the lat.
	North, on west bdy. of sec. 6, on random line. Over broken, rolling land, through dense brush, cacti.
4.50	Leave draw, course SSE., asc. grad.
39.82	The orig. $\frac{1}{4}$ sec. cor. brs. East, 6 lks. dist., which is a granite stone 10x8x6 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I change to refer to sec. 6 only, by destroying the NW. bearing tree, and remains of mound to W., dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high E. of cor. The true bearing of this $\frac{1}{2}$ mile is N. 0° 05' E., 39.82 chs.
	Thence I run,
	North, on random line.
20.90	Road, brs. ESE. & WNW., desc. grad.
39.82	The orig. cor. of Tps. 11 & 12 S., Rs. 13 & 14 E. brs. East, 12 lks. dist., which is a granite stone 12x10x5 ins. above ground, marked and witnessed as described by the Surveyor General. The true bearing of this $\frac{1}{2}$ mile is N. 0° 10' E., 39.82 chs. From the above cor., A high peak on N. end of Catalina Mts. brs. N. 69° 31' E. A sharp crag on N. side of peak near S. end of same mts., brs. S. 48° 05' E. Land, broken, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, catclaw, very dense cholla cacti.
	General Description. The portion of W. bdy. of T. 12 S., R. 14 E. as retraced by me runs over rolling, broken land, well covered with mesquite, catclaw, paloverde, cacti, sparsely grassed. There is no water or timber along the line.
	For traverse of N. portion of T. 12 S., R. 13 E., see book "C," of boundaries, page 30.
	July 16, 1913.
	<i>Jesse B. Wright</i> U. S. Surveyor.



Retracement of West Boundary of T. 10 S., R. 14 E. 9  
and portion of South bdy. of T. 9 S., R. 14 E.

W. H. Elliott.

Chains.

July 23, 1913.

Before beginning the subdivision of T. 10 S., R. 13 E., in order to test the measurement and alinement of the W. bdy. of T. 10 S., R. 14 E., I proceed as follows :-  
At 8h a.m., l.m.t., at the Std. cor. of Tps. 10 S., Rs. 13 & 14 E., which is a post 4x4 ins., 3 ft. above ground, properly marked and witnessed as described by the the Surveyor General,  
Lat.  $32^{\circ}30'25''$  N., Long.  $110^{\circ}56'39''$  W.,  
I set off  $20^{\circ}09'$  N. on the decl. arc, and  $32^{\circ}30\frac{1}{2}'$  N. on the lat. arc, and determine a meridian with the solar. Thence I retrace,  
North, on range line, bet. Rs. 13 and 14 E. in T. 10 S. setting temp. cors. at intervals of 40 chs., and making diligent search at these points for the orig. corners as described by the Surveyor General.  
I project this line for a distance of six miles, finding no trace of the original corners.

Retracement of part of South Bdy. of T. 9 S., R. 14 E.

158.85 Thence from my six mile point, I run, on S. bdy. of T. 9 S. R. 14 E. S.  $89^{\circ}57'$  E., on a random line, setting temp. corners at proper intervals. No trace of old cors. until at The cor. of secs. 4, 5, 32 & 33, on S. bdy. of T. 9 S., R. 14 E., brs. North, 5.64 chs. dist., which is a granite stone 10x10x4 ins. above ground, marked and witnessed as described by the Surveyor General.  
----- July 23, 1913.

Resurvey of portion of S. bdy. of T. 9 S., R. 14 E.

July 24, 1913.

At 8h a.m., l.m.t., at the cor. of secs. 4, 5, 32 & 33, on S. bdy. of T. 9 S., R. 14 E., as above described, I set off  $199^{\circ}56\frac{1}{2}'$  N. on the decl. arc, and  $32^{\circ}35\frac{1}{2}'$  N. on the lat. arc, and determine a meridian with the solar. Thence I run, on a true line, N.  $89^{\circ}57'$  W., as per field notes furnished by the Surveyor General.

40.00 bet. secs. 5 & 32.  
Over rolling land, scattering mesquite, good grass. Re-establish  $\frac{1}{4}$  sec. cor., as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 32 in N., and  
S 5 in S. half; 1913 near S. rim ;  
dig pits 18x18x12 ins. E. & 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.  
77.00 Wash, 20 lks. wide, course SSW.

80.00 Find traces of orig. cor. Destroy same, and reestab. cor. as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 9 S in N.,  
T 10 S in S., and  
R 14 E, in W. half, 1913 near S. rim,  
S 31 in NW.,  
S 32 in NE.,  
S 5 in SE., and  
S 6 in SW. quad.;  
dig pits 18x18x12 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.  
Land, rolling.  
Soil, 3rd rate, sandy, gravelly, dry.  
Scattering mesquite, cacti, good grass.

10

Resurvey of portion of S. bdy. of T. 9 S., R. 14 E.

Chains.

- From the cor. of secs. 5, 6, 31 & 32, I run,  
N.  $89^{\circ}57'$  W., on a true line bet. secs. 6 & 31.  
Over rolling land, through scattering mesquite and  
cacti.
- 22.00 Wash, 20 lks. wide, course S.  
32.00 Wash, 30 lks. wide, course S.  
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the  
the ground for reestablish  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 31 in N., and  
S 6 in S. half; 1913 near S. rim ;  
dig pits 18x18x12 ins. E. & 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.  
No trace of the orig.  $\frac{1}{4}$  sec. cor. found.
- 78.84 My six mile point on random line from S., brs. South,  
5.64 chs. dist.
- 79.40 Re-establish cor. of Tps. 9 & 10 S., R. 14 E., at this point,  
(This being the distance called for in the original field  
notes, measured from nearest established cor.) as follows:  
Set an iron post 3 ft. long, 5 ins. in diam. 24 ins. in  
the ground for cor. of Tps. 9 & 10 S., R. 14 E.,  
marked on brass cap, 1913 near S. rim,  
R 14 E, in E., and R 13 E,  
T 9 S, S 36, T 10 S, S 1, in W. half,  
T 9 S, S 31 in NE., and  
T 10 S, S 1 in SE., quad.; from which,  
A mesquite tree 10 ins. diam. brs. N.  $89\frac{1}{2}^{\circ}$  E. 65 lks. dist.,  
marked T 9 S R 14 E S 31 B T.  
A mesquite tree 8 ins. diam. brs. S.  $52\frac{3}{4}^{\circ}$  E. 115 lks. dist.,  
marked T 10 S R 14 E S 6 B T.  
dig pits 36x24x12 ins., crosswise on each line,  
N. & W., 4 ft., and E. of cor. 8 ft. dist.,  
raise a mound of earth 5 ft. base  $2\frac{1}{2}$  ft. high E. of cor.  
At this cor., at noon, I set off  $19^{\circ}53\frac{1}{2}'$  N. on the decl.  
arc and observe the sun on the meridian.  
The observed lat. is  $32^{\circ}35\frac{1}{2}'$  N.  
(See completion of retracement of E. portion of this bdy.  
by J. B. Wright, on page 14, this book )
- The true bearing of the west bdy. of T. 10 S., R. 14 E.  
as calculated to the above cor. is N.  $0^{\circ}4'$  W.,  
and it being evident that the subdivisions from the  
west in T. 10 S., R. 13 E. will not close within  
limits on the corners to be re-established on the  
W. bdy. of T. 10 S., R. 14 E., I proceed to the Std.  
cor. of Tps. 10 S., Rs. 13 & 14 E., hereinbefore  
described, and while running on true line on said  
W. bdy. of T. 10 S., R. 14 E., I establish corners also  
at intervals of even 80 chs. to refer to secs. in  
T. 10 S., R. 13 E.

W.H.E.

## Resurvey of West Boundary of T. 10 S., R. 14 E. 11.

Chains.	July 24, 1913: From the Std. cor. of Tps. 10 S., Rs. 13 & 14 E., hereinbefore described, I run, On true line, N. 0° 4' W., on W. bdy. of sec. 31. Over heavily rolling land, through dense cacti, mesquite, catclaw, and paloverde.	W.H.E.
25.30	Wash, 10 lks. wide, course SE.	
40.47	By proportional measurement, reestab. $\frac{1}{4}$ sec. cor. sec. 31, as fol- Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in (lows: the ground for re-established $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 31 in E. half, 1913 near S. rim, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high E. of cor.	
51.10	Wash, 50 lks. wide, course SE.	
80.00	Set an iron post 2 ins. in diam. 3 ft. long, 24 ins. in ground for reestab. cor. of secs. 25 & 36, marked on brass cap, T 10 S in N., and S 30, S 31, R 14 E, in E. half, 1913 near S. rim, S 25 in NW., and S 36, R 13 E, in SW. quad.; raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. No bearings available, pits, impracticable.	
80.94	Re-establish cor. of secs. 30 & 31, R. 14 E., as follows: Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 30 & 31, R. 14 E., marked on brass cap, T 10 S in N., and S 25, S 36, R 13 E, in W. half, 1913 near S. rim, S 30 in NE., and S 31, R 14 E, in SE. quad.; raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high E. of cor. No bearings available, pits impracticable. Land, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, cacti, catclaw, paloverde, fair grass.	
	N. 0° 4' W., on W. bdy. of sec. 30. Over broken, rolling land, through scattering brush.	
7.50	Wash, 30 lks. wide, course SE.	
24.00	Wash, 100 lks. wide, course SE.	
40.47	Reestablish $\frac{1}{4}$ sec. cor. sec. 30 as follows: Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 in E. half; 1913 near S. rim; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high E. of cor. No bearings available, pits impracticable.	
64.00	Wash, 80 lks. wide, course SE.	
79.06	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in ground for reestab. cor. of secs. 24 & 25, R 13 E, marked on brass cap, T 10 S in N., and S 19, S 30, R 14 E, in E. half, S 24 in NW., and S 25 R 13 E, in SW. quad.; 1913 near S. rim; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.	
80.94	Reestablish cor. of secs. 29 & 30, as follows: Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19 & 30, R 14 E., marked on brass cap, T 10 S, in N., and S 24, S 25, R 13 E, in W. half, S 19 in NE., and S 30, R 14 E, in SE. quad.; 1913 near S. rim; dig pits 24x18x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high E. of cor. Land, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, cacti, paloverde, fair grass.	

Chains.	N. 0° 4' W., on W. bdy. of sec. 19. Over broken, rolling land, through scattering brush.
2.60	Wash, 100 lks. wide, course SE.
18.10	Wash, 50 lks. wide, course SE.
40.47	Reestablish $\frac{1}{4}$ sec. cor. sec. 19, as follows: Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim, $\frac{1}{4}$ S 19 in E. half. No bearings available. Pits impact. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.
48.10	Wash, 2 chs. wide, course SE.
78.12	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in ground for reestab. cor. of secs. 13 & 24, R 13 E, marked on brass cap, T 10 S in N., and S 18, S 19, R 14 E, in E. half, 1913 near S. rim, S 13 in NW., and S 24, R 13 E, in SW. quad.; from which, A mesquite tree 8 ins. diam. brs. S. 74° W. 138 lks. dist., marked T 10 S R 13 E S 24 B T. No other bearings available. Dig pits 24x18x12 ins. in each sec. 6 ft. dist., and raise a mound of earth $\frac{1}{2}$ ft. base 2 ft. high W. of cor.
80.94	Reestablish cor. of secs. 18 & 19, as follows: Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 18 & 19, R 14 E, marked on brass cap, T 10 S in N., and S 13, S 24, R 13 E, in W. half, 1913 near S. rim, S 18 in NE., and S 19, R 14 E in SE. quad.; from which, a mesquite tree 6 ins. diam. brs. N. 18° E. 71 lks. dist., marked T 10 S R 14 E S 18 B T. A mesquite tree 8 ins. diam. brs. S. 21° E. 223 lks. dist., marked T 10 S R 14 E S 19 B T. Land, broken, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, paloverde, catclaw, cacti, fair grass.
	N. 0° 4' W., on W. bdy. of sec. 18. Over rolling land, through scattering brush.
11.20	Old road, brs. E. & W.
35.60	Wash, 20 lks. wide, course SE.
40.47	Reestablish $\frac{1}{4}$ sec. cor. sec. 18, as follows: Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 in E. half, 1913 near S. rim; dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high E. of cor.
44.70	Old road, brs. NW. & SE.
47.20	Wash, 15 lks. wide, course SE.
69.70	Wash, 50 lks. wide, course SE.
77.18	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in ground for reestab. cor. of secs. 12 & 13, R. 13 E., marked on brass cap, T 10 S in N. half, and S 7, S 18, R 14 E, in E. half, S 12 in NW., and S 13, R 13 E, in SW. quad.; 1913 near S. rim; dig pits 24x18x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
80.94	Find traces of orig. cor., and old post, on ground, destroy & Reestablish cor. of secs. 7 & 18, in same place as follows: Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7 & 18, R. 14 E., marked on brass cap, 1913 near S. rim, T 10 S in N., and S 12, S 13, R 13 E, in W. half, S 7 in NE., and S 18, R 14 E, in SE. quad.; from which, A mesquite tree 8 ins. diam. brs. N. 56 $\frac{1}{2}$ ° E. 202 lks. dist., marked T 10 S R 14 E S 7 B T. A mesquite tree 10 ins. diam. brs. S. 45° E. 121 lks. dist., marked T 10 S R 14 E S 18 B T. Land, broken, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, cacti, catclaw, greasewood, fair grass.

- Chains.
- N.  $0^{\circ} 4'$  W., on W. bdy. of sec. 7.  
Over rolling land, through scattering brush.
- 7.25 Wash, 4 chs. wide, course SE.
- 29.95 Florence-Tucson road, State highway, brs. NW. & SE.
- 40.47 Reestablish  $\frac{1}{4}$  sec. cor. sec. 7, as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., sec. 7, marked on brass cap,  $\frac{1}{4}$  S 7 in E. half; 1913 near S. rim;  
raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
No trees available, pits impracticable.
- 56.25 Wash, 20 lks. wide, course SE.
- 76.24 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in ground for reestab. cor. of secs. 1 & 12, R. 13 E., marked on brass cap, T 10 S in N. and, S 6, S 7, R 14 E, in E. half, 1913 near S. rim, S 1 in NW., and S 12, R 13 E, in SW. quad.;
- 80.94 Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
Reestablish cor. of secs. 6 & 7, R 14 E. as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 6 & 7, R. 14 E., marked on brass cap, T 10 S in N. half; 1913 near S. rim, and S 1, S 12, R 13 E, in W. half, S 6 in NE., and S 7, R 14 E, in SE. quad.; from which,  
A mesquite tree 6 ins. diam. brs. N.  $62\frac{1}{2}^{\circ}$  E. 243 lks. dist., marked T 10 S R 14 E S 6 B T.  
A mesquite tree 8 ins. diam. brs. S.  $43\frac{1}{2}^{\circ}$  E., 79 lks. dist., marked T 10 S R 14 E S 7 B T.
- Land, broken, rolling.  
Soil, 3rd rate, gravelly, dry.  
Mesquite, catclaw, cacti, fair grass.
- 
- N.  $0^{\circ} 4'$  W., on W. bdy. of sec. 6.  
Over rolling land, through scattering brush.
- 16.30 Wash, 2 chs. wide, course SE.
- 40.47 Reestablish  $\frac{1}{4}$  sec. cor. sec. 6, as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., sec. 6, marked on brass cap,  $\frac{1}{4}$  S 6 in E. half, 1913 near S. rim;  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high E. of cor.
- 62.30 Wash, 30 lks. wide, course SE.
- 75.30 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in ground for reestab. cor. of Tps. 9 & 10 S., R. 13 E., marked on brass cap, 1913 near S. rim, R 13 E, in W., and R 14 E, T 9 S, S 31, T 10 S, S 6, in E. half, T 9 S, S 36 in NW., and T 10 S, S 1 in SW. quad.; from which,  
A mesquite tree 10 ins. diam. brs. S.  $29\frac{1}{2}^{\circ}$  W. 236 lks. dist., marked T 10 S R 13 E S 1 B T.
- No other bearings available.  
Dig pits 24x18x12 ins. crosswise on each line, N. & S. 4 ft., and W. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base  $2\frac{1}{2}$  ft. high W. of cor.
- 80.20 Wash, 20 lks. wide, course SE.
- 80.94 To cor. of Tps. 9 & 10 S., R. 14 E., heretofore reestablished by me, and hereinbefore described.
- Land, broken, rolling.  
Soil, 3rd rate, gravelly, dry.  
Mesquite, cacti, catclaw, fair grass.

July 24, 1913.

W. H. E.

14 Completion of Retracement of South Boundary of T. 9 S., R. 14 E.

Chains.	Note: See pages 9 & 10, this Book for other portions of this bdy. August 6, 1913. J. B. Wright. Before beginning the subdivision of T. 9 S., R. 14 E., or completing the survey of E. bdy., and N. bdy. of this Tp., I deem it advisable to retrace the old exterior lines thereof, of former surveys. At 8h a.m., l.m.t., at the old cor. of secs. 4, 5, 32 & 33, hereinbefore described, I set off 16°47' N. on the decl. arc, and 32°35½' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per field notes furnished by the Surveyor General, over rolling land.
11.10	East, bet. secs. 4 & 33, on random line.
18.70	Wash, 30 lks. wide, course S.
21.90	Wash, 30 lks. wide, course SW.
33.30	Wash, 20 lks. wide, course WNW.
40.12	Road, brs. NNE. & SSW.
40.12	The ¼ sec. cor. bet. secs. 4 & 33 brs. South, 9 lks. dist., which is a granite stone 8x9x5 ins. above ground, marked and witnessed as described by the Surveyor General. The true course of this ½ mile is S. 89°52' E., 40.12 chs.
40.12	Thence I run, East, on a random line, The cor. of secs. 3, 4, 33 & 34 brs. South, 5 lks. dist., which is a granite stone 6x7x10 ins. above ground, marked and witnessed as described by the Surveyor General. The true course of this ½ mile is S. 89°56' E. 40.12 chs. Land, rolling, sparse undergrowth, good grass.
8.00	East, bet. secs. 3 & 34, on a random line. Over rolling land, sparse undergrowth.
27.60	Road, brs. NNE. & SSW.
40.14	Wash, 10 lks. wide, course SW. The ¼ sec. cor. brs. South, 7 lks. dist., which is a granite stone 10x12x5 ins. above ground, marked and witnessed as described by the Surveyor General. True course of this ½ mile is S. 89°54' E., 40.14 chs.
2.25	Thence I run, East, on a random line.
40.14	Wash, 10 lks. wide, course SSW. The cor. of secs. 2, 3, 34 & 35 brs. South, 2 lks. dist., which is a granite stone 8x8x5 ins. above ground, marked and witnessed as described by the Surveyor General. True course of this ½ mile is S. 89°58' E. 40.14 chs. Land, rolling. Soil, 3rd rate, sparse undergrowth.
11.30	East, bet. secs. 2 & 35, on a random line. Over rolling land.
33.90	Oracle - Tucson road, brs. NE. & SW.
40.16	Wash, 30 lks. wide, course SW. The ¼ sec. cor. brs. South, 2 lks. dist., which is a granite stone 8x13x6 ins. above ground, marked and witnessed as described by the Surveyor General. True course of this ½ mile is S. 89°58' E., 40.16 chs.
27.10	Thence I run, East, on a random line.
40.14	Wash, 30 lks. wide, course WSW. The cor. of secs. 1, 2, 35 & 36 brs. South, 4 lks. dist., which is a granite stone 7x7x5 ins. above ground, marked and witnessed as described by the Surveyor General. True course of this ½ mile is S. 89°57' E. 40.14 chs. Land, rolling. Soil, 3rd rate, gravelly, sparse brush.

Chains.

East, bet. secs. 1 & 36, on random line.  
 Over rolling land.  
 21.10 Wash, 50 lks. wide, course SW.  
 34.30 Road, brs. NW. & SE.  
 40.13 Intersect  $\frac{1}{4}$  sec. cor., which is a granite stone 8x8x4 ins. above ground, marked and witnessed as described by the Surveyor General. Continue random line east.  
 80.29 The cor. of Tps. 9 & 10 S., R. 14 E., brs. South, 9 lks. dist., which is a granite stone 7x9x6 ins. above ground, marked and witnessed as described by the Surveyor General.  
 True course of the East  $\frac{1}{2}$  mile this line is S. 89° 52' E., 40.16 chs. True course of the W.  $\frac{1}{2}$  mile is East 40.13 chs.  
 Land, rolling.  
 Soil, 3rd rate, gravelly, dry.  
 Scattering mesquite, catclaw, cacti, fair grass.  
 At this cor., at noon, I set off 16° 43 $\frac{1}{2}$ ' N. on the decl. arc, and observe the sun on the meridian.  
 The resulting lat. is 32° 35' N.

General Description.

The West bdy. of T. 10 S., R. 14 E., and S. bdy. of T. 9 S., R. 14 E., as surveyed or retraced run over rolling or broken land, covered in places with a fair growth of mesquite, and in general with good growth of native grass. No water or timber on or near the lines.

Aug. 6. 1913.  
 J. B.W.

16 Retracement S.  $\frac{1}{2}$  of East Bdy. of T. 9 S., R. 14 E.

## Chains.

- Aug. 6, 1913. J.B.W.  
From the cor. of Tps. 9 & 10 S., R. 14 E., hereinbefore described, I run, for retracement,  
North, on E. bdy. of Sec. 36.  
Over rolling land, through scattering brush.
- 18.00 Wash, 20 lks. wide, course W.  
20.70 Telephone line, brs. WNW. & ESE., Phoenix- & Florence to Tucson.  
26.40 Wash, 30 lks. wide, course SSW.  
40.05 The  $\frac{1}{4}$  sec. cor. brs. West,  $3\frac{1}{2}$  lks. dist., which is a granite stone 5x7x5 ins. above ground, marked and witnessed as described by the Surveyor General, n True course of this  $\frac{1}{2}$  mile is N. 0°03' W., 40.05 chs.  
Thence I run,  
North, on random line.
- 29.00 Wash, 20 lks. wide, course WSW.  
40.03 The cor. of secs. 25 & 36 brs. West,  $2\frac{1}{2}$  lks. dist., which is a quartz stone 12x12x5 ins. above ground, marked and witnessed as described by the Surveyor General. True course of this  $\frac{1}{2}$  mile is N. 0°2' W., 40.03 chs.  
Land, rolling. soil, 3rd rate, sparse undergrowth.
- 
- North, on E. bdy. of sec. 25, on random line.  
Over rolling land.
- 5.10 Road, Oracle to Tucson, brs. WSW. & ENE.  
22.10 Wash, 20 lks. wide, course SW.  
40.08 The  $\frac{1}{4}$  sec. cor. brs. East, 4 lks. dist., which is a quartz stone 8x9x5 ins. above ground, marked and witnessed as described by the Surveyor General. True course of this  $\frac{1}{2}$  mile is N. 0° 3' E., 40.08 chs.  
Thence I run,  
North, on random line,
- 7.40 Road, brs. NE. & SW.  
17.90 Wash, 10 lks. wide, course SW.  
26.10 Old road, brs. ENE. & WSW.  
40.03 Intersect cor. of secs. 24 & 25, which is a granite stone 12x12x4 ins. above ground, marked and witnessed as described by the Sur. Genl. True course & dist. this  $\frac{1}{2}$  mile (is N., 40.03 chs.  
Land, rolling.  
Soil, 3rd rate, gravelly, dry.  
Scattering mesquite, dense cacti, good grass.
- 
- North, on E. bdy. of sec. 24, on a random line.  
Over rolling land, through scattering brush, cacti.
- 10.10 Old road, brs. E. & W.  
18.00 Wash, 1 ch. wide, course NW.  
39.97 The  $\frac{1}{4}$  sec. cor. brs. East, 5 lks. dist., which is a granite stone 6x8x5 ins. above ground, marked and witnessed as described by the Surveyor General. True course of this  $\frac{1}{2}$  mile is N. 0°04' E., 39.97 chs.  
Thence I run,  
North, on a random line.
- 40.01 The cor. of secs. 13 & 24 brs. West, 1 lk. dist., which is a granite stone 6x13x5 ins. above ground, marked and witnessed as described by the Surveyor General. True course of this  $\frac{1}{2}$  mile is N. 0°1' W., 40.01 chs.  
Land, rolling. Soil, 3rd rate, gravelly, dry.  
Mesquite, catclaw, cacti, good grass.  
Aug. 6, 1913.

For completion of survey, (original) of this East bdy. of T. 9 S., R. 14 E., see book "C", of boundaries, pages 31 & 32.

J. B. W.



Retracement and Resurvey of West Boundary of T. 8 S., R. 16 E. 17

Chains. August 21, 1913. J. B. W.  
 At 8h.0m.a.m., l.m.t. at the cor. of Tps. 8 S., Rs. 15 & 16 E., which is a Granite stone 22x16x10 ins. above ground, marked and witnessed as described by the Surveyor General, ( Changed by me to refer to Tps. 8 S., Rs. 15 & 16 E., only.)  
 I set off 12°12½' N. on the decl. arc, and 32°41' N. on the lat. arc, and determine a meridian with the solar. Thence I run, for purposes of determining the true bearings and distances and topography of this line; North, bet. secs. 31 & 36, on a random line.  
 Var. 14°05' E.  
 Over mountainous, broken land, asc. S. slope, through scattering cacti, mesquite, good native grass.

9.00 Ridge, brs. E. & WSW., granite peak 20 chs. ESE., desc.  
 29.67 Wire fence, brs. ENE. & WSW.  
 29.80 Wash, 20 lks. wide, course NE.  
 37.00 Wash, 20 lks. wide, course E., enter small valley.  
 37.70 Dim road, brs. ESE. & WNW., small ranch and well 25 chs. to ESE., owner unknown.

39.95 Orig. ¼ sec. cor., brs. West, 8 lks. dist., which is a granite stone 12x10x6 ins. above ground, marked and witnessed as described by the Surveyor General.  
 I raise a mound of stone 2 ft. base, 1½ ft. high W. of this cor.  
 True bearing of this ½ mile is N. 0°07' W., 39.95 chs.  
 From this cor., I run, North, on a random line.

2.10 Wash, 40 lks. wide, course SE., main drain of valley; leave draw, and narrow valley, asc. grad., over broken WSW. slope.

20.00 Along W. slope.  
 32.00 Gulch, 150 lks. wide, course SW., asc. SW. slope.  
 40.07 Orig. cor. of secs. 25, 30, 31 & 36 brs. East, 6 lks. dist., which is a granite stone 16x10x5 ins. above ground, as described by the Surveyor General, pits obliterated. Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. True bearing of this ¾ mile is N. 0°05' E. 40.07 chs.  
 Land, broken, mts. Soil, 3rd rate, stony, gravelly. Mesquite, catclaw, in valley of washes, cacti, fair grass.

---

From the above described cor., I run, North, bet. secs. 25 & 30, on random line.  
 Over mts. land, asc. broken SW. slope, through scattering brush.

39.97 Orig. ¼ sec. cor. on line, which is a granite stone 12x8x4 ins. above ground, marked as described by the Surveyor General;  
 Rebuild mound of stone 2 ft. base, 1½ ft. high W. of cor.

66.00 Top of rocky spur, divide, brs. NNE. & SW.,  
 79.94 Remains of orig. cor. of secs. 19, 24, 25 & 30 on line, dilapidated mound of stone, orig. corner stone decomposed, reestablish as follows:  
 Set a granite stone 24x15x12 ins. 18 ins. in the ground for cor. of secs. 19, 24, 25 & 30, marked with 2 notches on S., and 4 notches on N. edges, raise a mound of stone 3 ft. base 2 ft. high W. of cor. No iron post on hand for this cor.  
 Land, mts., broken. Soil, 3rd rate, stony, gravelly, dry. Mesquite, catclaw, cacti, sparse grass.  
 At this cor., at noon, I set off 12°09' N. on the decl. arc, and observe the sun on the meridian.  
 The resulting lat. is 32°43' N.  
 True bearing this mile is north 79.94 chs.

18 Retracement and  
Resurvey of West Boundary of T. 8 S., R. 16 E.

Chains.	
	North, bet. secs. 19 & 24, on a random line, Over mts. land, asc. SW. slope.
1.00	Top of divide, brs. NNW. & SSE., thence along E. slope, near crest of divide.
7.50	Same divide, brs. NNE. & SSW., desc. NW. slope.
20.00	Gulch, 20 lks. wide, course SW.
39.69	The orig. $\frac{1}{4}$ sec. cor. brs. West, 18 lks. dist., which is a malpais stone, 12x8x5 ins. above ground, marked and witnessed as described by the Surveyor General. (Orig. cor. described as Granite stone, erroneous.) Rebuild mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. True bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}15'$ W. 39.69 chs.
	Thence I run, North, on a random line,
17.00	Wash, 30 lks. wide, course SW.
32.00	Gulch, 50 lks. wide, course SW., asc. SW. slope.
39.00	Ridge, brs. E. & W., desc.
39.85	Orig. cor. of secs. 13, 18, 19 & 24 brs. East, 66 lks. dist., which is a Volcanic stone (Not granite.), 12x10x5 ins. above ground, marked as described by the Surveyor General, mound of stone dilapidated. Rebuild mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. True bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}05'$ E., 39.85 chs.
	Land, broken, mts. Soil, 3rd rate, stony, gravelly, volcanic base. Mesquite, catclaw, cacti, sparse grass. August 21, 1913.
	August 25, 1913. At 8h a.m., l.m.t., at the cor. of secs. 13, 18, 19 & 24, above described, I set off $10^{\circ}51\frac{1}{2}'$ N. on the decl. arc, and $32^{\circ}43\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run, North, bet. secs. 13 & 18, on a random line. Over mts., broken land, along broken W. slope.
15.00	Asc. WSW. slope.
34.00	Spur, brs. WNW. & ESE., desc.
39.48	Orig. $\frac{1}{4}$ sec. cor. brs. West, 24 lks. dist., which is a granite stone 12x8x5 ins. above ground, marked as described by the Surveyor General; no pits. I raise a mound of stone 3 ft. base, 2 ft. high W. of this cor. True bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}21'$ W., 39.48 chs.
	Thence I run, North, on a random line.
3.40	Gulch, 20 lks. wide, course NW.
12.40	Gulch, 20 lks. wide, course W., asc. steep.
38.00	Top of dividing ridge, brs. ESE., & NNW., between drainage of San Pedro River to NE., and Camp Grant Wash to NW.
39.67	The orig. cor. of secs. 7, 12, 13 & 18 brs. East, 3 lks. dist., which is a granite stone 14x12x5 ins. above ground, marked as described by the Surveyor General, pits obliterated. I change to refer to secs. 7 & 18 only. As the shortage of measurement now developed along this line will necessitate corners of 2 secs. referring to Range 16 E. only at this cor. I build a mound of stone 3 ft. base 2 ft. high E. of cor. No bearings available. The true bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}03'$ E. 39.67 chs. Land, broken, mts., rough. Soil, 3rd rate, stony, gravelly, dry. Catclaw, cacti, fair grass.

Retracement and Resurvey of West Boundary of T. 8 S., R. 16 E. 19

Chains.	From the cor. of secs. 7, & 18, just as described, I run, North, on West bdy. of sec. 7, on random line. Over broken, mts. land.
0.10	Divide, brs. NE. & SW., desc. NW. slope.
0.85	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 12 & 13, of T. 8 S., R. 15 E., marked on brass cap, 1913 near S. rim, T 8 S in N., and S 7, S 18, R 16 E, in E. half, S 12 in NW., and S 13, R 15 E, in SW. quad.;
	raise a mound of stone 3 ft. base 2 ft. high W. of cor. (Note:- This cor. was set later on true line, but is here described for convenience of record.)
9.00	Divide, brs. NNW. & SSE., thence along steep E. slope.
29.00	Spur, high and rocky, brs. E. & W., desc. prec.
39.82	Orig. 1/4 sec. cor. brs. East, 2 lks. dist., which is a granite stone 10x8x5 ins. above ground, marked as described by the Surveyor General, mound of stone dilapidated. I rebuild mound of stone 3 ft. base, 2 ft. high E. of this cor. True bearing of this 1/2 mile is N. 0°02'E., 39.82 chs.
	Thence I run, North, on random line,
4.10	Divide, brs. NNE. & SW.
8.90	Divide, brs. E. & W., desc. steep ENE. slope.
34.80	Divide, brs. SSW. & NE.
39.60	Orig. cor. of secs. 1, 6, 7 & 12 brs. West, 5 lks. dist., which is a granite stone 12x10x6 ins. above ground, marked as described by the Surveyor General, mound of stone obliterated. I change this cor. to refer to secs. 6 & 7 of T. 8 S., R. 16 E., only,; build mound of stone 3 ft. base 2 ft. high E. of cor. True bearing of this 1/2 mile is N. 0°04'W. 39.60 chs. Land, broken, mts. Soil, 3rd rate. stony, dry, gravelly. Sparse mesquite, catclaw, cacti, fair grass. At this cor., at noon, I set off 10°47 1/2' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 32°45' N.
	North, on West Bdy. of sec. 6, on random line.
	Over mts. land, desc. over broken hills, decomposed granite gravel, scattering brush.
1.43	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 1 & 12, of T. 8 S., R. 15 E., marked on brass cap, 1913 near S. rim, T 8 S in N., and S 6, S 7, R 16 E., in E. half, S 1 in NW., and S 12, R 15 E, in SW. quad.;
	raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. (Note:- This cor. was subsequently established on true line, but is here described for convenience of record.)
8.00	Wash, 20 lks. wide, course NW., asc.
15.00	Ridge, brs. NW. & SE., desc.
39.96	Orig. 1/4 sec. cor. brs. East, 6 lks. dist., which is a granite stone 10x8x6 ins. above ground, marked and witnessed as described by the Surveyor General. I rebuild the mound of stone 2 ft. base, 1 1/2 ft. high E. of cor. True bearing of this 1/2 mile is N. 0°05'E., 39.96 chs.
	Thence I run, North, on random line.
1.50	Old road, brs. SSE. & NNW.
7.00	Wash, 20 lks. wide, course NW., thence over broken divide.
40.02	Remains of orig. cor. of Tps. 7 & 8 S., Rs. 15 & 16 E. brs. West, 2 1/4 lks. dist., an old decayed post, as described by the Surveyor General.

Retracement and  
Resurvey of West Boundary of T. 8 S., R. 16 E.

## Chains.

This old cor. being almost obliterated, and the markings barely discernible, I destroy, and in orig. position of old cor., I

Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 7 & 8 S., Rs. 15 & 16 E., marked on brass cap, 1913 near S. rim,

T 7 S in N.,  
R 16 E in E.,  
T 8 S in S., and  
R 15 E in W. half,  
S 36 in NW.,  
S 31 in NE.,  
S 6 in SE., and  
S 1 in SW. quad.; from which,

A mesquite tree 8 ins. diam. brs. S.  $33\frac{3}{4}^{\circ}$  W. 167 lks. dist., marked T 8 S R 15 E S 1 B T.

No other trees available.

Dig pits 24x24x12 ins. on each line, N., E., and W., 4 ft., and S. of cor. 8 ft. dist., and

raise a mound of earth 5 ft. base,  $2\frac{1}{2}$  ft. high S. of cor.

Highest peak of Black Mts. brs. N.  $88^{\circ}09'$  W.

S. edge of high bluff of high mesa mountain across San Pedro Valley to E., brs. N.  $83^{\circ}32'$  E.

Highest point of Dome shaped mountain, Pinal Range, brs. N.  $6^{\circ}05'$  W.

This cor. is situated on W. side of small flat spur, to N. True bearing this  $\frac{1}{2}$  mile is N.  $0^{\circ}20'$  W., 40.02 chs.

## General Description.

The West Boundary of T. 8 S., R. 16 E., as retraced runs over broken mountainous land, along main W. slope of the Black Hills, which lie to the East of the line, rising to an elevation of about 5,000 ft. above sea-level, and being of volcanic or igneous formation, trending into porphyry and granite to the north. There is no water or timber along the line.

August 25, 1913.

J. B. W.

Chains.

Sept. 1, 1913. J. B. W.  
 At 8h a.m., l.m.t., at the cor. of Tps. 7 & 8 S., Rs. 15 & 16 E., as recently re-established by me, and hereinbefore described,  
 I set off 8°23' N. on the decl. arc, and 32°46' N. on the lat. arc, and determine a meridian with the solar.  
 Thence I run, for purposes of testing the old W. bdy. of T. 7 S., R. 16 E., which I have reason to believe is erroneous;  
 North, on a random line, as per field notes furnished by the Surveyor General.  
 At intervals of 40 chs., I set temp. corners, and make diligent search for the old corners as described by the Surveyor General. I find no trace of any old corners, until at a distance of 4 miles, 77.14 chs., the orig. cor. of secs. 1, 6, 7 & 12 brs. West, 5.56 chs. dist., which is a granite stone 10x8x5 ins. above ground, marked and witnessed as described by the Surveyor General. True bearing of line to this pt. is therefore N. 0°48' W., 397.15 chs. From this old cor. I run North, on a random line.  
 39.90 The orig. ¼ sec. cor. brs. West, 14 lks. dist., which is a granite stone 8x8x6 ins. above ground, marked and witnessed as described by the Surveyor General. True bearing of this ½ mile is therefore N. 0°12' W. 39.90 chs.  
 Thence I run, North, on random line.  
 39.83 The orig. cor. of Tps. 6 & 7 S., Rs. 15 & 16 E. brs. West, 20 lks. dist., which is a granite stone 14x13x8 ins. above ground, marked and witnessed as described by the Surveyor General. True bearing of this ½ mile is therefore N. 0°17' W. 39.83 chs.  
 Sept. 1, 1913. J.B.W.

J.B.W.

Sept. 2, 1913.  
 In order to properly re-establish the lost and obliterated corners along this line, which now become corners common to 2 secs. of T. 7 S., R. 16 E., only, I proceed as follows; by proportion,  
 480.00 : 397.15 :: 80.00 : Dist. for 1 mile = 79.43 chs.  
 Therefore, at 8h a.m., l.m.t., at the cor. of Tps. 7 & 8 S., Rs. 15 & 16 E., hereinbefore described.  
 I set off 8°01' N. on the decl. arc, and 32°46' N. on the lat. arc, and determine a meridian with the solar.  
 Thence I run, on a true line, as determined from above data,  
 N. 0° 48' W., on W. bdy. of sec. 31.  
 Over broken mts. land, desc. grad., through scattering scrub oak, catclaw, cacti, good native grass.  
 4.80 Old road, brs. NW. & SE.  
 26.00 Wash, 15 lks. wide, course NNE.  
 38.00 Wash, 20 lks. wide, course NE.  
 39.715 Set a granite stone 24x14x10 ins. 18 ins. in the ground for ¼ sec. cor., marked ¼ on E. face; raise a mound of stone 2 ft. base, ½ ft. high E. of cor. (No iron posts available for this line.) (No bearings avail.)  
 66.80 Gulch, 30 lks. wide, course NE. (Pits impract.)  
 67.80 Gulch, 20 lks. wide, course E., asc. steep.  
 76.00 Ridge, brs. E. & W., desc. steep.  
 79.43 Set a granite stone 20x8x8 ins., 15 ins. in the ground for cor. of secs. 30 & 31, marked with 1 groove on S. & 5 grooves on N. faces; raise a mound of stone 2 ft. base, 1½ ft. high E. of cor.  
 Land, broken, mts. No bearings availbl. Pits imprac.  
 Soil, 3rd rate, stony, gravelly, dry.  
 Mesquite, scrub oak, catclaw, cacti, fair grass.

## Chains.

- N. 0° 48' W., on W. bdy. of sec. 30.  
Over rough, broken, mts. land, through scattering brush.
- 3.80 Gulch, 20 lks. wide, course WNW., asc.  
31.00 Ridge, brs. SW. & NE., desc.  
39.715 Set a granite stone 24x14x10 ins., 18 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on E. face; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor. No bearings available, pits impracticable.  
49.00 Gulch, 30 lks. wide, course W., asc. steep.  
74.00 Top of hill, on ridge, brs. E. & W., desc.  
79.43 Set an igneous stone, 20x12x10 ins., 15 ins. in the ground for cor. of secs. 19 & 30, marked with 2 grooves on S. & 4 grooves on N. faces; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor. No bearings available, pits impracticable.  
Land, broken, mts.  
Soil, 3rd rate, stony, dry.  
Mesquite, scrub oak, cacti, sparse grass.
- 
- N. 0° 48' W., on W. bdy. of sec. 19.  
Over rough, broken mts. land, desc. steep NE. slope, through dense brush.
- 9.00 Gulch, 50 lks. wide, course NW.  
16.00 Gulch, 40 lks. wide, course W., asc.  
21.00 Spur, brs. NW. & SE., desc.  
26.00 Gulch, 15 lks. wide, course NW.  
39.715 Set a granite stone 18x10x6 ins., 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on E. face, and (Pits imprac. No bearings avail.)  
raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor. (ings avail.)  
51.00 Canyon, 150 lks. wide, course NW., asc. along SW. slope.  
67.00 Spur, brs. SE. & NW., desc.  
79.00 Gulch, 60 lks. wide, course WNW., asc.  
79.43 Set an igneous stone 24x14x12 ins., 18 ins. in the ground for cor. of secs. 18 & 19, marked with 3 grooves on N. & S. faces, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor. No bearings available, pits impracticable.  
Land, broken, mts., rough.  
Soil, 3rd rate, stony, dry.  
Sparse mesquite, catclaw, scrub oak, dense cacti.
- 
- N. 0° 48' W., on W. bdy. of sec. 18.  
Over mts. land, asc.
- 14.00 W. point of spur, brs. WNW. & ESE., desc.  
18.00 Enter Camp Grant Wash, course NNE.  
23.00 Road, Tucson to Winkelman, in wash, brs. NNE. & SSW.  
26.00 Leave wash, asc. steep.  
32.00 Spur, brs. E. & W., desc.  
39.715 Set a granite stone 24x10x6 ins., 18 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on E. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor. No bearings available.  
Asc. from cor. Pits impracticable.  
48.00 Spur, brs. E. & W., desc. steep. Pits impracticable.  
67.00 Enter Putnam Wash, course E.  
68.00 Dim road in wash, brs. E. & W.  
73.00 Leave wash, asc.  
79.43 Set a granite stone 28x14x12 ins., 18 ins. in the ground for cor. of secs. 7 & 18, marked with 4 grooves on S., and 2 grooves on N. faces, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor. Pits imprac. No bearings available.  
Land, broken, rolling, mts. ( available.  
Soil, 3rd rate, stony, gravelly, sandy. ( available.  
Mesquite, catclaw, cacti, sparse grass.  
At this cor., at noon, clouds obscure the sun, impracticable to observe the lat.

## Re-survey of West Boundary of T. 7 S., R. 16 E.

23

## Chains.

N.  $0^{\circ} 48'$  W., on W. bdy. of sec. 7.  
 Over broken, mts. land, asc. grad.  
 12.00 Enter gulch, course SE., from N., in same.  
 20.00 Leave gulch, course S. from NE.  
 29.00 Gulch, 60 lks. wide, course SE.  
 39.715 Set a granite stone 24x10x6 ins. 18 ins. in the ground  
 for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on E. face, and  
 raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
 43.00 Gulch, 20 lks. wide, course W. (No bearings avail. Pits imprac.  
 59.00 Gulch, 30 lks. wide, course W., asc. prec. S. slope.  
 68.00 High rocky ridge, brs. E. & W., desc. steep, stony NE.  
 slope of high Hill.  
 77.10 Gulch, 20 lks. wide, course E.  
 79.43 To orig. cor. of secs. 1, 6, 7 & 12, which is a granite  
 stone 10x8x5 ins. above ground, marked and witnessed  
 as described by the Surveyor General, hereinbefore  
 noted, which cor. I change to refer to secs. 6 & 7 of  
 T. 7 S., R. 16 E., only;  
 build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
 Land, broken, rough, mts. No bearings avail. Pits imprac.  
 Soil, 3rd rate, stony, dry.  
 Mesquite and catclaw, and other brush, cacti, sparse  
 grass.

N.  $0^{\circ} 12'$  W., on W. bdy. of sec. 6.  
 Over broken, mts. land, along E. slope.  
 7.00 Wash, 20 lks. wide, course E.  
 27.00 Wash, 30 lks. wide, course ESE.  
 39.90 The orig.  $\frac{1}{4}$  sec. cor. on line, hereinbefore described,  
 which cor. I re-mark  $\frac{1}{4}$  on E. face, and  
 raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
 Thence I run, (No bearings avail. Pits impracticable.  
 N.  $0^{\circ} 17'$  W.  
 3.00 Wash, 30 lks. wide, course ESE., asc. grad. through  
 dense cholla cacti.  
 39.83 To orig. cor. of Tps. 6 & 7 S., Rs. 15 & 16 E.,  
 hereinbefore described, which cor. I change to refer to  
 Tps. 6 & 7 S., R. 16 E. only, by erasing the notches  
 on W. edge of stone;  
 raise a mound of stones covered with earth 4 ft. base,  
 2 ft. high E. of cor.  
 No trees available, pits impracticable.  
 Land, broken, mts.  
 Soil, 3rd rate, stony, gravelly, dry.  
 Mesquite, greasewood, catclaw, cacti, sparse grass.

The total northing of this old line is 476.88 chs.;  
 it is therefore necessary to establish a cor. 3.12 chs.  
 to the north of above described Tp. cor. to complete  
 the necessary 6 miles.  
 From the cor. of Tps. 6 & 7 S., R. 16 E., as above  
 described, I run,  
 North.  
 3.12 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in  
 the ground for cor. of Tps. 6 & 7 S., R. 15 E., marked  
 on brass cap, 1913 near S. rim,  
 R 15 E, in W., and  
 R 16 E, T 6 S S 31, T 7 S S 6, in E. half,  
 T 6 S S 36 in NW., and  
 T 7 S S 1 in SW. quad.; from which,  
 A paloverde tree 12 ins. diam. brs. S.  $56\frac{1}{2}^{\circ}$  W. 12 lks. dist.,  
 marked T 7 S R 15 E S 1 B T.  
 A paloverde tree 10 ins. diam. brs. N.  $58^{\circ}$  W. 38 lks. dist.,  
 marked T 6 S R 15 E S 36 B T.  
 S. edge of mesa mts. on E. side of San Pedro Valley  
 brs. S.  $79^{\circ} 49'$  E.  
 A lone tree on high peak to N. of mouth of Aravaipa  
 canyon, brs. N.  $79^{\circ} 47'$  E.  
 Magnetic var. at this cor. is  $13^{\circ} 55'$  E.  
 Sept. 2, 1913. J. B. W.

frac.  
Retracement of west Boundary of T. 12 S., R. 12 E.

Chains.	
	<p>Sept. 10, 1913. J. B. W.            Before beginning the Subdivision of T. 12 S., R. 11 E.            I deem it advisable to retrace the W. bdy. of T. 12 S.,            R. 12 E., and determine the true bearing and test the            measurement of the portion of the line surveyed.            Therefore, at 7h a.m., l.m.t., at the cor. of Tps. 11 &amp; 12            S., Rs. 11 &amp; 12 E., which is a granite stone 7x4x6 ins.            above ground, marked and witnessed as described by the            Surveyor General,            I set off 5°04' N. on the decl. arc, and 32°26' N. on            the lat. arc, and determine a meridian with the solar.            Thence I run, as per field notes furnished by the            Surveyor General,            Var. 13°40' E.            South, bet. secs. 1 &amp; 6, on random line.            Over gently rolling valley, through field.            Old ditch, 5 lks. wide, course W.            Wire fence, brs. E. &amp; W.            Orig. ¼ sec. cor. brs. East, 14 lks. dist., which is a            granite stone 14x8x6 ins. above ground, marked and            witnessed as described by the Surveyor General.            Dry Bed of Santa Cruz River, 2 chs. wide, course W.            Orig. cor. of secs. 1, 6, 7 &amp; 12 brs. East, 28 lks. dist.,            which is a malpais stone 12x6x6 ins. above ground,            marked and witnessed as described by the Surveyor Gen.            True bearing of this mile is S. 0°12' E. 79.96 chs.            Land, level, gently rolling. Soil, 2nd rate, sandy.</p>
36.88	
37.00	
39.98	
71.00	
79.96	
<hr/>	
	<p>South, bet. secs. 7 &amp; 12, on a random line.            Over level land, through scattering greasewood.            Dim road, brs. ENE. &amp; WSW.            Orig. ¼ sec. cor. brs. East, 14 lks. dist., which is a            malpais stone 12x6x6 ins. above ground, marked and            witnessed as described by the Surveyor General.            Orig. cor. of secs. 7, 12, 13 &amp; 18 brs. east, 28 lks. dist.,            which is a malpais stone 8x8x6 ins. above ground,            marked and witnessed as described by the Surveyor Gen.            True bearing of this mile is S. 0°12' E. 80.04 chs.            Land, level, gently rolling. Soil, 2nd rate, sandy, loose.            Greasewood, mesquite brush, fair grass.</p>
3.00	
40.02	
80.04	
<hr/>	
	<p>South, bet. secs. 13 &amp; 18, on a random line,            Over gently undulating land, asc. gently, through            greasewood.            Orig. ¼ sec. cor. brs. East, 14 lks. dist., which is a            volcanic stone 10x8x5 ins. above ground, marked and            witnessed as described by the Surveyor General.            Road, Silver Bell to Tucson, brs. WNW. &amp; ESE.            Orig. cor. of secs. 13, 18, 19 &amp; 24 brs. East, 28 lks. dist.,            which is a volcanic stone 12x6x6 ins. above ground,            marked and witnessed as described by the Surveyor Gen.            Land, gently rolling. Soil, 3rd rate, sandy, loose, dry.            Greasewood, mesquite brush, paloverde, fair grass.            True bearing of this mile is S. 0°12' E. 80.02 chs.</p>
40.00	
64.25	
80.02	
<hr/>	
	<p>South, bet. secs. 19 &amp; 24, on a random line.            Over gently rolling land, asc. gently, through grease-            wood and scrub mesquite.            Wash, 20 lks. wide, course NE.            Wash, 20 lks. wide, course NW.            Wash, 15 lks. wide, course NE.            Orig. ¼ sec. cor. brs. East, 14 lks. dist., which is a            volcanic stone 12x4x5 ins. above ground, marked and            witnessed as described by the Surveyor General.            Wash, 30 lks. wide, course NE.            wash, 30 lks. wide, course NW.            Wash, 30 lks. wide, course NE.            Wash, 25 lks. wide, course NE.            Orig. cor. of secs. 19, 24, 25 &amp; 30 brs. East, 28 lks. dist.,            which is a granite stone 12x4x6 ins. above ground,            marked and witnessed as described by the Surveyor Gen.            True bearing of this mile is S. 0°12' E. 79.90 chs.            Land, gently rolling Soil, 3rd rate, sandy. Fair grass.</p>
18.20	
23.50	
38.95	
40.00	
53.40	
62.24	
67.50	
71.65	
79.90	



and completion of survey,  
26 Retracement of West Boundary of T. 12 S., R. 12 E.

Chains.	
	South, bet. secs. 25 & 30, on random line. Over rolling land, asc. grad. through dense brush.
2.00	Wash, 15 lks. wide, course NE.
16.75	Wash, 30 lks. wide, course NE.
28.60	Wash, 10 lks. wide, course NE.
34.30	Wash, 20 lks. wide, course NE.
39.84	Orig. $\frac{1}{4}$ sec. cor. brs. East, 14 lks. dist., which is a volcanic stone 12x9x6 ins. above ground, marked and witnessed as described by the Surveyor General. True bearing of this $\frac{1}{2}$ mile is S. $0^{\circ}12' E$ . 39.84 chs. At this cor., at noon, I set off $4^{\circ}58' N$ . on the decl. arc, and observe the sun on the meridian. The resulting lat. is $32^{\circ}22\frac{1}{2}' N$ .
	-----
	From the above described $\frac{1}{4}$ sec. cor., I run, South, on a random line
0.70	Old road, brs. NE. & SW.
10.80	Wash, 40 lks. wide, course NE.
19.40	Wash, 20 lks. wide, course NE.
31.00	Leave valley, brs. NE. & WSW., asc. Tucson mountains.
39.70	Orig. section cor. brs. East, 13 lks. dist., which I destroy, this line being subject to rectification from the $\frac{1}{4}$ sec. cor. bet. secs. 25 & 30, and on line at
40.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap, T 12 S in N. half, 1913 near S. rim, R 11 E S 25 in NW., R 12 E S 30 in NE., S 31 in SE., and Pits impracticable. S 36 in SW. quad.; no bearings available, raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Land, gently rolling, mts. Soil, 3rd rate, gravelly, stony, loose, dry. Greasewood, scrub mesquite, paloverde, cacti, fair grass.
	-----
	South, bet. secs. 31 & 36, over unsurveyed line. Over mts. land, asc. steep.
14.00	Asc. prec.
23.00	Top of high pinnacle, 500 ft. above valley, near NW. point, brs. NW. & SSE., drops off to SE. in sharp ridge. desc. prec. SW. slope, over barren volcanic ledges.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 16 ins. in the ground, to bed-rock, in mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 near S. rim, $\frac{1}{4}$ S 36 in W., and Pits impracticable. S 31 in E. half; no bearings available, raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
50.00	Foot of prec. descent, thence desc. steep.
75.00	Foot of main slope, brs. NW. & SE., desc. grad.
91.40	The orig. cor. of Tps. 12 & 13 S., Rs. 11 & 12 E. brs. West, 7.58 chs. dist., which is a granite stone 8x6x6 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I now change to refer to Tps. 13 S., Rs. 11 & 12 E. Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 12 S., Rs. 11 & 12 E., marked on brass cap, 1913 near S. rim, C C, S. of centre, T 12 S, in N., and T 13 S, R 11 E S 1, R 12 E S 6, in S. half, R 11 E S 36 in NW., and R 12 E S 31 in NE. quad.; from which, An ironwood tree 12 ins. diam. brs. N. $36^{\circ} W$ . 85 lks. dist., marked T 12 S R 11 E S 36 C C B T. An ironwood tree 10 ins. diam. brs. N. $66^{\circ} E$ . 47 lks. dist., marked T 12 S R 12 E S 31 C C B T. Land, rough, mts. Soil, 4th rate, stony, dry. Greasewood, mesquite, ironwood, paloverde. Lone cacti on isolated butte brs. N. $30^{\circ}48' W$ ., about 20 chs. Sept. 10, 1913. J. B. W.

## Retracement of North Boundary of T. 12 S., R. 11 E.

27

## Chains.

Sept. 14, 1913.

W. H. E.

The erratic closures on the exterior boundaries of this Tp., as now developed render it advisable to determine true bearing of the boundaries, and test the measurements thereon.

Therefore, at 8h a.m., l.m.t., at the cor. of Tps. 11 & 12 S., Rs. 11 & 12 E., which is a granite stone 7x4x6 ins. above ground, marked and witnessed as described by the Surveyor General,

I set off  $3^{\circ}30\frac{1}{2}'$  N. on the decl. arc, and  $32^{\circ}26'$  N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per field notes furnished by the Surveyor General,

West, bet. secs. 1 & 36, on a random line.

Over level valley land, along wire fence.

21.35

Wire fence, brs. N. & S.

40.05

Orig.  $\frac{1}{4}$  sec. cor. brs. S. 6 lks. dist., which is a mesquite post, marked and witnessed as described by the Surveyor General.

79.94

Orig. cor. of secs. 1, 2, 35 & 36 brs. South, 12 lks. dist., which is a granite stone 12x10x6 ins. above ground, marked and witnessed as described by the Surveyor General.

True bearing of this mile is S.  $89^{\circ}55'$  W. 79.94 chs.  
Land, level. Soil, 2nd rate, sandy, loamy, loose.  
Sparse greasewood, mesquite, fair grass.

From the cor. above described, I run,

West, bet. secs. 2 & 35, on a random line.

Over level valley land, through scattering brush.

0.40

Old irrigating ditch, brs. NW.

40.05

Orig.  $\frac{1}{4}$  sec. cor. brs. South 7 lks. dist., which is a mesquite post marked and witnessed as described by the Surveyor General.

80.14

Orig. cor. of secs. 2, 3, 34 & 35 brs. South, 14 lks. dist., which is a granite stone 8x6x6 ins. above ground, marked and witnessed as described by the Surveyor Gen.

True bearing of this mile is S.  $89^{\circ}54'$  W. 80.14 chs.  
Land, level. Soil, 3rd rate, sandy, loamy, loose.  
Greasewood, sparse mesquite brush, fair grass.

From the cor. above described, I run,

West, bet. secs. 3 & 34, on a random line.

Over level valley land, through scattering brush.

39.96

Remains of orig.  $\frac{1}{4}$  sec. cor., a granite stone lying on ground, marked as described by the Surveyor General, which I re-establish at a point 14 lks. to S. of my line, as per the orig. bearing tree, a paloverde tree 10 ins. diam., which brs. N.  $62\frac{1}{4}^{\circ}$  E. 93 lks. dist., marked  $\frac{1}{4}$  S B T.

Cor. stone, which is a granite stone 16x8x6 ins. I set 11 in. in the ground.

44.25

Wash, 30 lks. wide, course SW.

64.60

Wash, 30 lks. wide, course NW.

75.00

Dry bed of Santa Cruz River 250 lks. wide, course NNW.

79.92

Orig. cor. of secs. 3, 4, 33 & 34 brs. South, 28 lks. dist., which is a sandstone 12x6x5 ins. above ground, marked and witnessed as described by the Surveyor General.

Land, level, gently rolling.

Soil, 2nd rate, sandy, loamy, loose, fertile.

Greasewood, mesquite, paloverde, cacti, sparse grass.

At this cor., at noon, I set off  $3^{\circ}26\frac{1}{2}'$  N. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is  $32^{\circ}26'$  N.

True bearing of this mile is S.  $89^{\circ}48'$  W., 79.92 chs.

Chains.		
	<p>From the cor. of secs. 3, 4, 33 &amp; 34, I run, West, bet. secs. 4 &amp; 33, on random line, Over level valley land, through scattering brush.</p>	
39.90	<p>Find orig. <math>\frac{1}{4}</math> sec. cor. lying on ground, which is a mesquite post, marked as described by the Surveyor General. The proper location of this cor. is defined by the evident remains of pits and mound, 12 lks. to S. of line, at which point I re-set the orig. post, and renew the pits 18x18x12 ins. E. &amp; W. of cor. 3 ft. dist., and raise a mound of earth <math>3\frac{1}{2}</math> ft. base, <math>1\frac{1}{2}</math> ft. high N. of cor.</p>	
79.92	<p>Orig. cor. of secs. 4, 5, 32 &amp; 33 brs. South, 23 lks. dist., which is a granite stone 6x6x6 ins. above ground, marked and witnessed as described by the Surveyor General. Land, level, gently undulating. Soil, 2nd rate, sandy. Greasewood, mesquite, paloverde, sparse grass. <u>True bearing of this mile is S. 89°50' W. 79.92 chs.</u></p>	
	<p>From the cor. above described, I run, West, bet. secs. 5 &amp; 32, on a random line.</p>	
39.96	<p>Over gently undulating land, through scattering brush. Orig. <math>\frac{1}{4}</math> sec. cor. brs. South, 14 lks. dist., which is a mesquite post marked and witnessed as described by the Surveyor General.</p>	
79.86	<p>Orig. cor. of secs. 5, 6, 31 &amp; 32 brs. South, 28 lks. dist., which is a volcanic stone 6x6x6 ins. above ground, marked and witnessed as described by the Surveyor General. Land, level, gently undulating. Soil, 2nd &amp; 3rd rate, sandy, loamy, loose, fertile. True bearing of this mile is S. 89°48' W. 79.86 chs.</p>	
	<p>From the cor. above described, I run, West, bet. secs. 6 &amp; 31, on a random line.</p>	
39.95	<p>Over gently undulating land, through scattering brush. Find evident remains of orig. <math>\frac{1}{4}</math> sec. cor. 12 lks. to S. of line, which is an old decayed post, with faint markings as described by the Surveyor General. This cor. being badly decayed, and the marking almost illegible, I destroy, and at the orig. cor. point, Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap, 1913 on S. rim: <math>\frac{1}{4}</math> S 31 in N., and S 6 in S. half; no bearings available, dig pits 18x18x12 ins. E. &amp; W. of cor. 3 ft. dist., and raise a mound of earth <math>3\frac{1}{2}</math> ft. base, <math>1\frac{1}{2}</math> ft. high N. of cor.</p>	
88.12	<p>The orig. closing cor. of Tps. 11 &amp; 12 S., R. 11 E. brs. South, 25 lks. dist., which is a decomposing gravel stone 10x6x5 ins. above ground, marked and witnessed as described by the Surveyor General. As this cor. will in a short time become obliterated, I destroy it, and at the original cor. point, reestablished as follows: Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 11 &amp; 12 S., R. 11 E., marked on brass cap, 1913 near S. rim, C C, W. of centre, R 11 E, in E., and R 10 E, T 11 S, S 36, T 12 S, S 1, in W. half, T 11 S, S 31 in NE., and T 12 S, S 6 in SE. quad.; no bearings avail., dig pits 30x24x12 ins. crosswise on each line, N. &amp; S. 4 ft., and E. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base <math>2\frac{1}{2}</math> ft. high E. of cor. Orig. cor. of Tps. 11 &amp; 12 S., R. 10 E. brs. South, 11 chs. dist., which is a mesquite post, marked and witnessed as described by the Surveyor General, subsequently changed and re-established with 3 ins. iron post. Land, gently undulating, level. Soil, 2nd &amp; 3rd rate, sandy. Greasewood, scrub mesquite, paloverde, fair grass. True course and dist. of line bet. secs. 6 and 31 is S. 89°50' W., 88.12 chs. Sept. 14, 1913. W.H.E.</p>	

Retracement of part of N.bdy.of Township 13 South Range 11 E.  
and Resurvey of East Boundary of T. 12 S., R. 10 E.

Chains. Sept. 15, 1913. J. B. W.  
 The erratic closures of the exterior bdrs. of T. 12 S., R. 11 E. and the condition of the corners along the E. bdy. of T. 12 S., R. 10 E., render it advisable to retrace or resurvey the East bdy. of T. 12 S., R. 10 E.  
 At 8h a.m., l.m.t., at the cor. of Tps. 12 & 13 S., Rs. 10 & 11 E., which is an old mesquite post, with faint markings, as described by the Surveyor General, I set off 308' N. on the decl. arc, and 32°20' N. on the lat. arc, and determine a meridian with the solar. Thence I retrace East, bet. secs. 6 & 31, on random line. *on North bdy of T. 13 S., R. 11 E.*  
 42.04 To orig. 1/4 sec. cor., on line, which is an ironwood post, marked and witnessed as described by the Surveyor General. This verifying the position of the old Tp. cor., I return to the cor. of Tps. 12 & 13 S., Rs. 10 & 11 E., above described. As this cor. is badly decayed, I destroy it, and at the orig. cor. point, Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 12 & 13 S., Rs. 10 & 11 E., marked on brass cap, 1913 near S. rim,  
 T 12 S in N.,  
 T 13 S in S.,  
 R 11 E in E., and  
 R 10 E in W. half,  
 S 36 in NW.,  
 S 31 in NE.,  
 S 6 in SE., and  
 S 1 in SW. quad.; No bearings available, dig pits 24x24x12 ins. on each line, E., W., and N. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base 2 ft. high S. of cor. From this cor., I Resurvey the East bdy. of T. 12 S., R. 10 E. North, on E. bdy. of Sec. 36, on true line.  
 (It being evident that clos. cors. will be set on this line from the subdivision of T. 12 S., R. 11 E.)  
 Over gently rolling land, through scattering greasewood  
 1.65 Dim road, brs. NE. & W.  
 38.53 Find orig. 1/4 sec. cor. on line, which is a mesquite post, marked as described by the Surveyor General, which cor. I destroy, being out of limits in measurement, & at  
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1913 on S. rim; 1/4 S 36 in W. half; no bearings available, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.  
 76.50 Find orig. cor. of secs. 25, 30, 31 & 36 on line, which I destroy, and reestablish as follows:  
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25 & 36, marked on brass cap, T 12 S in N., and  
 S 30, S 31, R 11 E, in E. half,  
 S 25 in NW., and  
 S 36, R 10 E in SW. quad.; 1913 near S. rim; no bearings available.  
 Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, level, gently rolling.  
 Soil, 3rd rate, sandy, loose, dry, gravelly.  
 Greasewood, sparse scrub mesquite, poor grass.

Chains.	North, on E. bdy. of Sec. 25, on true line. Over gently undulating land, through scattering brush.
38.52	Orig. $\frac{1}{4}$ sec. cor. on line, which I destroy. Enter draw to NW.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 25 in W. half, from which, A mesquite tree 6 ins. diam. brs. S. 15° W. 48 lks. dist., marked $\frac{1}{4}$ S 25 B T.
78.54	Orig. cor. of secs. 19, 24, 25 & 30, on line, which I destroy, and reestab. as follows, at
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 24 & 25, marked on brass cap, T 12 S in N., and S 19, S 30, R 11 E, in E. half, 1913 near S. rim, S 24 in NW., and S 25, R 10 E in SW. quad.; from which, A mesquite tree 8 ins. diam. brs. S. 50° W. 77 lks. dist., marked T 12 S R 10 E S 25 B T. A mesquite tree 9 ins. diam. brs. N. 82° W. 105 lks. dist., marked T 12 S R 10 E S 24 B T.
	Land, gently undulating. Soil, 3rd rate, sandy, loose, heavy, clay underlying. Mesquite, greasewood, fair grass.
	North, on E. bdy. of Sec. 24, on true line. Over level land, in draw to N., through dense mesquite.
38.55	Orig. $\frac{1}{4}$ sec. cor. on line, which I destroy, and reestab. at
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 24 in W. half, from which, A mesquite tree 6 ins. diam. brs. N. 82° W. 157 lks. dist., marked $\frac{1}{4}$ S 24 B T.
78.54	Orig. cor. of secs. 13, 18, 19 & 24 on line, which I destroy, and reestablish as follows at
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13 & 24, marked on brass cap, T 12 S in N., and S 18, S 19, R 11 E in E. half, 1913 near S. rim; S 13 in NW., and S 24, R 10 E, in SW. quad.; No trees of sufficient size in limits. Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, level, gently undulating, drains to N. Soil, 3rd rate, sandy, clay subsoil, heavy, fertile. Mesquite, greasewood, fair grass.
	North, on E. bdy. of sec. 13, on true line. Over gently undulating land, through scattering brush.
38.51	Orig. $\frac{1}{4}$ sec. cor. 2 lks. to W. of line, which I destroy, & at
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 in W. half, 1913 near S. rim; dig pits 18x18x12 ins. N. & 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.
70.00	Road, brs. ESE. & WNW.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 12 & 13, marked on brass cap, T 12 S in N., and S 7, S 18, R 11 E, in E. half, 1913 on S. rim, S 12 in NW., and S 13, R 10 E in SW. quad.; no trees available, dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. No trace of old cor. found after diligent search.
	Land, gently undulating. Soil, 3rd rate, sandy, heavy. Mesquite brush, greasewood, sparse grass. At this cor., at noon, I set off $3^{\circ}32'$ N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $32^{\circ}24'$ N.

Resurvey of East Boundary of T. 12 S., R. 10 E.

Chains.

North, on E. bdy. of sec. 12, on a true line,  
 Over gently undulating land, through scattering brush.  
 38.49 Orig.  $\frac{1}{4}$  sec. cor. on line, which I destroy, and reestab. at  
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 in  
 S. rim;  $\frac{1}{4}$  S 12 in W. half; no bearings available,  
 dig pits 18x18x12 ins. N. & 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.  
 78.46 Orig. cor. of secs. 1, 6, 7 & 12 on line, which I destroy  
 78.80 Road, Silver Bell to Tucson, NW. & SE., in wash, course NW.  
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in  
 ground for reestab. cor. of secs. 1 & 12, marked on  
 brass cap, T 12 S in N., and  
 S 6, S 7, R 11 E, in E. half, 1913 on S. rim,  
 S 1 in NW., and  
 S 12, R 10 E, in SW. quad.;

dig pits 24x24x12 ins. in each sec. 6 ft. dist., and  
 raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
 Land, gently undulating.  
 Soil, 3rd rate, sandy, dry, heavy.  
 Greasewood, scribe mesquite, fair grass.

North, on E. bdy. of Sec. 1, on a true line.  
 Over gently undulating land, through scattering brush.  
 38.42 Orig.  $\frac{1}{4}$  sec. cor. on line, which I destroy, and reestab. at  
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 1 in W. half, 1913 on S. rim;  
 dig pits 18x18x12 ins. N. & 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.  
 61.00 Wash, 30 lks. wide, course NW.  
 66.20 Old road, brs. NW. & SE.  
 78.46 Orig. cor. of Tps. 11 & 12 S., R. 10 E., on line, which  
 is a mesquite post, marked and witnessed as described  
 by the Surveyor General.  
 This cor. being badly decayed, I destroy, and in orig.  
 position of cor., reestablish as follows:  
 set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in  
 the ground for cor. of Tps. 11 & 12 S., R. 10 E.,  
 marked on brass cap, 1913 on S. rim,  
 R 10 E. in W., and  
 R 11 E, T 11 S, S 31, T 12 S, S 6 in E. half,  
 T 11 S, S 36 in NW., and  
 T 12 S, S 1 in SW. quad.;

No bearings available.  
 Dig pits 30x24x12 ins. on each line, N. & S. 4 ft., and  
 W. of cor. 8 ft. dist., and  
 raise a mound of earth 5 ft. base 2 ft. high W. of cor.  
 Land, gently rolling.  
 Soil, 3rd rate, sandy, loose, loamy.  
 Greasewood, scrub mesquite, fair grass.  
 Sept. 15, 1913. J. B. W.

General Description.

The East, West, and North boundaries of T. 12 S., R. 11 E. run in general across smooth valley land, covered with mesquite, greasewood, paloverde, ironwood, sparse native grass. There is no water or timber near the lines. The southern portion of the East bdy. runs over rough, rocky ridge from the Tucson Mountains.

Latitudes, Departures, and closing errors.							
Line Designated.	True bearing.	Dist.	Latitudes.		Departures.		
			N.	S.	E.	W.	
		Chs.	Chs.	Chs.	Chs.	Chs.	Chs.
South Boundary.	west,	7.58	-----	-----	-----	7.58	-----
N.bdy. T13S, R11E.	west,	482.04	-----	-----	-----	482.04	-----
E.bdy. T12S, R10E.	North,	478.46	478.46	-----	-----	-----	-----
West Boundary,	North,	11.00	11.00	-----	-----	-----	-----
S.bdy. T11S, R11E.,	N. 89°50' E.	88.12	0.25	-----	88.12	-----	-----
	N. 89°48' E.	79.86	0.28	-----	79.86	-----	-----
	N. 89°50' E.	79.92	0.23	-----	79.92	-----	-----
	N. 89°48' E.	79.92	0.28	-----	79.92	-----	-----
	N. 89°54' E.	80.14	0.14	-----	80.14	-----	-----
	N. 89°55' E.	79.94	0.12	-----	79.94	-----	-----
W.bdy. T12S, R12E.	S. 0°12' E.	359.76	-----	359.76	1.26	-----	-----
	South,	131.40	-----	131.40	-----	-----	-----
Convergency,					0.47	-----	-----
Totals, -----			490.76	491.16	489.63	489.62	
			-----	490.76	489.62	-----	
					0.01	-----	
Error in Latitude, -----				0.40			
Error in Departure, -----							

Sept. 15, 1913.

J. B. W., and W. H. E.

Retracement and Resurvey of North Boundary of T. 13 S., R. 9 E.

Chains. Sept. 20, 1913. J. B. W.  
 Preliminary to beginning the subdivision of T. 13 S., R. 9 E., I deem it expedient to test the measurement and alinement of the North and East Boundaries thereof. Therefore, at 8h a.m., l.m.t., at the cor. of Tps. 12 & 13 S., Rs. 9 & 10 E., which is a malpais stone 8x7x6 ins. above ground, marked and witnessed as described by the Surveyor General, lat. 32°20'46" N., long. 111°22'02" W.,  
 I set off 1°12' N. on the decl. arc, and 32°21' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per field notes furnished by the Surveyor General,  
 West, on a random line, bet. secs. 1 & 36.  
 40.26 Old  $\frac{1}{4}$  sec. cor. brs. South, 5 lks. dist., which is a basalt stone 14x9x7 ins. above ground, marked and witnessed as described by the Surveyor General.  
 78.21 Old cor. of secs. 1, 2, 35 & 36 brs. South, 11 lks. dist., which is a basalt stone 11x7x6 ins. above ground, marked and witnessed as described by the Surveyor General.  
 This mile being out of limits in measurement, and there being no subdivisions to the N. or S. of the line, it becomes necessary to resurvey this boundary, destroying the old corners thereon.  
 I continue my random line to the west, and at a distance of 5 miles, 77.25 chs., the cor. of Tps. 12 & 13 S., Rs. 8 & 9 E. brs. South, 28 lks. dist., which is a limestone 12x10x6 ins. above ground, marked and witnessed as described by the Surveyor General.  
 This cor. being well preserved, and witnessed by a mound of stone 4 ft. base 3 ft. high, I leave undisturbed. At this cor., at noon, I set off 1°07' N. on the decl. arc, and observe the sun on the meridian.  
 The resulting lat. is 32°21' N.  
 The true bearing of this line is S. 89°58' W., or N. 89°58' E. I return along the old line and destroy the old corners thereon, and from the old cor. of Tps. 12 & 13 S., Rs. 9 & 10 E., ~~hereinbefore described~~, I run, on true line, reestablishing all corners S. 89°58' W. bet. secs. 1 & 36.  
 Over mts. land, asc., through dense paloverde, greasewood and cacti.  
 8.00 Asc. steep.  
 13.00 Ridge, brs. N. & S., desc. steep, through scattering brush.  
 30.00 Foot, brs. N. & S., thence over rolling land.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 36 in N., and Pits impracticable. S 1 in S. half; no trees available, raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high N. of cor.  
 48.00 Wash, 20 lks. wide, course NNE.  
 73.00 Wash, 30 lks. wide, course NNE.  
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 35 & 36, marked on brass cap, T 12 S in N., T 13 S in S., and R 9 E, in W. half, 1913 on S. rim; S 35 in NW., S 36 in NE., S 1 in SE., and Pits impracticable. S 2 in SW. quad.; no trees available, raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
 Land, mts., rolling.  
 Soil, 3rd rate, stony, gravelly, dry.  
 Paloverde, greasewood, cacti, sparse native grass.



34

## Re-survey of North Boundary of T. 13 S., R. 9 E.

Chains.	S. 89°58' W. bet. secs. 2 & 35. Over rolling land, asc. grad., through scattering brush.
10.00	Asc. prec.
35.00	High rocky ridge, 500 ft. above valley, brs. N. & S., desc. prec.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 10 ins. in the ground, in bed-rock, in mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim, $\frac{1}{4}$ S 35 in N., and Pits imprac. S 2 in S. half; no bearings available, raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
50.00	Foot of main slope, brs. NW. & SE., desc. grad.
67.50	Gulch, 40 lks. wide, course S., asc. steep.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 12 S in N., T 13 S in S. & R 9 E in W. half, 1913 in S. rim; S 34 in NW., S 35 in NE., S 2 in SE., and S 3 in SW. quad.; no bearings available, pits impracticable. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, mts., broken. Soil, 3rd rate, stony, gravelly, dry. Paloverde, greasewood, cacti, sparse grass.
<hr/>	
	S. 89°58' W. bet. secs. 3 & 34. Over mts. land, asc., through scattering brush.
1.00	Ridge, brs. N. & S., desc.
25.00	Foot, brs. NNE. & SW., enter valley.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 34 in N., and No bearings available. S 3 in S. half; 1913 on S. rim; Pits imprac. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
45.00	Low pass bet. hills to N. & S.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33 & 34, marked on brass cap, T 12 S in N., T 13 S in S. & R 9 E in W. half, S 33 in NW., S 34 in NE., S 3 in SE., and S 4 in SW. quad.; 1913 on S. rim; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, mts., rolling. No bearings available. Pits imprac. Soil, 3rd rate, stony, gravelly, dry. Paloverde, greasewood, cacti, sparse grass.
<hr/>	
	S. 89°58' W. bet. secs. 4 & 33. Over rolling land, through dense brush.
14.65	Road, brs. NNE. & SSW.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 33 in N., and S 4 in S. half; from which, A paloverde tree 8 ins. diam. brs. N. 38° E. 25 lks. dist., marked $\frac{1}{4}$ S 33 B T. A paloverde tree 10 ins. diam. brs. S. 12° E. 37 lks. dist., marked $\frac{1}{4}$ S 4 B T.
62.40	Road, brs. N. & SSE.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 & 33, marked on brass cap, T 12 S in N., T 13 S in S., and R 9 E in W. half, 1913 on S. rim, S 32 in NW., S 33 in NE., S 4 in SE., and S 5 in SW. quad.; from which,

Re-survey of North Boundary of T. 13 S., R. 9 E. 35

Chains.

- A paloverde tree 6 ins.diam.brs.N.47<sup>3</sup>/<sub>4</sub>°E. 60 lks. dist., marked T 12 S R 9 E S 33 B T.
- A paloverde tree 9 ins.diam.brs.S.12°E. 89 lks. dist., marked T 13 S R 9 E S 4 B T.
- A paloverde tree 8 ins.diam.brs.S.75°W. 92 lks. dist., marked T 13 S R 9 E S 5 B T.
- A paloverde tree 6 ins.diam.brs.N.82<sup>3</sup>/<sub>4</sub>°W. 51 lks. dist., marked T 12 S R 9 E S 32 B T.

Land, rolling.  
 Soil, 3rd rate, gravelly, sandy, dry, loose.  
 Paloverde, greasewood, cacti, sparse grass.

S. 89°58' W. bet. secs. 5 & 32.

Over rolling land, through dense brush, asc. grad.

22.10

Wash, 15 lks. wide, course NE.

40.00

Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <sup>1</sup>/<sub>4</sub> sec. cor., marked on brass cap, 1913 on S. rim; <sup>1</sup>/<sub>4</sub> S 32 in N., and S 5 in S. half; from which,

A paloverde tree 8 ins.diam.brs.N.42°E. 37 lks. dist., marked <sup>1</sup>/<sub>4</sub> S 32 B T.

A paloverde tree 6 ins.diam.brs.S.13<sup>1</sup>/<sub>2</sub>°W.113 lks.dist., marked <sup>1</sup>/<sub>4</sub> S 5 B T.

53.00

Road, brs. NW. & SE.

67.00

Road, brs. N. & S.

71.00

Wash, 30 lks. wide, course S.

80.00

Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 12 S in N., 1913 on S.rim; T 13 S in S., and ( S 31 in NW., S 32 in NE. from which, R 9 E in W. half; (S 5 in SE, & S 6 in SW.quad.;

A paloverde tree 6 ins.diam.brs.N.74°E. 72 lks. dist., marked T 12 S R 9 E S 32 B T.

A paloverde tree 10 ins.diam.brs.S.60°E.168 lks.dist., marked T 13 S R 9 E S 5 B T.

A paloverde tree 6 ins.diam.brs.S.52<sup>1</sup>/<sub>2</sub>°W.119 lks.dist., marked T 13 S R 9 E S 6 B T.

A paloverde tree 8 ins.diam.brs.N.2<sup>3</sup>/<sub>4</sub>°W. 67 lks. dist., marked T 12 S R 9 E S 31 B T.

Land, rolling, broken.  
 Soil, 3rd rate, gravelly, stony, dry, loose.

S. 89°58' W. bet. secs. 6 & 31.

Over broken land, through dense brush, drains to S.

9.50

Road, brs. NE. & SW.

13.00

Wash, 40 lks. wide, course SE.

24.00

Road, brs. NW. & SE.

40.00

Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <sup>1</sup>/<sub>4</sub> sec. cor., marked on brass cap, 1913 on S. rim; <sup>1</sup>/<sub>4</sub> S 31 in N., and S 6 in S. half; from which,

A paloverde tree 6 ins.diam.brs.N.21°E. 53 lks. dist., marked <sup>1</sup>/<sub>4</sub> S 31 B T.

A paloverde tree 6 ins.diam.brs.S.28<sup>1</sup>/<sub>2</sub>°W. 11 lks. dist., marked <sup>1</sup>/<sub>4</sub> S 6 B T.

47.30

Wash, 20 lks. wide, course S.

77.25

Old cor. of Tps. 12 & 13 S., Rs. 8 & 9 E., hereinbefore described.

Land, broken, heavily rolling.  
 Soil, 3rd rate, gravelly, stony, dry.  
 Paloverde, greasewood, mesquite, cacti, fair grass.

General Description.

The N. bdy. of T. 13 S., R. 9 E. runs over valley land, crossing several isolated ridges, or buttes of igneous or volcanic stone. There is no timber or water along or near the line, nor any indications of mineral.

Chains.

Sept. 20, 1913.

W. H. E.

Preliminary to beginning the subdivision of T. 13 S., R. 9 E., in order to locate the corners along the E. bdy. of the Tp., and test the measurement and alinement thereof,

At 8h a.m., l.m.t., at the cor. of Tps. 12 & 13 S., Rs. 9 & 10 E., which is a malpais stone 8x7x6 ins. above ground, marked and witnessed as described by the Surveyor General, lat.  $32^{\circ}20'46''$  N., long.  $111^{\circ}22'02''$  W., I set off 1912' N. on the decl. arc, and  $32^{\circ}21'$  N. on the lat. arc, and determine a meridian with the solar.

Thence I run,

South, on a random line, along the E. bdy. of the Tp. I find the measurement practically identical with the measurement as recorded in field notes furnished by the Surveyor General, and the corners well established and witnessed and marked as per said field notes. The true bearing of the line is S.  $0^{\circ}2'$  E., as evidenced by a practically uniform falling of 4 or 5 lks. per mile to the East from my random line.

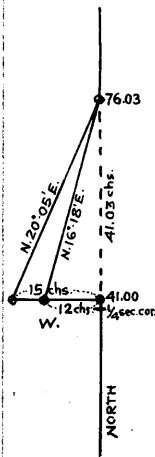
No further data along this line considered necessary.

Sept. 20, 1913.

W. H. E.

portion of Retracem<sup>t</sup> & Re-survey of West Boundary of T. 12 S., R. 9 E.

Chains. Sept. 27, 1913. old W. H. E.  
 At 8h a.m., l.m.t., at the cor. of Tps. 12 & 13 S.,  
 Rs. 8 & 9 E., hereinbefore described,  
 I set off 32°21' N. on the lat. arc, and 1°32' S. on the  
 decl. arc, and determine a meridian with the solar...  
 Thence I run, for purposes of retracement and testing  
 the orig. W. bdy. of T. 12 S., R. 9 E.,  
 North, bet. secs. 31 & 36, on random line.  
 Over broken foothills, asc. grad. through dense  
 paloverde, greasewood, cacti, fair grass.  
 22.00 Wash, 25 lks. wide, course SE. asc.  
 35.00 Set flag on line for triangulation point on spur from W.  
 desc. grad.  
 40.00 Orig. 1/4 sec. cor. on line, which is a limestone 10x4x5 ins.  
 ins. above ground, marked and witnessed as described  
 by the Surveyor General.  
 41.00 Gulch, 50 lks. wide, course SE., thence asc. prec. SW.  
 slope, impracticable to chain; therefore I return to  
 my flag as set at 35.00 chs. on this line, whence I  
 send a man ahead and place a flag on line on top of  
 high rocky spur to N.  
  
 Then I measure a base line to the West, setting flags  
 on this base at 12 and 15 chs. dist.  
 From the 12 ch. point on base, the flag to N. brs.  
 N. 16°18' E., the included angle is therefore 73°42'.  
 Dist. to flag is tang. 73°42', 3.41973x12 = 41.037 chs.  
 From the 15 ch. point on base, the flag to N. brs.  
 N. 20°05' E., the included angle is therefore 69°55'.  
 Dist. to flag is tang. 69°55', 2.73509x15 = 41.026 chs.;  
 the mean of my triangulations is 41.03 chs., my  
 two triangulations checking closely, I assume the  
 calculated dist. to flag to be correct.  
 35.00 chs. + 41.03 chs. =  
 76.03 To flag on line, top of high rocky spur from peak to  
 E., brs. W. & E., desc. grad.  
 78.00 Desc. prec. WNW. slope.  
 82.00 Find orig. cor. of secs. 25, 30, 31 & 36, which is a  
 limestone 9x5x6 ins. above ground, marked and witnessed  
 as described by the Surveyor General.  
 This cor. being out of limits in dist., I destroy, and  
 reestablish as follows:  
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in  
 the ground for cor. of secs. 25, 30, 31 & 36, marked on  
 brass cap, T. 12 S in N. half, 1913 on S. rim,  
 R 8 E S 25 in NW.,  
 R 9 E S 30 in NE.,  
 S 31 in SE., and  
 S 36 in SW. quad.; no bearings available,  
 pits, impracticable.  
 Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
 Land, broken, mts.  
 Soil, 3rd & 4th rate, gravelly, stony, dry.  
 Paloverde, greasewood, cacti, fair grass in places.  
 At this cor., at noon, I set off 1°36 1/2' S. on the decl.  
 arc, and observe the sun on the meridian.  
 The resulting lat. is 32°21 1/2' N.



38 Resurvey of portion of West Boundary of T. 12 S., R. 9 E.

Chains. From the cor. of secs. 25, 30, 31 & 36, re-established by me, I run, North, bet. secs. 25 & 30, on random line. Over broken, stony land, desc. WNW. slope, through dense brush.

19.84 Intersect line 1-4 of Carbonate Lode, U. S. Mineral Survey No. 2586, whence cor. No. 1 brs. N.57°50'E., 2.37 chs. dist., asc. SW. slope.

26.94 High rocky spur, brs. NW. & SE., desc. prec. over bluffs.

40.00 Find no trace of orig.  $\frac{1}{4}$  sec. cor., as described by the Surveyor General. Reestab.  $\frac{1}{4}$  sec. cor. as follows: Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 25 in W., and Pits imprac. S 30 in E. half; no bearings available, raise a mound of stone 2 ft. base, 1  $\frac{1}{2}$  ft. high W. of cor.

41.00 Desc. steep.

43.50 Road, brs. ESE. & WNW. from mine to W.

45.50 Gulch, 40 lks. wide, course ENE., asc. steep.

58.27 Intersect line 2-3 of Climax Lode, U.S. Mineral Survey No. 2586, whence cor. No. 2 brs. S.32°10'E. 8.26 chs. dist. Thence desc. grad.

82.30 Find orig. cor. of secs. 19, 24, 25 & 30, on line, which is a limestone 10x6x6 ins. above ground, marked and witnessed as described by the Surveyor General. Land, mts., broken. Soil, 3rd & 4th rate, stony, gravelly, dry. Paloverde, greasewood, cacti, fair grass.

Sept. 27, 1913.

W. H. E.

Latitudes, Departures, and closing errors.  
of South portion of T. 12 S., R. 9 E.  
(For retracement of S. bdy. of secs. 19, 20, 21 & 22, of T. 12 S., R. 9 E., see Book "O", page 15)

Line Designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
South Boundary,	S.89°58'W.	477.25	-----	0.28	-----	477.25
W. Bdy. Secs. 30 & 31.	North,	162.30	162.30	-----	-----	-----
S. Bdy. Secs. 19 & 20.	S.89°46'E.	158.16	-----	0.65	158.16	-----
S. Bdy. Sec. 21	S.89°42'E.	79.65	-----	0.42	79.65	-----
S. Bdy. Sec. 22	S.89°37'E.	79.67	-----	0.54	79.67	-----
S. Bdy. Secs. 23 & 24.	East, ?	160.00	-----	-----	160.00	-----
E. Bdy. Secs. 25 & 36.	South,	160.00	-----	160.00	-----	-----
Convergency,					0.15	
	Totals,	-----	162.30	161.89	477.63	477.25
			161.89	-----	477.25	-----
	Error in Lat.,	-----	0.41			
	Error in Dep.,	-----			0.38	

Sept. 27, 1913.

W. H. E.

Retracement of South Boundary of T. 11 S., R. 9 E., and portion of West Boundary of T. 12 S., R. 9 E. 39

Chains. Oct. 3, 1913. J. B. W.  
 At 8h a.m., l.m.t., at the cor. of Tps. 11 & 12 S., Rs. 9 & 10 E., which is a basalt stone 8x6x4 ins. above ground, marked & witnessed as described by Surveyor Gen., I set off 3°51½' S. on the decl. arc, and 32°26' N. on the lat. arc, and determine a meridian with the solar. Thence I run, for purposes of retracement and testing the orig. S. bdy. of T. 11 S., R. 9 E., N. 89°55' W., on a random line, on S. bdy. of Tp., as per field notes furnished by the Surveyor General.

39.03 Orig. ¼ sec. cor. brs. North, 10 lks. dist., which is a basalt stone 6x6x5 ins. above ground, marked and witnessed as described by the Surveyor General.

78.95 Orig. cor. of secs. 1, 2, 35 & 36 brs. North, 23 lks. dist., which is a porphyry stone, 12x7x6 ins. above ground, marked and witnessed as described by the Surveyor General.

I continue my random line, finding all the orig. cors. as described by the Surveyor General, but as an error of 1 ch. was shown in the first ½ mile, it will therefore be necessary to re-survey the entire boundary.

At 477.60 chs. the orig. cor. of Tps. 11 & 12 S., Rs. 8 & 9 E. brs. North, 167 lks. dist., which is a porphyry stone 12x12x6 ins. above ground, marked and witnessed as described by the Surveyor General. Oct. 13, 1913. J.B.W.

Retracement of portion of W. bdy. of T. 12 S., R. 9 East.

Oct. 4, 1913. J.B.W.  
 At 8h a.m., l.m.t., at the cor. of Tps. 11 & 12 S., Rs. 8 & 9 E., as above described, I set off 4°15' S. on the decl. arc, and 32°26' N. on the lat. arc, and determine a meridian with the solar. Thence I run, South, on a random line, along W. bdy. of T. 12 S., R. 9 E.

39.87 Orig. ¼ sec. cor. brs. West, 20 lks. dist., which is a porphyry stone 9x4x6 ins. above ground, marked and witnessed as described by the Surveyor General.

79.74 Orig. cor. of secs. 1, 6, 7 and 12, brs. West, 54 lks. dist., which is a porphyry stone 9x6x5 ins. above ground, marked and witnessed as described by the Surveyor General.

-----

Thence I run, South, bet. secs. 7 & 12, on random line.

40.26 Orig. ¼ sec. cor., brs. East, 30 lks. dist., which is a Porphyry stone 8x5x6 ins. above ground, marked and witnessed as described by the Surveyor General.

80.26 Orig. cor. of secs. 7, 12, 13 & 18 brs. East, 44 lks. dist., which is a porphyry stone 9x5x6 ins. above ground, marked and witnessed as described by the Surveyor Gen.

It is evident that before beginning the subdivision of T. 11 S., R. 9 E., or completing the subdivision of T. 12 S., R. 9 E., that it is necessary to resurvey the frac. W. bdy. of T. 12 S., R. 9 E., due north, from the cor. of secs. 7, 12, 13 & 18, re-establishing the cor. of Tps. 11 & 12 S., Rs. 8 & 9 E., at 160.00 chs., setting proper corners on true line at intervals of 40 chs, destroying the old corners.

Thence from the re-established Tp. cor. to run on true line Easterly along the S. bdy. of T. 11 S., R. 9 E., destroying the old corners along this line, and setting proper corners at intervals of 40 chs. from the cor. of Tps. 11 & 12 S., Rs. 9 & 10, E., throwing the shortage in measurement in the last ½ mile to the West. I now proceed to do.

40

Re-survey portion W. bdy. of T. 12 S., R. 9 E.

	<p>orig. From the cor. of secs. 7, 12, 13 &amp; 18, on W. bdy. of T. 12 S., R. 9 E., hereinbefore described, I run, on true line, North, bet. secs. 7 &amp; 12. Over broken land, through dense paloverde, greasewood, cacti.</p>
1.55	Wash, 30 lks. wide, course SE., asc. prec.
31.00	Ridge, brs. E. & W., desc. prec.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 12 in W., and S 7 in E. half; from which, A paloverde tree 6 ins. diam. brs. S. $5\frac{1}{2}^{\circ}$ E. 30 lks. dist., marked $\frac{1}{4}$ S 7 B T. A paloverde tree 6 ins. diam. brs. S. $81\frac{1}{2}^{\circ}$ W. 9 lks. dist., marked $\frac{1}{4}$ S 12 B T.
52.50	Gulch, 20 lks. wide, course NE.
55.50	Gulch, 30 lks. wide, course E., asc.
64.30	Ridge, brs. E. & W., desc.
80.00	Cor. point falls in gulch, 10 lks. wide, course NE.
80.10	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for witness cor. to cor. of secs. 1, 6, 7 & 12, marked on brass cap, 1913 on S. rim; W C S. of centre, T 12 S in N. half, R 8 E S 1 in NW., R 9 E S 6 in NE., S 7 in SE., and S 12 in SW. quad.; from which, A paloverde tree 4 ins. diam. brs. N. $26\frac{1}{2}^{\circ}$ E. 41 lks. dist., marked T 12 S R 9 E S 6 W C B T. A paloverde tree 6 ins. diam. brs. S. $71\frac{1}{4}^{\circ}$ E. 53 lks. dist., marked T 12 S R 9 E S 7 W C B T. A paloverde tree 6 ins. diam. brs. S. $36\frac{1}{4}^{\circ}$ W. 47 lks. dist., marked T 12 S R 8 E S 12 W C B T. A paloverde tree 4 ins. diam. brs. N. $18^{\circ}$ W. 26 lks. dist., marked T 12 S R 8 E S 1 W C B T.
	Land, mts., broken. Soil, 3rd rate, gravelly, stony, dry. paloverde, greasewood, mesquite, cacti, sparse grass.
	North, bet. secs. 1 and 6, on true line from cor. point. Over broken land, through dense brush. Witness cor., above described.
0.10	Gulch, 60 lks. wide, course E.
21.75	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 1 in W., and S 6 in E. half; from which, An ironwood tree 8 ins. diam. brs. N. $3\frac{1}{2}^{\circ}$ E. 110 lks. dist., marked $\frac{1}{4}$ S 6 B T. A paloverde tree 6 ins. diam. brs. S. $75\frac{1}{2}^{\circ}$ W. 148 lks. dist., marked $\frac{1}{4}$ S 1 B T.
40.00	Wash, 20 lks. wide, course NE.
51.30	Wash, 30 lks. wide, course NE.
60.30	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 11 & 12 S., Rs. 8 & 9 E., marked on brass cap, 1913 on S. rim, T 11 S in N., T 12 S in S., R 9 E in E., and R 8 E in W. half, S 36 in NW., S 31 in NE., S 6 in SE., and S 1 in SW. quad., from which, A paloverde tree 4 ins. diam. brs. N. $41^{\circ}$ E. 104 lks. dist., marked T 11 S R 9 E S 31 B T. A paloverde tree 8 ins. diam. brs. S. $11^{\circ}$ E. 98 lks. dist., marked T 12 S R 9 E S 6 B T. A paloverde tree 8 ins. diam. brs. S. $23\frac{3}{4}^{\circ}$ W. 114 lks. dist., marked T 12 S R 8 E S 1 B T. A paloverde tree 6 ins. diam. brs. N. $35^{\circ}$ W. 130 lks. dist., marked T 11 S R 8 E S 36 B T.
80.00	Land, broken. Soil, 3rd rate, gravelly, dry. paloverde, ironwood, mesquite, greasewood, cacti. At this cor. at noon, I set off $4^{\circ}19\frac{1}{2}'$ S. on the decl. arc, and observe the sun on the meridian. Obs. Lat. is $32^{\circ}26' N.$
	J.B.W.

Re-survey of South Boundary of T. 11 S., R. 9 E.

Chains.	J.B.W.
	<p>My random line on S. bdy. of T. 11 S., R. 9 E., at 477.60 chs. falls 167<sup>1</sup>/<sub>2</sub> lks. S. of the cor. of Tps. 11 &amp; 12 S., Rs. 8 &amp; 9 E., re-established by me, The random being run on a bearing of N. 89°55' W., The true course of the return line is therefore S. 89°43' E. Therefore I run from the re-established cor. of Tps. 11 &amp; 12 S., Rs. 8 &amp; 9 E., hereinbefore desc. S. 89°43' E., on a true line on S. bdy. of Tp. 11 S., R. 9 E. bet. secs. 6 &amp; 31.</p>
	<p>(Destroying all old corners on this bdy. and setting corners common to 2 secs. only for the west 2 miles. as rendered necessary by results of retracements in subdivisions of T. 12 S., R. 9 E., by W. H. Elliott.) Over heavily rolling, broken land, through dense paloverde, greasewood, mesquite, cacti, fair grass.</p>
5.60	Wash, 20 lks. wide, course NE.
14.25	Wash, 20 lks. wide, course NE.
37.60	<p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <sup>1</sup>/<sub>4</sub> sec. cor., marked on brass cap, 1913 on S. rim; <sup>1</sup>/<sub>4</sub> S 31 in N. half, from which, A paloverde tree 10 ins. diam. brs. N. 52° E. 85 lks. dist., marked <sup>1</sup>/<sub>4</sub> S 31 B T.</p>
41.60	Wash, 20 lks. wide, course NE.
77.60	<p>Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 31 &amp; 32, marked on brass cap, T 11 S in N., and R 9 E in W., and T 12 S, S 5, S 6, in S. half, 1913 on S. rim; S 31 in NW., and S 32 in NE. quad.; from which, A paloverde tree 8 ins. diam. brs. N. 71° E. 28 lks. dist., marked T 11 S R 9 E S 32 B T. A paloverde tree 8 ins. diam. brs. N. 18° W. 33 lks. dist., marked T 11 S R 9 E S 31 B T.</p> <p>Land, broken, rolling. Soil, 3rd rate, gravelly, dry. Paloverde, mesquite, cacti, greasewood, fair grass.</p>
40.00	<p>S. 89°43' E. bet. secs. 5 &amp; 32. Over broken, rolling land, through dense brush. Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <sup>1</sup>/<sub>4</sub> sec. cor., marked on brass cap, 1913 on S. rim; <sup>1</sup>/<sub>4</sub> S 32 in N. half, from which, A paloverde tree 8 ins. diam. brs. N. 25<sup>1</sup>/<sub>2</sub>° W. 78 lks. dist., marked <sup>1</sup>/<sub>4</sub> S 32 B T.</p>
48.00	Wash, 10 lks. wide, course SE.
80.00	<p>Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 32 &amp; 33, marked on brass cap, T 11 S in N., R 9 E in W., and T 12 S, S 4, S 5, in S. half, 1913 on S. rim; S 32 in NW., and S 33 in NE. quad.; from which, An ironwood tree 8 ins. diam. brs. N. 36<sup>1</sup>/<sub>4</sub>° E. 87 lks. dist., marked T 11 S R 9 E S 33 B T. A paloverde tree 6 ins. diam. brs. N. 58<sup>1</sup>/<sub>2</sub>° W. 50 lks. dist., marked T 11 S R 9 E S 32 B T.</p> <p>Land, broken, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, paloverde, cacti, greasewood, sparse grass.</p>



Chains.

S. 89°43' E. bet. secs. 4 & 33.  
 Over rolling land, through dense brush.  
 11.00 Wash, 20 lks. wide, course NE.  
 20.00 Wash, 50 lks. wide, course NE.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim ;  $\frac{1}{4}$  S 33 in N. half, from which,  
 A paloverde tree 6 ins. diam. brs. N. 52° E. 58 lks. dist., marked  $\frac{1}{4}$  S 33 B T.  
 45.00 Wash, 40 lks. wide, course SE.  
 48.00 Wash, 50 lks. wide, course NE.  
 75.00 Wash, 40 lks. wide, course SE.  
 80.00 Point for cor. of secs. 3, 4, 33 & 34, falls in wash, 30 lks. wide, course SE.  
 80.50 Set a iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for witness cor. to cor. of secs. 3, 4, 33 & 34, marked on brass cap, 1913 on S. rim,  
 W C, W. of centre,  
 T 11 S in N.,  
 T 12 S in S., and  
 R 9 E in W. half,  
 S 33 in NW.,  
 S 34 in NE.,  
 S 3 in SE., and  
 S 4 in SW. quad.; from which,  
 A paloverde tree 10 ins. diam. brs. N. 75 $\frac{1}{2}$ ° E. 59 lks. dist., marked T 11 S R 9 E S 34 W C B T.  
 A mesquite tree 6 ins. diam. brs. S. 79° E. 57 lks. dist., marked T 12 S R 9 E S 3 W C B T.  
 A mesquite tree 14 ins. diam. brs. S. 65 $\frac{1}{2}$ ° W. 60 lks. dist., marked T 12 S R 9 E S 4 W C B T.  
 A paloverde tree 10 ins. diam. brs. N. 39 $\frac{1}{2}$ ° W. 90 lks. dist., marked T 11 S R 9 E S 33 W C B T.  
 Land, broken, rolling.  
 Soil, 3rd rate, gravelly, sandy, loose, dry.  
 Mesquite, paloverde, cacti, greasewood, sparse grass.

S. 89°43' E., bet. secs. 3 and 34, from cor. point in wash.  
 Over rolling land, through dense brush.  
 0.50 Witness cor., above described.  
 11.60 Wash, 50 lks. wide, course SE.  
 17.00 Wash, 40 lks. wide, course NE.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim ;  $\frac{1}{4}$  S 34 in N., and  
 S 3 in S. half; from which,  
 A paloverde tree 8 ins. diam. brs. N. 74° E. 222 lks. dist., marked  $\frac{1}{4}$  S 34 B T.  
 A paloverde tree 8 ins. diam. brs. S. 46° E. 120 lks. dist., marked  $\frac{1}{4}$  S 3 B T.  
 69.00 Road, brs. NNE. & SSW.  
 79.00 Wash, 40 lks. wide, course ESE.  
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 11 S in N., T 12 S in S., and  
 R 9 E in W. half, 1913 on S. rim ;  
 S 34 in NW., S 35 in NE.,  
 S 2 in SE., and S 3 in SW. quad.; from which,  
 A mesquite tree 10 ins. diam. brs. N. 34 $\frac{1}{2}$ ° E. 54 lks. dist., marked T 11 S R 9 E S 35 B T.  
 An ironwood tree 6 ins. diam. brs. S. 68 $\frac{1}{2}$ ° E. 32 lks. dist., marked T 12 S R 9 E S 2 B T.  
 A paloverde tree 10 ins. diam. brs. S. 41° W. 101 lks. dist., marked T 12 S R 9 E S 3 B T.  
 A paloverde tree 8 ins. diam. brs. N. 78 $\frac{1}{2}$ ° W. 129 lks. dist., marked T 11 S R 9 E S 34 B T.  
 Land, rolling.  
 Soil, 2nd & 3rd rate, loamy, sandy, loose, dry.  
 Mesquite, paloverde, cacti, ironwood, greasewood, sparse grass.

Resurvey of South bdy. of Township 11 South, Range 9 East. 43.

Chains

S-89°43'E., bet. secs.2 and 35.  
 Over gently rolling land, through dense brush.

4.80 Wash, 2 chs.wide, course ESE.  
 24.00 Wash, 1 ch. wide, course ESE.  
 37.50 Wash, 1 ch. wide, course ESE.  
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 1913 on S.rim;  
 $\frac{1}{4}$  S 35 in N., and  
 S 2 in S-half; no bearings available.  
 Dig pits 18x18x12 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.

48.40 Wash, 1 ch.wide, course ENE.  
 59.50 Wash, 2 chs.wide, course ESE.  
 80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in  
 the ground, for cor.of secs.-1,2,35 and 36, marked on  
 brass cap,  
 T 11 S in N.,  
 T 12 S in S., and  
 R 9 E in W-half;  
 1913 on S.rim;  
 S 35 in NW.,  
 S 36 in NE.,  
 S 1 in SE., and  
 S 2 in SW. quadrant; from which,  
 An ironwood tree, 10 ins. in diam., brs.S-46 $\frac{1}{2}$ °E.,  
 127 lks.dist., marked T 12 S R 9 E S 1 B T.  
 A mesquite tree, 10 ins. in diam., brs.S-21°W.,  
 162 lks.dist., marked T 12 S R 9 E S 2 B T.  
 No other bearings available. Pits impracticable.  
 Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$  ft. high, west of cor.  
 Land, rolling.  
 Soil, 3rd rate, gravelly, dry, loose.  
 Mesquite, palo verde, cacti, greasewood, fair grass.

S-89° 43' E., bet. secs. 1 and 36.  
 Over gently rolling land, through dense heavy mesquite,  
 catclaw, ironwood.

5.10 Wash, 150 lks.wide, course ENE.  
 12.40 Wash, 150 lks.wide, course ESE.  
 15.40 Wash, 100 lks.wide, course ENE.  
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 1913 on S.rim,  
 $\frac{1}{4}$  S 36 in N., and  
 S 1 in S-half; no Bearings available.  
 Dig pits 18x18x12 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, north  
 of cor.

60.10 Wash, 200 lks.wide, course ESE.  
 72.10 Road brs.N.and S.  
 80.00 To orig. cor.of Ts.11 and 12 S., Rs.9 and 10 E.,herein-  
 before described.  
 Land, rolling.  
 Soil, 3rd rate, sandy, loamy, loose, dry.  
 Mesquite, ironwood, palo verde, greasewood, fair grass.  
 Oct. 4, 1913.  
 J.B.W.

44. Resurvey of South bdy. of Township 11 South, Range 9 East.

GENERAL DESCRIPTION.

The south bdy. of T. 11 S., R. 9 E., as resurveyed by me, runs over heavily rolling or broken land in the west, descending gradually to smooth or gently rolling land to the east.

There is no water or timber along or near the line.  
J. B. W.

Northern portion of Township 12 South, R. 9 E.  
Latitudes, departures and closing errors.  
(For retracement of N. bdrs. of secs. 15, 16, 17 and 18, see Book "O," of Subdivision of T. 12 S., R. 9 E.)

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
Subdivisional South bdy.	N. 89° 52' W.	79.92	0.19			79.92
	N. 89° 53' W.	80.20	0.16			80.20
	N. 89° 45' W.	79.70	0.35			79.70
	N. 89° 50' W.	79.54	0.23			79.54
	N. 89° 39' W.	79.96	0.49			79.96
	N 89° 50' W.	78.50	0.23			78.50
West bdy.	North,	160.00	160.00			
North bdy.	S. 89° 43' E.	477.60		2.37	477.60	
East bdy.	South,	160.00		160.00		
Convergency,					0.15	
Totals,			161.65	162.37	477.75	477.82
				161.65		477.75
Error in latitude,				0.72		
Error in departure,						0.07

Oct. 4, 1913.

J. B. W.

Retracement and

Resurvey of West bdy. of Township 10 South Range 9 East.

Chains

W.H.E.

Oct. 13, 1913:  
 Before beginning the subdivision of T.10 S., R.8 E., it is deemed advisable to retrace the east bdy. of the Tp., and test the measurement and alignment thereof. Therefore,  
 At 8h. 30m. a.m., l.m.t., at the standard closing cor. of T.10 S., R.9 E., which is a malpais stone 8x6x6 ins., above ground, as described by the Surveyor General, now changed by J.B. Wright to refer to 2 townships, as described in Book "B,"  
 I set-off 7°41'S., on the decl. arc; and 32°30½'N. on the lat. arc, and determine a meridian with the solar.  
 Thence I retrace,  
 North, bet. secs. 31 and 36, on random line.  
 Over mountainous, broken land, along SW. slope, through dense greasewoods, cacti, scrub mesquite and palo verde.  
 Ascend steep.  
 Spur brs. W. and E.; descend precipitously.  
 Foot, brs. NE. and WSW.  
 Gulch, 30 lks. wide, course WSW.; ascend steep.  
 Ridge, brs. W. and E.; descend steep.  
 ¼ sec. cor. brs. east, 8 lks. dist., which is a malpais stone 10x8x6 ins. above ground, marked and witnessed as described by the Surveyor General.  
 True course of this half mile is N.0°7' E., 40.00 chs.  
 Thence I run,  
 North, on random line.  
 Foot of main slope, brs. W. and E.; descend gradually.  
 Wash, 55 lks. wide, course SW.  
 Point for sec. cor. in wash, 40 lks. wide, course NW.; ascend.  
 Original witness cor. to cor. of secs. 30 and 31, brs. east 7 lks. dist., which is a malpais stone 10x8x6 ins., above ground, marked and witnessed as described by the Surveyor General, which I now change to refer to 4 secs.  
 True course of this half mile is N.0°7'E., 40.02 chs.  
 Land, broken, mountainous.  
 Soil, 3rd rate, gravelly, stony, dry.  
 Palo verde, greasewood, cacti.

5.00  
 14.50  
 24.00  
 24.50  
 29.00  
 40.00  
  
 11.00  
 33.20  
 40.02  
 40.52

-----  
 From the cor. point of secs. 25, 30, 31 and 36, I run,  
 North, bet. secs. 25 and 30, on random line.  
 Over mountainous, broken land, through dense brush.  
 Witness cor. above described.  
 Telegraph line, brs. NE. & SW.  
 Middle of single track of Arizona Southern Railroad, brs. N.18° 32'E., and S.18°32'W., Red Rock to Silver Bell.  
 Telephone line, Red Rock and Sasco to Silver Bell, brs. NNE. and SSW.  
 Wash, 35 lks. wide, course NE.  
 Road brs. NE. and SW.  
 ¼ sec. cor. brs. E. 15 lks. dist., which is a malpais stone 8x5x6 ins. above ground, marked and witnessed as described by the Surveyor General.  
 True course of this ½ mile is N.0° 13'E., 40.14 chs.

0.50  
 11.05  
 17.52  
 24.75  
 28.20  
 35.50  
 40.14

-----  
 Thence I run, North, on random line.  
 Wash, 20 lks. wide, course NE.  
 Orig. cor. of secs. 19 and 30, brs. east 15 lks. dist., which is a malpais stone 8x8x6 ins. above ground, marked and witnessed as described by the Surveyor General, which I now change to refer to 4 secs.  
 True course of this ½ mile is N.0° 13'E., 40.03 chs.  
 Land, broken, rolling.  
 Soil, 3rd rate, gravelly, stony dry,  
 Palo verde, greasewood, cacti; fair grass.

5.50  
 40.03

Retracement and  
46. Resurvey of West bdy. of Township 10 S., R. 9 East.

Chains.	From the cor. of secs. 19, 24, 25 and 30, I run, North, bet. secs. 19 and 24, on random line. Over rolling land, through dense brush.
3.00	Wash, 15 lks. wide, course NE.
20.00	Wash, 20 lks. wide, course NE.
32.00	Road brs. NE. and SW.
40.00	$\frac{1}{4}$ sec. cor. brs. east, $3\frac{1}{2}$ lks. dist., which is a malpais stone 10x5x6 ins., above ground, marked and witnessed as described by the Surveyor General. True course of this half mile is N. 0° 3' E., 40.00 chs.
-----	
	Thence I run, north, on a random line.
13.00	Round <b>Butte</b> brs. east about 20 chs. dist.
40.00	Orig. cor. of secs. 18 and 19, brs. east 24 lks. dist., which is a malpais stone 8x6x6 ins. above ground, marked and witnessed as described by the Surveyor General, which I now change to refer to 4 secs. True bearing of this $\frac{1}{2}$ mile is N. 0° 21' E., 40 chs. Land, rolling. Soil, 3rd rate, gravelly, dry. Palo verde, greasewood, cacti. At this cor., at noon, I set off 7° 45' S. on the decl. arc; and observe the sun on the meridian; the resulting lat. is 32° 33' N.
-----	
	From the cor. of secs. 13, 18, 19 and 24, I run, North, bet. secs. 13 and 18. Over rolling land, through dense brush.
4.50	Road brs. NW. and SE.
6.50	Ascend steep SE. slope.
31.50	Highest point on east end of range of hills, brs. E. and W.; thence along east slope.
39.50	Descend steep.
39.87	$\frac{1}{4}$ sec. cor. brs. east, 8 lks. dist., which is a malpais stone 9x6x6 ins. above ground, marked and witnessed as described by the Surveyor General. Continue random line,
60.00	Foot of main slope, brs. ENE. and WSW.
79.00	Road brs. WNW. and ESE.
80.06	Original cor. of secs. 7 and 18, brs. east 16 lks. dist., which is a malpais stone 8x8x6 ins. above ground, marked and witnessed as described by the Surveyor General, which I now change to refer to 4 secs. True course of this mile is N. 0° 07' E., 80.06 chs. Land, rolling, mountainous. Soil, 3rd rate, stony, gravelly, dry. Palo verde, greasewood, cacti, sparse grass.
-----	
	From the cor. of secs. 7, 12, 13 and 18, I run, North, bet. secs. 7 and 12, on random line. Over rolling, or gently undulating land, in valley, through dense brush; descend gently.
5.50	Wire fence brs. E. and W.; enter cultivated land.
15.00	Ranch house of Guadalupe Gobeas brs. west, about 15 chs. dist.
30.00	Wash, 25 lks. wide, course NW.
40.09	$\frac{1}{4}$ sec. cor. brs. east, 6 lks. dist., which is a malpais stone 7x6x6 ins., above ground, marked and witnessed as described by the Surveyor General. True course of this $\frac{1}{2}$ mile is N. 0° 5' E., 40.09 chs.
-----	
	Thence I run, North, on random line.
0.12	Wire fence brs. ENE. and WSW.; leave cultivated land.
6.00	Enter cultivated land, brs. E. and W.

Retracement and Resurvey of West bdy. of Township 10 South, Range 9 East.

Chains.

19.50 Leave cultivated land, brs. E. and W.  
 39.98 X Orig. cor. of secs. 6 and 7 brs. west, 12 lks. dist., which is a malpais stone 8x5x6 ins., above ground, marked and witnessed as described by the Surveyor General, which I now change to refer to 4 secs.  
 True course of this half mile is N.0°10'W., 39.98 chs.,  
 Land, level.  
 Soil, 3rd rate, loamy.  
 Dense brush.

From the cor. of secs. 1, 6, 7 and 12, I run,  
 North, bet. secs. 1 and 6, on a random line.  
 Over nearly level land, through dense brush.  
 16.00 Wash, 20 lks. wide, course WNW.  
 19.00 Canal of Santa Cruz Reservoir Co., 40 lks. wide, 5 ft. deep,  
 course WNW.  
 34.80 Road brs. WNW. and ESE.  
 40.12 1/2 sec. cor. on line, which is a malpais stone 6x5x6 ins.,  
 above ground, marked and witnessed as described by  
 the Surveyor General. Continue random line north.  
 56.00 Road brs. NW. and SE.  
 72.90 Dry bed of Santa Cruz river, 40 lks. wide, course WNW.  
 83.87 To original closing cor. of Ts. 10 S., Rs. 8 and 9 E., on  
 line, which is a malpais stone 6x5x6 ins. above ground,  
 marked and witnessed as described by the Surveyor General,  
 from which the cor. of Ts. 9 S., Rs. 8 and 9 E., brs. N.

89°39'E. 3.38 lks. dist., which is a malpais stone 8x8x6  
 ins. above ground, marked and witnessed as described  
 by the Surveyor General.  
 Land, level, drains to NW.  
 Soil, 2nd rate, sandy, loamy, loose, light.  
 Palo verde, greasewood, few cacti, sparse grass.  
 The corners along the west bdy. of T. 10 S., R. 9 E., being  
 found in good condition, I leave undisturbed, except  
 changing the markings of same to make the corners refer  
 to 4 secs., and rebuilding the mounds of stone  
 etc. 2 ft. base, 1 1/2 ft. high, west of cors.  
 The mean bearing of this line as deduced from my retracements  
 is N.0° 06' E.

GENERAL DESCRIPTION.

The west bdy. of T. 10 S., R. 9 E. runs over broken land  
 for the first three miles, trending into smooth valley  
 land towards the north.  
 There is no water or timber along or near the line. The  
 vegetation consists of palo verde, greasewood, cholla  
 and other cacti, and sparse native grass, with some scrub  
 mesquite in places.

Oct. 13, 1913. W.H.E.

48. Retracement of S. & retrac't & resurvey part of W. bdy of T. 9 S. R. 8 E. Chains.

Oct. 14, 1913. W.H.E.  
 In order to test the measurement and alinement of the south bdy. of T. 9 S., R. 8 E., I proceed as follows:  
 At 8h.a.m., l.m.t., at the cor. of Ts. 9 S., Rs. 8 and 9 E., which is a malpais stone 8x8x6 ins. above ground, marked and witnessed as described by the Surveyor General; lat.  $32^{\circ}35'38''$ N.; long.  $111^{\circ}27'49''$ W., I set off  $8^{\circ}03'$ S. on the decl. arc; and  $32^{\circ}35\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I retrace,  $S. 89^{\circ}39'$ W., on a random line, as per field notes furnished by the Surveyor General.

40.10 Find old stake lying on ground, 20 lks. to the south of line.  
 Set flag on my random line, and continue line.

80.00 No trace of old cor. found after diligent search.  
 Set flag on line, and continue my course, setting flags at intervals of 40 chs., and making diligent search at these points for the old corners as described by the Surveyor General. I find remains of several old stakes with faint markings lying on ground.  
 At 480.65 chs. on my random line, I find the old cor. of Ts. 9 and 10 S., Rs. 7 and 8 E., lying on ground 321 lks. to south of line, which is an old post, as described by the Surveyor General. True course and dist. back to cor. of Ts. 9 S., Rs. 8 and 9 E. is therefore  $N. 89^{\circ}16'E.$ , 480.68 chs.  
 In order to test the position of this old cor. before re-setting or reestablishing same, from it I run, North, on random line.

40.00 Old  $\frac{1}{4}$  sec. cor. lying on ground, an old post, with faint markings as described by the Surveyor General.

80.00 The cor. of secs. 25, 30, 31 and 36, on line, which is a mesquite post 4 ins. sq., 3 ft. above ground, marked and witnessed as described by the Surveyor General.  
 Thence I run, South, on a true line, bet. secs. 31 and 36.

40.00 Re-set old post on line, for  $\frac{1}{4}$  sec. cor., re-marked  $\frac{1}{4}$  S 36 on W., and S 31 on E. face; dig pits 18x18x12 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, west of cor.

60.30 Road brs. WNW. and ESE.

66.80 Canal of Santa Cruz Reservoir Company, 40 lks. wide, 8 ft. deep, course  $N. 72^{\circ}W.$

80.00 Old township cor., which I destroy, and reestablish cor. of Ts. 9 and 10 S., Rs. 7 and 8 E., as follows:  
 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of Ts. 9 and 10 S., Rs. 7 and 8 E., marked on brass cap,  
     1913 on S. rim;  
     T 9 S in N.,  
     T 10 S in S.,  
     R 7 E in W., and  
     R 8 E in E. half;  
     S 36 in NW.,  
     S 31 in NE.,  
     S 6 in SE., and  
     S 1 in SW. quadrant; from which,  
     A mesquite tree, 10 ins. in diam., brs.  $N. 61\frac{1}{2}^{\circ}E.$ , 233 lks. dist., marked T 9 S R 8 E S 31 B T,  
 No other trees available. Dig pits 24x24x12 ins. on each line N., E. and W. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base,  $2\frac{1}{2}$  ft. high, S. of cor.  
 Silver Bell Peak brs.  $S. 19^{\circ}53'E.$   
 Picacho Peak brs.  $N. 71^{\circ}35'E.$   
 Quajote Peak brs.  $N. 80^{\circ}02'W.$

Oct. 14, 1913.  
 W.H.E.

Re-survey of South Boundary of T. 9 S., R. 8 E.

Chains.	W.H.E.
	Oct. 15, 1913.
	The orig. field notes of the S. bdy. of T. 9 S., R. 8 E. call for a distance of 479.60 chs. The true distance bet. Tp. cors. is 480.68 chs., an excess of 1.08 chs. to be proportioned in practically 6 miles.
	Therefore, at 8h a.m., l.m.t., at the cor. of Tps. 9 & 10 S., Rs. 7 & 8 E., reestablished by me, as hereinbefore described, I set off 8°25½' S. on the decl. arc, and 32°35½' N. on the lat. arc, and determine a meridian with the solar.
	Thence I run, on a true line, deduced from my random line, N. 89°16' E. on S. bdy. of Sec. 31.
	Over level land, drains to WNW., through dense greasewood, re-establishing the old cors. at proportionate distances. Var. 14°30' E.
39.69	Re-establish ¼ sec. cor., as follows:
	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap,
	¼ S 31 in N. half, 1913 on S. rim;
	dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
64.00	Santa Cruz Reservoir Canal, 40 lks. wide, 6 ft. deep, course WNW.
79.78	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestablish cor. of secs. 31 & 32, marked on
	brass cap, T 9 S in N., and
	R 8 E in W. half, and
	T 10 S, S 5, S 6 in S. half, 1913 on S. rim;
	S 31 in NW., and
	S 32 in NE. quad.; no bearings available,
	dig pits 24x24x12 ins. in each sec. 6 ft. dist., and
	raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, level, gently undulating.
	Soil, 2nd rate, sandy, loamy, loose, dry.
	Greasewood, paloverde, few cacti, sparse grass.
	N. 89°16' E. on S. bdy. of sec. 32.
	Over level valley, through dense greasewood.
2.00	Road, brs. WNW. & ESE.
40.09	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 on
	S. rim; ¼ S 32 in N. half; from wich,
	A mesquite tree 10 ins. diam. brs. N. 15° E. 25 lks. dist., marked ¼ S 32 B T.
	dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
	raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.18	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 32 & 33, marked on
	brass cap, T 9 S in N.,
	R 8 E in W., and
	T 10 S, S 4, S 5, in S. half, 1913 on S. rim;
	S 32 in NW., and
	S 33 in NE. quad.; no trees available,
	dig pits 24x24x12 ins. in each sec. 6 ft. dist., and
	raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, level. Soil, 2nd rate, loamy, sandy, loose, dry. Greasewood, paloverde, scrub mesquite, few cacti.

-----



Chains.	
	N. 89°16' E. on S. bdy. of sec. 33. Over level land, drains to NW., through dense brush.
40.09	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 33 in N. half; 1913 on S. rim, dig pits 18x18x12 ins. E. & 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.
58.00	Road, brs. N. & S.
80.18	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 33 & 34, marked on brass cap, T 9 S in N., R 8 E in W., and T 10 S, S 3, S 4, in S. half, 1913 on S. rim; S 33 in NW., and S 34 in NE. quad.; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor. Land, level. Soil, 2nd rate, sandy, loamy, loose, dry. Greasewood, paloverde, scrub mesquite, sparse grass.
	N. 89°16' E. on S. bdy. of sec. 34. Over level land, drains to NW., through dense brush.
40.09	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 34 in N. half; 1913 on S. rim; dig pits 18x18x12 ins. E. & 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.
47.20	Wash, 15 lks. wide, course NW.
80.18	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 34 & 35, marked on brass cap, T 9 S in N., R 8 E in W., and T 10 S, S 2, S 3, in S. half, 1913 on S. rim; S 34 in NW., and S 35 in NE. quad.; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor. Land, level. Soil, 2nd rate, sandy, loamy, loose, dry, sedimentary. Greasewood, paloverde, scrub mesquite, sparse grass. At this cor. at noon, I set off 8°30' S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 32°36' N.
	N. 89°16' E. on S. bdy. of sec. 35. Over level land, drains to NW., through dense brush.
40.09	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 35 in N. half, 1913 on S. rim; dig pits 18x18x12 ins. E. & 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.
80.18	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 35 & 36, marked on brass cap, T 9 S in N., S 35 in NW., and R 8 E in W., and S 36 in NE. quad. T 10 S, S 1, S 2, in S. half; 1913 on S. rim; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor. Land, level, gently undulating. Soil, 2nd rate, loose, dry, sedimentary, loamy. paloverde, scrub mesquite, greasewood, sparse grass.
	N. 89°16' E. on S. bdy. of sec. 36. Over gently rolling land, through dense brush.
40.09	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim, $\frac{1}{4}$ S 36 in N. half; dig pits 18x18x12 ins. E. & 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.
41.50	Road brs. NW. and SE.
66.60	Santa Cruz River (dry) 40 lks. wide, course NW.
76.80	Orig. closing cor. of T. 10 S., R. 8 and 9 E. hereinbefore desc.
80.18	To cor. of Tps. 9 S., Rs. 8 & 9 E., hereinbefore described. Land, level, Soil, 2nd rate, sandy, loamy. Dense greasewood. Oct. 15, 1913. W. H. E.

Retracement of South, & part of East bdy. of T. 8 S., R. 9 E.

Chains.

Oct. 23, 1913. J. B. W.  
 At 8h a.m., l.m.t., at the cor. of Tps. 8 & 9 S., Rs. 8 & 9 E., which is a mesquite post, marked and witnessed as described by the Surveyor General, which cor. being decayed badly, I re-establish at same point, by setting iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 8 & 9 S., Rs. 8 & 9 E., marked on brass cap, 1913 on S. rim,  
 T 8 S in N.,  
 T 9 S in S.,  
 R 9 E in E., and  
 R 8 E in W. half,  
 S 36 in NW.,  
 S 31 in NE.,  
 S 6 in SE., and  
 S 1 in SW. quad.: from which,  
 A mesquite tree 6 ins. diam. brs. N. 86° E. 20 lks. dist., marked T 8 S R 9 E S 31 B T.  
 A mesquite tree 8 ins. diam. brs. S. 55° E. 19 lks. dist., marked T 9 S R 9 E S 6 B T.  
 A mesquite tree 4 ins. diam. brs. S. 19° W. 85 lks. dist., marked T 9 S R 8 E S 1 B T.  
 A mesquite tree 8 ins. diam. brs. N. 23½° W. 295 lks. dist., marked T 8 S R 8 E S 36 B T.  
 Picacho Peak brs. S. 52° 54' E.  
 Quajote Peak brs. S. 74° 10' W.  
 Lone tree on highest peak of Picacho Mts. N. 51° 40' E.  
 I set off 11° 18½' S. on the decl. arc, and 32° 41' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per the field notes furnished by the Surveyor General, in order to test the measurement and alinement, S. 89° 51' E., on a random line, on S. bdy. of Sec. 31.  
 The orig. ¼ sec. cor. brs. North, 6 lks. dist., which is a mesquite post, with faint markings, as described by the Surveyor General.  
 Thence I run,  
 S. 89° 51' E., on a random line.  
 The orig. cor. of secs. 5, 6, 31 & 32 lying on ground, 6 lks. to N. of line.  
 I continue my random line to the east, setting temp. cors. at intervals of 40 chs., finding several of the old corners lying on the ground near the line. At a distance of 440.11 chs. from orig. ¼ sec. cor. bet. secs. 6 & 31, (as found standing, hereinbefore described) The cor. of Tps. 8 & 9 S., Rs. 9 & 10 E. brs. North, 64 lks. dist., which is a mesquite post, in good condition, marked and witnessed as described by the Surveyor General. I mark following trees for this cor.:  
 A mesquite tree 10 ins. diam. brs. N. 17° E. 236 lks. dist., marked T 8 S R 10 E S 31 B T.  
 A paloverde tree 6 ins. diam. brs. S. 20° E. 57 lks. dist., marked T 9 S R 10 E S 6 B T.  
 A mesquite tree 6 ins. diam. brs. S. 48° W. 88 lks. dist., marked T 9 S R 9 E S 1 B T.  
 A mesquite tree 14 ins. diam. brs. N. 88½° W. 104 lks. dist., marked T 8 S R 9 E S 36 B T.  
 No mountain peaks visible from cor., which is situated in a small cove on N. of hill.  
 The true bearing of the S. bdy. of T. 8 S., R. 9 E., as deduced from my falling for last 5½ miles is N. 89° 56' W.  
 Oct. 23, 1913. J. B. W.

39.35

40.00

Retracement of part of E. bdy. of T. 8 S., R. 9 East.

Oct. 24, 1913. J. B. W.  
 At 8h a.m., l.m.t., at the cor. of Tps. 8 & 9 S., Rs. 9 & 10 E., above described, I set off 11° 39½' S. on the decl. arc, and 32° 41' N. on the lat. arc, and determine a meridian with the solar. Thence I retrace, on random line, North, on E. bdy. of T. 8 S., R. 9 E., bet. secs. 31 & 36.  
 The ¼ sec. cor. brs. West, 2 lks. dist.  
 Cor. of secs. 25, 30, 31 & 36 brs. West, 3 lks. dist., Thence I run, North, bet. secs. 25 & 30, on random line.  
 The ¼ sec. cor. brs. West, 1 lk. dist.  
 Cor. of secs. 19, 24, 25 & 30, on line, as described by the Surveyor General.

40.04

80.08

40.02

80.03

Chains.	From the cor. of Tps. 8 & 9 S., Rs. 9 & 10 E., hereinbefore described, I run, on a true line, re-establishing the lost and obliterated corners, by pro- N. 89°56' W., bet. secs. 1 & 36. (portionate measurement. Over broken, heavily rolling land, S. slope, through dense paloverde, cacti, and greasewood, sparse native grass.
20.90	Old road, brs. NNW. & SSE.
40.01	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim ; $\frac{1}{4}$ S 36 in N., and S 1 in S. half; from which, A paloverde tree 10 ins. diam. brs. S. 57°E. 28 lks. dist., marked $\frac{1}{4}$ S 1 B T. A paloverde tree 10 ins. diam. brs. N. 86°W. 67 lks. dist., marked $\frac{1}{4}$ S 36 B T.
74.00	Gulch, 15 lks. wide, course SSW.
80.02	Set an iron post 3ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 35 & 36, marked on brass cap, T 8 S in N., T 9 S in S., and R 9 E in W. half, 1913 on S. rim ; S 35 in NW., S 36 in NE., S 1 in SE., and S 2 in SW. quad.; from which, A paloverde tree 10 ins. diam. brs. N. 49 $\frac{1}{4}$ °E. 131 lks. dist., marked T 8 S R 9 E S 36 B T. A paloverde tree 8 ins. diam. brs. S. 32 $\frac{1}{2}$ °W. 157 lks. dist., marked T 9 S R 9 E S 1 B T. A paloverde tree 8 ins. diam. brs. S. 28°W. 136 lks. dist., marked T 9 S R 9 E S 2 B T. A paloverde tree 6 ins. diam. brs. N. 47 $\frac{3}{4}$ °W. 41 lks. dist., marked T 8 S R 9 E S 35 B T. Land, broken, heavily rolling. Soil, 3rd rate, gravelly, dry. Paloverde, greasewood, cacti, sparse grass.
	N. 89°56' W. bet. secs. 2 & 35. Over heavily rolling, broken land, S. slope, through dense brush.
34.50	Wash, 20 lks. wide, course SSW.
40.01	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim ; $\frac{1}{4}$ S 35 in N., and S 2 in S. half; from which, A paloverde tree 4 ins. diam. brs. S. 56 $\frac{3}{4}$ °W. 47 lks. dist., marked $\frac{1}{4}$ S 2 B T. A paloverde tree 8 ins. diam. brs. N. 81 $\frac{3}{4}$ °W. 131 lks. dist., marked $\frac{1}{4}$ S 35 B T.
80.02	Set an iron post 3ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 8 S in N., T 9 S in S., and R 9 E in W. half, 1913 on S. rim ; S 34 in NW., S 35 in NE., S 2 in SE., and S 3 in SW. quad.; from which, A paloverde tree 8 ins. diam. brs. N. 30 $\frac{1}{4}$ °E. 47 lks. dist., marked T 8 S R 9 E S 35 B T. A paloverde tree 8 ins. diam. brs. S. 47 $\frac{1}{2}$ °E. 77 lks. dist., marked T 9 S R 9 E S 2 B T. A paloverde tree 6 ins. diam. brs. S. 52°W. 47 lks. dist., marked T 9 S R 9 E S 3 B T. A paloverde tree 8 ins. diam. brs. N. 14 $\frac{1}{2}$ °W. 67 lks. dist., marked T 8 S R 9 E S 34 B T. Land, heavily rolling. Soil, 3rd rate, gravelly, dry. Paloverde, greasewood, cacti, sparse grass.

Re-survey of South Boundary of T. 8 S., R. 9 E.

Chains.	<p>N. 89°56' W. bet. secs. 3 &amp; 34. Over heavily rolling, broken land, drains to S., through dense brush.</p> <p>9.00 Wash, 30 lks. wide, course SSW.</p> <p>40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap, 1913 on S. rim; <math>\frac{1}{4}</math> S 34 in N., and S 3 in S. half; from which, A paloverde tree 10 ins. diam. brs. S. 38°W. 85 lks. dist., marked <math>\frac{1}{4}</math> S 3 B T. A paloverde tree 6 ins. diam. brs. N. 75<math>\frac{1}{4}</math>°W. 45 lks. dist., marked <math>\frac{1}{4}</math> S 34 B T.</p> <p>45.50 Gulch, 10 lks. wide, course SSW.</p> <p>55.00 Gulch, 15 lks. wide, course SSW.</p> <p>70.00 Wash, 15 lks. wide, course SSW.</p> <p>80.02 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33 &amp; 34, marked on brass cap, T 8 S in N., T 9 S in S., and R 9 E in W. half, 1913 on S. rim, S 33 in NW., S 34 in NE., S 3 in SE., and S 4 in SW. quad.; from which, An ironwood tree 16 ins. diam. brs. N. 32<math>\frac{3}{4}</math>°E. 150 lks. dist., marked T 8 S R 9 E S 34 B T. An ironwood tree 8 ins. diam. brs. S. 25<math>\frac{3}{4}</math>°E. 173 lks. dist., marked T 9 S R 9 E S 3 B T. A paloverde tree 6 ins. diam. brs. S. 48°W. 94 lks. dist., marked T 9 S R 9 E S 4 B T. An ironwood tree 8 ins. diam. brs. N. 50<math>\frac{1}{4}</math>°W. 78 lks. dist., marked T 8 S R 9 E S 33 B T.</p> <p>Land, rolling, broken. Soil, 3rd rate, gravelly, loose, dry. Paloverde, ironwood, greasewood, cacti, sparse grass. At this cor., at noon, I set off 11°44' S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 32°41' N.</p>
40.01	<p>N. 89°56' W. bet. secs. 4 &amp; 33. Over rolling, broken land, through dense brush.</p> <p>40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap, 1913 on S. rim; <math>\frac{1}{4}</math> S 33 in N., and S 4 in S. half; from which, An ironwood tree 12 ins. diam. brs. S. 20°E. 47 lks. dist., marked <math>\frac{1}{4}</math> S 4 B T. no other trees available, dig pits 18x18x12 ins. E. &amp; W. of cor. 3 ft. dist. and raise a mound of earth 3<math>\frac{1}{2}</math> ft. base, 1<math>\frac{1}{2}</math> ft. high N. of cor.</p> <p>52.50 Road, brs. NW. &amp; SE.,</p> <p>64.00 Wash, 30 lks. wide, course N.</p> <p>67.50 Wash, 10 lks. wide, course NNW.</p> <p>72.50 Wash, 10 lks. wide, course NNW.</p> <p>80.02 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 &amp; 33, marked on brass cap, T 8 S in N., T 9 S in S., and R 9 E in W. half; 1913 on S. rim; S 32 in NW., S 33 in NE., S 4 in SE., and S 5 in SW. quad.; no bearings available, dig pits 18x18x12 ins. in each sec. 5<math>\frac{1}{2}</math> ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.</p> <p>Land, broken, rolling Soil, 3rd rate, sandy, gravelly, loose, dry. Paloverde, greasewood, cacti, sparse grass.</p>

Chains.	N. 89°56' W. bet. secs. 5 & 32. Over gently rolling land, through dense brush.
13.34	Wire fence, brs. NW. & SE.
14.45	Telegraph line, brs. NW. & SE.
15.88	Centre of track, Southern Pacific Railroad, brs. S. 53°37' E. & N. 53°37' W.
18.26	Wire fence, brs. NW. & SE., parallel to R.R.
18.40	Telephone line, brs. NW. & SE., parallel to R.R.
21.00	Road, Red Rock to Picacho, brs. NW. & SE.
40.01	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 32 in N., and S 5 in S. half; from which, A mesquite tree 10 ins. diam. brs. N. 73 $\frac{1}{2}$ ° W. 100 lks. dist., marked $\frac{1}{4}$ S 32 B T. A paloverde tree 10 ins. diam. brs. S. 35 $\frac{1}{2}$ ° E. 41 lks. dist., marked $\frac{1}{4}$ S 5 B T.
80.02	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 8 S in N., T 9 S in S., and R 9 E in W. half, 1913 on S. rim; S 31 in NW., S 32 in NE., S 5 in SE., and S 6 in SW. quad.; from which, An ironwood tree 8 ins. diam. brs. S. 57° E. 225 lks. dist., marked T 9 S R 9 E S 5 B T. An ironwood tree 9 ins. diam. brs. S. 16° W. 93 lks. dist., marked T 9 S R 9 E S 6 B T. A mesquite tree 8 ins. diam. brs. N. 79 $\frac{1}{2}$ ° W. 239 lks. dist., marked T 8 S R 9 E S 31 B T. No other bearings available; Dig pits 18x18x12 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. Land, rolling. Soil, 2nd & 3rd rate, sandy, loamy, loose. Paloverde, ironwood, greasewood, cacti, sparse grass.
40.01	N. 89°56' W. bet. secs. 6 & 31. Over gently rolling land, through scattering brush. To orig. $\frac{1}{4}$ sec. cor., on line, which cor. being decayed, and the markings almost obliterated, I destroy, and at the orig. cor. point, reestablish as follows: Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 31 in N., and S 6 in S. half; from which, A mesquite tree 6 ins. diam. brs. S. 87 $\frac{1}{2}$ ° E. 279 lks. dist., marked $\frac{1}{4}$ S 31 B T. An ironwood tree 8 ins. diam. brs. N. 32 $\frac{1}{2}$ ° E. 132 lks. dist., reestab. marked $\frac{1}{4}$ S 31 B T.
79.36	To cor. of Tps. 8 & 9 S., Rs. 8 & 9 E., hereinbefore described. Land, rolling. Soil, 3rd rate, sandy, loose, loamy. Paloverde, greasewood, scrub mesquite, few cacti.  Several of the old corners along this line were found lying on the ground but as no trace of the accessories was evident, I destroyed these old posts, and re-established the corners as above noted and described.
	General Description. The south boundary of T. 8 S., R. 9 E. runs over rolling or broken land, near the foot of main S. slope of the Picacho Mountains. The soil is in general sandy or gravelly. No water nor timber along or near the line. The western portion of the line trends into the smooth valley of the Santa Cruz, the soil becoming a loose, sedimentary loam.
	Oct. 24, 1913. <span style="float: right;">J. B. W.</span>

Retracement & Re-survey of East Boundary of T. 8 S., R. 8 E.

Chains.

Oct. 23, 1913. W. H. E.

At 8h a.m., l.m.t., at the cor. of Tps. 8 & 9 S.,  
Rs. 8 & 9 E., re-established by J. B. Wright, as  
hereinbefore described,

I set off  $11^{\circ}18\frac{1}{2}'$  S. on the decl. arc, and  $32^{\circ}41'$  N. on  
the lat. arc, and determine a meridian with the solar.  
Thence I retrace,

North, bet. secs. 31 & 36, on random line

40.00 No trace of  $\frac{1}{4}$  sec. cor. found after diligent search.

80.00 No trace of cor. of secs. 25, 30, 31 & 36 found after  
diligent search. Set temp. cors. at above points and  
continue,

North, bet. secs. 25 & 30, on random line

40.00 No trace of  $\frac{1}{4}$  sec. cor. found after diligent search.

80.52 Orig. cor. of secs. 19, 24, 25 & 30 brs. East, 51 lks.  
dist., which is an old mesquite post, with faint  
markings, as described by the Surveyor General.

Thence I run,

North, on a random line, setting flags at intervals of 40  
chs., making diligent search at these points for the  
corners as described by the Surveyor General.

I find no trace of any old corners till at 4 miles,  
2.24 chs., the cor. of Tps. 7 & 8 S., Rs. 8 & 9 E.  
brs. East, 242 lks. dist., which is a mesquite post,  
well set, marked and witnessed as described by the  
Surveyor General. (Later replaced by iron post, cor. to 2 tps.)

At this cor., at noon, I set off  $11^{\circ}23'$  S. on the decl.  
arc, and observe the sun on the meridian.

The resulting lat. is  $32^{\circ}46'$  N.

From the above data I deduce the true bearings and  
distances for re-establishing the lost and obliterated  
corners on E. bdy. of T. 8 S., R. 8 E., which sec.  
cors. for the N. 5 miles will evidently become now  
common to 2 secs. in T. 8 S., R. 8 E. only.

Therefore, from the cor. of Tps. 7 & 8 S., Rs. 8 & 9 E.,  
(Later changed to cor. of Tps. 7 & 8 S., R. 8 E.),  
as above described, I run, on a true line,

S.  $0^{\circ}25'$  W. on E. bdy. of sec. 1.

Over gently undulating plain, through scattering  
greasewood, cacti, sparse native grass.

Var.  $14^{\circ}30'$  E.

40.28 Re-establish  $\frac{1}{4}$  sec. cor. as follows:

Set an iron post, 3 ft. long, 1 in. in diam. 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on  
S. rim;  $\frac{1}{4}$  S 1 in W. half; no bearings available,  
dig pits  $18 \times 18 \times 12$  ins. N. & 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.

46.00 Wash, 10 lks. wide, course NW.

80.56 Set an iron post 3ft. long, 3 ins. in diam. 24 ins. in  
the ground for cor. of secs. 1 & 12, marked on  
brass cap, T 8 S in N., and  
S 6, S 7, R 9 E in E. half, 1913 on S. rim;  
S 1 in NW., and  
S 12, R 8 E, in SW. quad.;

No bearings available.

Dig pits  $24 \times 24 \times 12$  ins. in each sec. 6 ft. dist., and  
raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land, level, gently undulating.

Soil, 3rd rate, sandy, loose, dry, sedimentary.

Greasewood, scrub mesquite, sparse grass.

Chains.	S. 0°25' W. on E. bdy. of sec. 12. Over level plain, through scattering brush.
40.28	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 12 in W. half; 1913 on S. rim ; dig pits 18x18x12 ins. N. & 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.
44.25	Road, brs. NE. & SW.
80.56	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 12 & 13, marked on brass cap, T 8 S in N., and S 7, S 18, R 9 E, in E. half, 1913 on S. rim; S 12 in NW., and S 13, R 8 E in SW. quad. ; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, gently undulating, level. Soil, 3rd rate, sandy, loose, dry. Scrub mesquite, greasewood, cacti, sparse grass.
40.28	S. 0° 25' W. on E. bdy. of sec. 13. Over level land, through scattering brush. Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 in W. half; 1913 on S. rim ; dig pits 18x18x12 ins. N. & 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.
80.56	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13 & 24, marked on brass cap, T 8 S in N., and S 18, S 19, R 9 E, in E. half, 1913 on S. rim; S 13 in NW., and S 24, R 8 E, in SW. quad. ; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, level, gently undulating. Soil, 3rd rate, loose. Scrub mesquite, few ironwood trees, greasewood, cacti.
3.50	S. 0° 25' W. on E. bdy. of sec. 24. Over gently rolling land, through scattering brush. Road, brs. NW. & SE.
8.00	Wash, 10 lks. wide, course NW.
34.50	Wash, 10 lks. wide, course NW.
40.28	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 in W. half; 1913 on S. rim ; dig pits 18x18x12 ins. N. & 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.
80.56	To orig. cor. of secs. 19, 24, 25 & 30, on line, which cor. being badly decayed, I destroy, and at orig. cor. point Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestab. cor. of secs. 24 & 25, marked on brass cap, T 8 S in N., and S 19, S 30, R 9 E, in E. half, 1913 on S. rim; S 24 in NW., and S 25, R 8 E in SW. quad. ; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, level, gently undulating. Soil, 2nd & 3rd rate, sandy, loamy, loose, sedimentary. Scrub mesquite, greasewood, cacti, sparse grass.

## Re-survey of East Boundary of T. 8 S., R. 8 E.

57

Chains.	
	S. 0°11' W. on a true line, on East bdy. of sec. 25. Over gently undulating land, through scattering brush.
9.80	Wash, 15 lks. wide, course WNW.
24.00	Wash, 20 lks. wide, course NW.
40.13	Re-establish $\frac{1}{4}$ sec. cor., as follows: Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 25 in W. half; 1913 on S. rim; dig pits 18x18x12 ins. N. & 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.
53.76	Wire fence, brs. NW. & SE.
54.71	Telegraph line, brs. NW. & SE.
55.61	Centre of Southern Pacific Railroad, single track, brs. N. 53°35' W., and S. 53°35' E., long tangent.
57.49	Wire fence, brs. NW. & SE., parallel to R.R.
57.61	Telephone line, brs. NW. & SE.
76.30	Road, Red Rock to Picacho, brs. NW. & SE.
80.26	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap, T 8 S in N. half, 1913 on S. rim, R 8 E S 25 in NW., R 9 E S 30 in NE., S 31 in SE., and S 36 in SW. quad.; from which, A mesquite tree 8 ins. diam. brs. N. 49 $\frac{1}{4}$ ° W. 56 lks. dist., marked T 8 S R 8 E S 25 B T. An ironwood tree 8 ins. diam. brs. S. 32° E. 122 lks. dist., marked T 8 S R 9 E S 31 B T. No other bearings available, dig pits 18x18x12 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. Land, rolling. Soil, 2nd rate, loose, dry, sedimentary. Greasewood, scrub mesquite, few cacti, sparse grass.
	<hr/>
	S. 0° 11' W. bet. secs. 31 & 36. Over gently undulating valley, through scattering brush.
40.13	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 36 in W., and S 31 in E. half; no bearings available. dig pits 18x18x12 ins. N. & 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.
80.26	To reestablished cor. of T. 8 and 9 S., R. 8 and 9 E. herein before described. Land, rolling. Soil, 2nd rate, sandy, loose, loamy, sedimentary. Scrub mesquite, greasewood, sparse grass.

## General Description.

The East Boundary of T. 8 S., R. 8 E., as resurveyed by me runs over smooth land, draining to the West.

There is no water nor timber on or near the line.

The soil is a loose, loamy, sedimentary formation, and would produce well, if watered.

Oct. 23, 1913.

W. H. E.



Retrac't of E. bdy. of T. 7 S., R. 8 E. &amp; part of S. &amp; E. bdrs. T. 6 S., R. 8 E.

Chains.	<p>Oct. 25, 1913. orig. J. B. W.          At 8h a.m., l.m.t., at the cor. of Tps. 7 &amp; 8 S., Rs. 8 &amp; 9 E., which is a mesquite post, marked and witnessed as described by the Surveyor General, which cor. I now destroy, it being in a very dilapidated decayed condition, and in orig. position of cor. I reestablish as follows:          Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 7 &amp; 8 S., R. 8 E., marked on brass cap, R 8 E in W., and only              R 9 E, T 7 S, S 31, T 8 S, S 6, in E. half,              T 7 S, S 36, in NW., and              T 8 S, S. 1, in SW. quad.; 1913 on S. rim;          dig pits 30x24x12 ins. N. &amp; S. 4 ft., and W. of cor. 8 ft. dist., on each line, and          raise a mound of earth 5 ft. base, 2½ ft. high W. of cor. No bearings available.          To test the measurement and alinement of the orig. East bdy. of T. 7 S., R. 8 E., at the above described cor., I set off 12°0½' S. on the decl. arc, and 32°46' N. on the lat. arc, and determine a meridian with the solar. Thence I run, on a random line,          North, as per field notes furnished by the Surveyor General, making diligent search at intervals of 40 chs. for the corners as described by the Surveyor General, and setting flags on line at these points. I find faint traces of old corners at several points, but nothing definite or satisfactory, till at 5 miles, 78.57 chs. dist. I find evident remains of the orig. cor. of Tps. 6 &amp; 7 S., Rs. 8 &amp; 9 E., traces of pits, with portions of decayed post, as described by the Surveyor General, which brs. East, 126 lks. dist.          At this cor., at noon, the sky is overcast, impracticable to observe the lat.-----          To further verify the position of this cor., from it I run,          S. 89°47' W., on a random line.</p>
40.00	No trace of orig. ¼ sec. cor. found, after diligent search.
80.10	<p>Orig. cor. of secs. 1, 2, 35 &amp; 36, on S. bdy. of T. 6 S., R. 8 E., brs. North, 2 lks. dist., a mesquite post, as described by the Surveyor General.-          I return to the cor. of Tps. 6 &amp; 7 S., Rs. 8 &amp; 9 E., and run, thence, on random line.</p>
80.02	<p>North, bet. secs. 31 &amp; 36, of T. 6 S., Rs. 8 &amp; 9 E.          The orig. cor. of secs. 25, 30, 31 &amp; 36 brs. West, 1 lk. dist., which is a mesquite post, properly marked.</p>
	<p>I return to the cor. of Tps. 6 &amp; 7 S., Rs. 8 &amp; 9 E., which I conclude is evidently in the correct position, as tested by above data.,          This old cor. being in a very dilapidated condition, and almost obliterated, I destroy, and in the orig. position of old cor., reestablish as follows:          Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 6 &amp; 7 S., Rs. 8 &amp; 9 E., marked on brass cap,              T 6 S in N.,              T 7 S in S.,              R. 9 E in E., and              R 8 E in W. half, 1913 on S. rim;              S 36 in NW.,              S 31 in NE.,              S 6 in SE., and              S 1 in SW. quad.; from which,</p>
	<p>A mesquite tree 22 ins. diam. brs. N. 10¼° E. 167 lks. dist., marked T 6 S R 9 E S 31 B T.          A mesquite tree 6 ins. diam. brs. S. 32° E. 220 lks. dist., marked T 7 S R 9 E S 6 B T.          A mesquite tree 8 ins. diam. brs. S. 14¼° W. 227 lks. dist., marked T 7 S R 8 E S 1 B T.          A mesquite tree 6 ins. diam. brs. N. 51¾° W. 95 lks. dist., marked T 6 S R 8 E S 31 B T.</p>

Oct. 25, 1913. J. B. W.

Re-survey of East Boundary of T. 7 S., R. 8 E.

Chains.

Nov. 12, 1913. J. B. W.  
 The retracement and re-survey of the S., W., and N. bdrs. of T. 7 S., R. 8 E. shows the S. & W. bdrs. to be out of limits in measurement and alinement. The North bdy. being within limits, and the East bdy. being subject to rectification, it becomes necessary to re-survey the E. bdy. from N. to S., in order that T. 7 S., R. 8 E. may be subdivided properly from N. to S., and from E. to W., thus avoiding a sectional correction line.

In the field notes of all subdivisions from the East closings on E. bdy. of T. 7 S., R. 8 E. are given in proper order, dates being subordinated.

The random line from the south falls 126 lks. W. of the orig. cor. of Tps. 6 & 7 S., Rs. 8 & 9 E.; therefore the true return bearing of this line is S. 0° 9' W.

At 8h a.m., l.m.t., at the cor. of Tps. 6 & 7 S., Rs. 8 & 9 E., reestablished by me, as hereinbefore described,

I set off 17937' S. on the decl. arc, and 32951' N. on the lat. arc, and determine a meridian with the solar. Thence I run, on a true line,

S. 0° 9' W. on E. bdy. of sec. 1.

Over rolling land, through dense, heavy mesquite.

- 2.50 Wash, 10 lks. wide, course W.
  - 9.00 Wash, 10 lks. wide, course W.
  - 21.30 Road, brs. NNE. & SSW.
  - 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 1 in W. half; from which,
    - A mesquite tree 10 ins. diam. brs. S. 67 $\frac{1}{2}$ ° W. 45 lks. dist., marked  $\frac{1}{4}$  S 1 B T.
    - A mesquite tree 8 ins. diam. brs. N. 37° W. 34 lks. dist., marked  $\frac{1}{4}$  S 1 B T.
  - 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1 & 12, marked on brass cap, T 7 S in N., and S 6, S 7, R 9 E, in E. half, 1913 on S. rim; S 1 in NW., and S 12, R 8 E in SW. quad.; from which,
    - A mesquite tree 26 ins. diam. brs. S. 40° W. 120 lks. dist., marked T 7 S R 8 E S 12 B T.
    - A mesquite tree 24 ins. diam. brs. N. 30° W. 175 lks. dist., marked T 7 S R 8 E S 1 B T.
- Land, rolling. Soil, 2nd rate, sandy, loamy, loose, dry. Mesquite, greasewood, sage brush, sparse native grass.

S. 0° 9' W. on E. bdy. of sec. 12.

Over gently rolling land, through dense brush.

- 20.00 Leave dense brush, brs. NE. & SW., becomes scattering.
  - 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 12 in W. half; no bearings available, dig pits 18x18x12 ins. N. & 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.
  - 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 12 & 13, marked on brass cap, T 7 S in N., and S 7, S 18, R 8 E, in W. half, 1913 on S. rim; S 12 in NW., and S 13, R 8 E, in SW. quad.
    - No bearings available.
    - Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
- Land, gently rolling.  
 Soil, 2nd rate, sandy, loose, dry.  
 Mesquite and sage brush, greasewood, cacti, sparse grass.

Chains.	S. 0° 9' W. on East bdy. of sec. 13. Over gently undulating land, through scattering brush.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 13 in W. half; no bearings available, dig pits 18x18x12 ins. N. & 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.
50.00	Old road, brs. NW. & SE.
80.00	Set an iron post 3ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13 & 24, marked on brass cap, T 7 S in N., and S 18, S 19, R 9 E, in E. half, 1913 on S. rim; S 13 in NW., quad., and S 24, R 8 E, in SW. quad.; from which, A mesquite tree 8 ins. diam. brs. S. $53\frac{1}{2}^{\circ}$ W. 250 lks. dist., marked T 7 S R 8 E S 24 B T. No other bearings available; dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, gently undulating, level. Soil, 2nd & 3rd rate, sandy, loose, dry. Mesquite, sage brush, greasewood, cacti, sparse grass.
40.00	S. 0° 9' W. on E. bdy. of sec. 24. Over gently undulating land. Set an iron post 3 ft. long, 1 ins. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 24 in W. half; from which, A mesquite tree 4 ins. diam. brs. N. $57\frac{1}{2}^{\circ}$ W. 275 lks. dist., marked $\frac{1}{4}$ S 24 B T. Dig pits 18x18x12 ins. N. & 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.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 24 & 25, marked on brass cap, T 7 S in N., and S 19, S 30, R 9 E, in E. half, 1913 on S. rim; S 24 in NW., and S 25, R 8 E, in SW. quad.; No bearings available. Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, level, gently undulating. Soil, 2nd rate, sandy, dry. Mesquite, greasewood, sage brush, few cacti, sparse grass.
39.50	S. 0° 9' W. on E. bdy. of sec. 25. Over gently undulating plain, through scattering brush. Road, brs. NNW. & SSE.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 25 in W. half; 1913 on S. rim; dig pits 18x18x12 ins. N. & 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.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25 & 36, marked on brass cap, T 7 S in N., and S 30, S 31, R 9 E, in E. half, 1913 on S. rim; S 25 in NW., and S 36, R 8 E, in SW. quad.; from which, A mesquite tree 24 ins. diam. brs. N. $20^{\circ}$ W. 314 lks. dist., marked T 7 S R 8 E S 25 B T. No other trees available. Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, 2nd rate, sandy, loose, dry. Mesquite, greasewood, sage brush, sparse grass. At this cor., at noon, I set off 17°41' S. on the decl. arc, arc, and observe the sun on the meridian. The resulting lat. is 32°47' N.

Re-survey of East Boundary of T. 7 S., R. 8 E.

Chains.  
13.15  
40.00  
78.57

S. 0° 9' W., on E. bdy. of sec. 36.  
Over level land, through sparse brush.  
Road, bds. NE & SW.  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 36 in W. half; 1913 on S. rim ;  
dig pits 18x18x12 ins. N. & 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.  
To cor. of Tps. 7 & 8 S., R. 8 E., reestab. by me, as herein.  
Land, level, gently undulating. (before described.  
Soil, 2nd & 3rd rate, sandy, loamy, loose, dry.  
Sparse mesquite, greasewood, and sage brush.

General Description.

The East bdy. of T. 7 S., R. 8 E. runs over a smooth,  
gently undulating valley or plain, covered in the N.  
portion of the line with a dense growth of heavy mesquite.  
There is no water along the line. Desert claims have  
been located on the lands adjoining by various settlers,  
but no permanent improvements were noted along or near  
the line. Nov. 12, 1913. J. B. W.

## 62 Retracement &amp; Re-survey of portion S. bdy. of T. 6 S., R. 9 E.

- Chains. (For survey of completion of this bdy. see Book "C.")  
 W.H.E.  
 Nov. 3, 1913.  
 At 8h a.m., l.m.t., at the cor. of Tps. 6 & 7 S., Rs. 8 & 9 E., reestablished by J.B.W. as hereinbefore described.  
 I set off  $14^{\circ}58\frac{1}{2}'$  S. on the decl. arc, and  $32^{\circ}51'$  N. on the lat. arc, and determine a meridian with the solar.  
 Thence I retrace, for purposes of testing measurement and alinement,  
 S.  $89^{\circ}29'$  E., on a random line, as per field notes furnished by the Surveyor General.
- 35.12 Make diligent search for orig.  $\frac{1}{4}$  sec. cor., no cor. found, set temp. cor., and continue line.
- 75.12 No traces of the cor. of secs. 5, 6, 31 & 32 found after diligent search. Set temp. cor., and run,  
 S.  $89^{\circ}29'$  E.
- 40.00 No trace of orig. cor. found after diligent search.
- 80.20 Orig. cor. of secs. 4, 5, 32 & 33 brs. South, 18 lks. dist., which is a post, badly decayed, mkd. & witnessed as described by Sur. Genl. True bearing S. bdrs. secs. 31 & 32, N.  $89^{\circ}25'$  W.  
 From this cor. I run,  
 S.  $89^{\circ}29'$  E., on a random line, setting temp. cors. at intervals of 40 chs., and making diligent search for the corners as described by the Surveyor General.  
 No traces of any old corners found till at
- 160.28 Orig. cor. of secs. 2, 3, 34 & 35 brs. south, 28 lks. dist., which is a post, marked and witnessed as described by the Surveyor General. True bearing: S. bdrs. secs. 33 & 34, N.  $89^{\circ}23'$  W., 80.14 chs.  
 From this cor. I run,  
 S.  $89^{\circ}29'$  E. on random line, S. bdy. sec. 35.
- 40.09 Orig.  $\frac{1}{4}$  sec. cor. brs. N. 1 lk. dist., which is a granite stone  $10 \times 4 \times 4$  ins. above ground, properly marked as described by the Surveyor General. True bearing of this  $\frac{1}{4}$  mile, N.  $89^{\circ}30'$  W. 40.09 chs. -----  
 Thence I run,  
 S.  $89^{\circ}29'$  E., on random line, east half mile.
- 40.08 Orig. cor. of secs. 1, 2, 35 & 36 brs. South, 11 lks. dist., which is a granite stone  $10 \times 5 \times 6$  ins. above ground marked and witnessed as described by the Surveyor General. True bearing this half mile, N.  $89^{\circ}20'$  W., 40.08 chs.  
 From the data above determined, I calculate the true bearings and distances for the S. bdy. of T. 6 S., R. 9 E., secs. 31-35 inclusive. The corners along this line now becoming cors. common to 2 secs. only, are changed or set by me to refer to secs. in T. 6 S., R. 9 E. The cor. of secs. 35 & 36 being a stone well set, and marked, I leave undisturbed, but change the mound of stone to a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. From this cor., I run, on a true line,  
 N.  $89^{\circ}20'$  W., on S. bdy. of sec. 35.  
 Over rolling land, desc. grad., through dense mesquite, paloverde, cacti, and other brush.
- 9.00 Wash, 25 lks. wide, course NW.
- 12.70 Wash, 50 lks. wide, course NW.
- 16.50 Wash, 50 lks. wide, course NW.
- 38.00 Wash, 30 lks. wide, course NW.
- 40.08 To orig.  $\frac{1}{4}$  sec. cor., on line, heretofore described, which cor. being well marked and set, I leave undisturbed. Change the md. of stone to N. of cor. 2 ft. base,  $1\frac{1}{2}$  ft. high. From this  $\frac{1}{4}$  sec. cor., I run,  
 N.  $89^{\circ}30'$  W. on true line, west half mile.
- 13.50 Wash, 20 lks. wide, course NW.
- 22.00 Wash, 20 lks. wide, course NW.
- 33.00 Dim road, brs. NW. & SE.
- 40.09 To orig. cor. of secs. 2, 3, 34 and 35 on line, which I destroy, the old post being badly decayed, and at orig. cor. pt. Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for a cor. of secs. 34 & 35, marked on brass cap, T 6 S in N., R 9 E in W., and 1913 in S. rim, T 7 S, S 2, S 3, in S. half, S 34 in NW., and S 35 in NE. quad.; no bearings available. Pits impracticable. Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Land, rolling. Soil, 3rd rate, gravelly, Mesquite & other brush.

## Chains.

- N.  $89^{\circ}23'$  W., on a true line, on S. bdy. of sec. 34.  
Over gently rolling land, through scattering brush.
- 40.07 Re-establish  $\frac{1}{4}$  sec. cor., as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 34 in N. half; from which,  
A paloverde tree 8 ins. diam. brs. N.  $34\frac{1}{2}^{\circ}$  E. 178 lks. dist., marked  $\frac{1}{4}$  S 34 B T.  
Dig pits 18x18x12 ins. E. & 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.
- 78.00 Wash, 10 lks. wide, course SW.
- 80.14 Re-establish cor. of secs. 33 & 34, as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 33 & 34, marked on brass cap, T 6 S in N.,  
R 9 E in W., and  
T 7 S, S 3, S 4, in S. half, 1913 on S. rim;  
S 33 in NW., and  
S 34 in NE. quad.; No bearings available,  
dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
- Land, gently rolling.  
Soil, 3rd rate, sandy, gravelly, dry.  
Paloverde, scrub mesquite, sage brush, few cacti, no grass.  
At this cor., at noon, I set off 15903' S. on the decl. arc, and observe the sun on the meridian.  
The resulting lat. is  $32^{\circ}51\frac{1}{2}'$  N.
- 
- N.  $89^{\circ}23'$  W., on a true line, on S. bdy. of sec. 33.  
Over gently undulating land, sparse brush.
- 21.00 Wash, 10 lks. wide, course WSW.
- 40.07 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 33 in N. half; no bearings available,  
dig pits 18x18x12 ins. E. & 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.
- 58.00 Wash, 20 lks. wide, course WSW.
- 64.00 Old road, brs. N. & S.
- 80.14 To orig. cor. of secs. 4, 5, 32 and 33, hereinbefore described. This cor. being very badly decayed, I destroy, and at the orig. cor. point, reestablish cor. as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 32 & 33, marked on brass cap, T 6 S in N.,  
R 9 E in W., and  
T 7 S, S 4, S 5, in S. half, 1913 on S. rim;  
S 32 in NW., and  
S 33 in NE. quad.; no bearings available,  
dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
- Land, rolling, nearly level, drains to WSW.  
Soil, 3rd rate, sandy, loose, dry.  
Paloverde, scrub mesquite, sage brush, cacti, no grass.

64. portion of  
Re-survey of South Boundary of T. 6 S., R. 9 E.

## Chains.

N.  $89^{\circ}25'$  W., on a true line on S. bdy. of sec. 32.  
 Over gently undulating land, through scattering brush.  
 35.00 Wash, 10 lks. wide, course SSW.  
 40.05 Re-establish  $\frac{1}{4}$  sec. cor., as follows:  
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on  
 S. rim;  $\frac{1}{4}$  S 32 in N. half; no bearings available,  
 dig pits 18x18x12 ins. E. & 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.  
 52.50 Wash, 20 lks. wide, course SW.  
 69.90 Wash, 30 lks. wide, course SSW.  
 73.20 Wash, 20 lks. wide, course SSW.  
 80.10 Re-establish cor. of secs. 31 & 32, as follows:  
 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in  
 the ground for cor. of secs. 31 & 32, marked on  
 brass cap, T 6 S in N.,  
 R 9 E in W., and  
 T 7 S, S 5, S 6, in S. half, 1913 on S. rim;  
 S 31 in NW., and  
 S 32 in NE. quad.; no bearings available,  
 dig pits 24x24x12 ins. in each sec. 6 ft. dist., and  
 raise a mound of earth 4 ft. base 2 ft. high N. of cor.  
 Land, level, gently rolling.  
 Soil, 2nd rate, sandy, loamy, dry.  
 Scrub mesquite brush, greasewood, sage brush, poor grass.

N.  $89^{\circ}25'$  W. on a true line, on S. bdy. of sec. 31.  
 Over gently undulating land, through scattering brush.  
 40.05 Re-establish  $\frac{1}{4}$  sec. cor., as follows:  
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on  
 S. rim;  $\frac{1}{4}$  S 31 in N. half; no bearings available,  
 dig pits 18x18x12 ins. E. & 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.  
 45.05 Road, brs. NE. & SW., enter mesquite, brs. NNE. & SSW.  
 74.92 Dim road, brs. NNW. & SSE.  
 75.17 To cor. of Tps. 6 & 7 S., Rs. 8 & 9 E., reestablished by  
 J.-B. Wright, as hereinbefore described.  
 Land, level, gently undulating.  
 Soil, 2nd rate, sandy, loose, dry.  
 Mesquite, paloverde, greasewood, sage brush, cacti.

## General Description.

The S. bdy. of T. 6 S., R. 9 E., runs over smooth or  
 gently rolling land in the western portion, ascending  
 gradually to the foot hills of the Picacho Mts. to the  
 East. There is no water nor timber along the line.

Nov. 12, 1913.

W. H. E.

Retracement of North Boundary of T. 8 S., R. 8 E.

Chains.	Nov. 10, 1913. J. B. W.
	In order to test the measurement and alinement of the
	N. bdy. of T. 8 S., R. 8 E., I proceed as follows: -
	At 8h a.m., l.m.t., at the cor. of Tps. 7 & 8 S., R. 8 E.,
	reestablished by me, as hereinbefore described.
	I set off 17°03½' S. on the decl. arc, and 32°46' N. on the
	the lat. arc, and determine a meridian with the solar.
	Thence I run, as per field notes furnished by the
	Surveyor General,
	S. 89°50' W., on a random line, making diligent search
	at intervals of 40 chs. for the corners as described in
	said field notes. No trace of any old cor. found till at
242.08	Orig. cor. of secs. 3, 4, 33 & 34 brs. South, 255 lks.
	dist., which is a mesquite post, marked and witnessed
	as described by Sur. Genl. True bearing N. bdy. of secs. 1, 2,
	& 3, T. 8 S., R. 8 E., S. 89°14' W., 242.10 chs. ---
	Thence I run,
40.00	S. 89°50' W. on random line.
80.97	No trace of orig. ¼ sec. cor. found after diligent search.
	Orig. cor. of secs. 4, 5, 32 & 33 brs. South, 176 lks.
	dist., which is a post, marked and witnessed as described
	described by the Sur. Genl. True bearing this mile is S.
	86° 35' W., 81.00 chs. -----
	-----
	Thence I run,
40.30	S. 89°50' W. on random line.
	Orig. ¼ sec. cor. brs. North, 8 lks. dist., which is a
	post, marked and witnessed as described by the
	Surveyor General. True bearing this ½ mile, S. 89°57' W. 40.
	30 chs. -----
	The remainder of this boundary is a cleared line, on which
	flags at the old corners are visible; Therefore, from
	the above old ¼ sec. cor., I run, on a true line,
40.10	N. 89°08' W.
	Orig. cor. of secs. 5, 6, 31 & 32, which is an old
	decayed post, as described by the Surveyor General.
	-----
	Thence I run, on a true line,
40.10	N. 89°08' W.
	Orig. ¼ sec. cor., on line, which is a post, marked and
	witnessed as described by the Surveyor General.
	-----
	Thence I run, on a true line,
40.08	N. 89°50' W.
	To orig. cor. of Tps. 7 & 8 S., Rs. 7 & 8 E., which is a
	Well preserved mesquite post 6 ins. in diam. 24 ins.

above ground, firmly set, marked and witnessed as described by the Surveyor General. This cor. being in good condition, I leave undisturbed. re-dig pits 24x18x12 ins. on each line, E. W. & N. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 9 ft. base 2 ft. high S. of cor. No bearings available. Mountain peaks clouded. At this cor., at noon, clouds obscure the sun, impracticable to observe the lat.

The old corners as found along the N. bdy. of T. 8 S., R. 8 E. being badly decayed, and many of the corners lost or nearly obliterated, it becomes necessary to re-survey this line, re-establishing the lost corners. From the above data I determine the proper alinement and measurements. Therefore, from the orig. cor. of Tps. 7 & 8 S., Rs. 7 & 8 E., I run, on a true line, setting corners common to 2 secs. only, since closing corners will evidently be necessary when subdividing from the North,



- Chains.
- S. 89°50' E., on N. bdy. of sec. 6.  
Over gently rolling, or level land, in Santa Cruz valley,  
through dense mesquite, greasewood, and sage brush.  
Var. 14° E.
- 1.18 Road, brs. NNW. & SSE., and ... as follows:
- 40.08 Destroy old  $\frac{1}{4}$  sec. cor. and reestablish as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 6 in S. half; 1913 on S. rim;  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high S. of cor.  
Thence I run,  
S. 89°08' E.
- 40.10 Destroy the traces of old cor., and reestablish as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in  
the ground for cor. of secs. 5 & 6, marked on  
brass cap, T 8 S in S.,  
R 8 E in W., and  
T 7 S, S 31, S 32, in N. half, 1913 on S. rim;  
S 5 in SE., and  
S 6 in SW. quad.; no bearings available,  
dig pits 24x24x12 ins. in each sec. SE & SW., 6 ft.  
dist., & raise a mound of earth 4 ft. base, 2 ft. high  
S. of cor.  
Land, level, gently undulating.  
Soil, 2nd rate, sandy, loamy, loose, dry, fertile.  
Mesquite and sage brush, sparse grass.
- 
- S. 89°08' E., on N. bdy. of sec. 5.
- 40.10 Over level valley, through dense brush.  
Destroy traces of old  $\frac{1}{4}$  sec. cor., and reestablish as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 5 in S. half; 1913 on S. rim;  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high S. of cor.  
Thence I run,  
N. 89°57' E.
- 40.30 Destroy old cor., and reestablish as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in  
the ground for cor. of secs. 4 & 5, marked on  
brass cap, T 8 S in S.,  
R 8 E in W., and  
T 7 S, S 32, S 33, in N. half, 1913 on S. rim;  
S 4, in SE., and  
S 5, in SW. quad.;  
dig pits 24x24x12 ins. in each sec. <sup>SE. & SW.</sup> 6 ft. dist., and  
raise a mound of earth 4 ft. base 2 ft. high S. of cor.  
Land, level,  
Soil, 2nd rate, loamy, sandy, loose.  
Mesquite and sage brush, greasewood, sparse grass.
- 
- N. 88°35' E., on N. bdy. of sec. 4.
- 40.50 Over level valley, through dense brush.  
Re-establish  $\frac{1}{4}$  sec. cor., as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on  
S. rim;  $\frac{1}{4}$  S 4 in S. half; from which,  
A mesquite tree 12 ins. diam. brs. S. 8° E. 55 lks. dist.,  
marked  $\frac{1}{4}$  S 4 B T.
- 81.00 Destroy old cor., and reestablish as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in  
the ground for cor. of secs. 3 & 4, marked on  
brass cap, T 8 S in S., R 8 E in W., and  
T 7 S, S 33, S 34, in N. half, 1913 on S. rim;  
S 3 in SE., and S 4 in SW. quad.; from which,  
A mesquite tree 12 ins. diam. brs. S. 55 $\frac{1}{2}$ ° E. 24 lks. dist.,  
marked T 8 S R 8 E S 3 B T.  
A mesquite tree 12 ins. diam. brs. S. 49° W. 42 lks. dist.,  
marked T 8 S R 8 E S 4 B T.  
Land, level. Soil, 2nd rate, loamy. Mesquite, greasewood.

Re-survey of North Boundary of T. 8 S., R. 8 E.

Chains.

40.35 N. 89°14' E., on N. bdy. of sec. 3., over level land.  
 Re-establish  $\frac{1}{4}$  sec. cor. as follows:  
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 3 in S. half; from which,  
 A mesquite tree 12 ins. diam. brs. S. 12° E. 140 lks. dist.,  
 Road, bears NW. and SE. (marked,  $\frac{1}{4}$  S 3 B T .

53.35 Re-establish sec. cor., as follows:  
 80.70 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2 & 3, marked on brass cap, T 8 S in S.,  
 R 8 E in W., and  
 T 7 S, S 34, S 35, in N. half, 1913 on S. rim;  
 S 2 in SE., and  
 S 3 in SW. quad.; no bearings available,  
 dig pits 24x24x12 ins. in each sec. SE. & SW. 6 ft. dist. & raise a mound of earth 4 ft. base 2 ft. high S. of cor.  
 Land, level.  
 Soil, 2nd rate, sandy, loamy, loose, dry.  
 Scattering mesquite timber, greasewood, cacti,

5.00 N. 89°14' E., on N. bdy. of sec. 2.  
 40.35 Over gently undulating land, through scattering brush. Wash, 20 lks. wide, course NW.  
 Re-establish  $\frac{1}{4}$  sec. cor. as follows:  
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 2 in S. half; from which,  
 A mesquite tree 7 ins. diam. brs. S. 21° W. 76 lks. dist., marked  $\frac{1}{4}$  S 2 B T.

80.70 Re-establish sec. cor. as follows:  
 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1 & 2, marked on brass cap, T 8 S in S., S 1 in SE., & S 2 in SW.  
 R 8 E in W., and quad. & 1913 on S. rim;  
 T 7 S, S 35, S 36, in N. half;  
 dig pits 24x24x12 ins. in each sec. SE. & SW. 6 ft. dist., & raise a mound of earth 4 ft. base, 2 ft. high S. of cor.  
 Land, level, gently undulating.  
 Soil, 2nd rate, loamy, sandy, dry, sedimentary.  
 Mesquite, greasewood, cacti, sage brush, sparse grass.

40.35 N. 89°14' E., on N. bdy. of sec. 1.  
 Over gently undulating land, through scattering brush.  
 Re-establish  $\frac{1}{4}$  sec. cor. as follows:  
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 1 in S. half; no bearings available,  
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high S. of cor.

45.70 Old road, brs. NE. & SW.  
 56.90 Road, brs. NE. & SW.  
 67.20 Wash, 20 lks. wide, course NNW.  
 80.70 To cor. of Tps. 7 & 8 S., R. 8 E., reestab. by me, as hereinbe-  
 Land, level, gently undulating. (fore described.)  
 Soil, 2nd rate, loose, dry, sedimentary.  
 Mesquite, greasewood, sage brush, few cacti, sparse grass.

General Description.

The N. bdy. of T. 8 S., R. 8 E. runs over a smooth level valley, draining to the NNW., across the main Santa Cruz draw; a wide, very shallow wash, extending across secs. 3, 4, & 5, which lands are subject to overflow during or after heavy rains. These lands are fertile, and could be farmed successfully, with or without irrigation.

Nov. 10, 1913. J. B. W.

68 Resurvey of Boundary of T. 7 S., R. 7 E.

Chains.

Nov. 11, 1913.  
 In order to test the measurement and alinement of the west bdy. of T. 7 S., R. 8 E., or rather the East bdy. of T. 7 S., R. 7 E., I proceed as follows: -  
 At 8h a.m., l.m.t., at orig. cor. of Tps. 7 & 8 S., Rs. 7 & 8 E., hereinbefore described,  
 I set off 17°20½' S. on the decl. arc, and 32°46' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per field notes furnished by the Surveyor General,

7 North, bet. secs. 31 & 36, on random line.  
 Over gently undulating valley, through dense mesquite, greasewood, and other brush.

39.88 Find traces of old ¼ sec. cor. 43 lks. to E. of line, which I destroy, and same point, reestablished as follows:  
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 36 in W. half; 1913 on S. rim;  
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

\*Note:- (Corners on this line are common to 2 secs. only for southern portion, as developed later, closing corners being set from subdivisions to the east. Proper markings are given in field notes hereof, for purposes of convenience, dates being subordinated.)

The true bearing of this ½ mile is N. 0°37' E., 39.88 chs.  
 From above described ¼ sec. cor., I run,

37.12 North, on random line,  
 Road, brs. NE. & SW.

38.10 Road, brs. E. & W.

39.88 Orig. cor. of secs. 25, 30, 31 & 36, brs. East, 43 lks. dist., which is an old decayed post, marked and witnessed as described by the Surveyor General.  
 This old cor., I destroy, & at orig. cor. pt., reestab. as follows:  
 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25 & 36, marked on brass cap, T 7 S in N., and  
 S 30, S 31, R 8 E, in E. half, 1913 on S. rim;  
 S 25 in NW., and  
 S 36, R 7 E, in SW. quad.; no trees in limits,  
 dig pits 24x24x12 ins. in each sec. SW. & NW. of cor. 6 ft. dist. & raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level. Soil, 2nd rate, loamy, sedimentary, fertile. Mesquite and greasewood, sage brush, sparse grass.  
 True bearing of last ½ mile is N. 0°37' E. 39.88 chs.

Thence this line is cleared, a new, dim road being alongside; flags on the corners being plainly visible,  
 Therefore, from the above described cor., I run,  
 N. 0°12' W., on a true line, on E. bdy. of sec. 25.

40.06 To orig. ¼ sec. cor., which is an old decayed post, as described by the Surveyor General, which I destroy, and at the original cor. point, reestab. as follows:  
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 on S. rim; ¼ S 25 in W. half; no bearings available,  
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

Thence I run, on a true line,  
 N. 0°39' W.

40.17 Remains of orig. cor. of secs. 19, 24, 25 & 30, on line, which is an old decayed post, marked as described by the Surveyor General, which I destroy, and at orig. cor. point, reestablish as follows:  
 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 24 & 25, marked on brass cap, T 7 S in N., and  
 S 19, S 30, R 8 E. in E. half, 1913 on S. rim;  
 S 24 in NW., and  
 S 25, R 7 E, in SW. quad.;

Retracement & Re-survey of East Boundary of T. 7 S., R. 7 E.

Chains.	<p>No bearings available.          Dig pits 24x24x12 ins. in each sec. <sup>SW. &amp; NW.</sup> 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.          Land, level, Soil, 2nd rate, loamy, sandy, sedimentary.          Mesquite, greasewood, sage brush, few cacti, sparse grass.</p> <hr/>
10.00	<p>N. 0° 8' E., on a true line, on East bdy. of sec. 24.          Over level land, drains to NNW., through dense brush.          Road, brs. NW. &amp; SE.</p>
40.12	<p>Find traces of old cor. Destroy same, and reestab. as follows:          Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap, <math>\frac{1}{4}</math> S 24 in W., half; 1913 on S. rim;          dig pits 18x18x12 ins. N. &amp; S. of cor. 3 ft. dist., and raise a mound of earth 3<math>\frac{1}{2}</math> ft. base, 1<math>\frac{1}{2}</math> ft. high W. of cor.</p>
80.00	<p>Dim road, brs. E. &amp; W.</p>
80.23	<p>To orig. cor. of secs. 13, 18, 19 &amp; 24, which is a mesquite post, marked and witnessed as described by the Surveyor General. I change the markings thereon to refer to secs. 13 &amp; 24, of T. 7 S., R. 7 E., only, and dig pits 24x24x12 ins. in each sec. <sup>SW. &amp; NW.</sup> 6 ft. dist., &amp; raise a mound of earth 4 ft. base 2 ft. high W. of cor.          No bearings available.          Land, level, drains to NNW.          Soil, 3rd &amp; 2nd rate, sandy, loamy, loose, dry, fertile.          Mesquite, greasewood, sage brush, dense and low.</p> <hr/>
	<p>Thence on this line cors. are common to 4 secs.</p>
40.08	<p>N. 0° 24' W., on a true line, bet. secs. 13 &amp; 18.          Over level land, through dense brush. (as follows:          Find remains of orig. <math>\frac{1}{4}</math> sec. cor., which I destroy, &amp; reestab.          Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap, 1913 on S. rim; <math>\frac{1}{4}</math> S 13 in W., and S 18 in E. half; no bearings available,          dig pits 18x18x12 ins. N. &amp; S of cor. 3 ft. dist., and raise a mound of earth 3<math>\frac{1}{2}</math> ft. base, 1<math>\frac{1}{2}</math> ft. high W. of cor.</p>
80.16	<p>To orig. cor. of secs. 7, 12, 13 &amp; 18, which is a mesquite post, well marked and witnessed as described by the Surveyor General. I establish new bearing trees, as follows:          A mesquite tree 12 ins. diam. brs. S. 24° W. 158 lks. dist., marked T 7 S R 7 E S 13 B T.          A mesquitetree 14 ins. diam. brs. N. 59° W. 94 lks. dist., marked T 7 S R 7 E S 12 B T.          No other bearings available;          dig pits 18x18x12 ins. in each sec. 5<math>\frac{1}{2}</math> ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.          Land, level, drains to NNW.          Soil, 2nd rate, loamy, loose.          Mesquite, greasewood, sage brush, sparse grass.          At this cor., at noon, I set off, 17° 24<math>\frac{1}{2}</math>' S. on the decl. arc, and observe the sun on the meridian.          The resulting lat. is 32° 49' N.</p> <hr/>

## Retracement and

70

Re-survey of East Boundary of T. 7 S., R. 7 E.

## Chains.

- N. 0° 3' W. bet. secs. 7 & 12.  
Over gently rolling or level land, drain to **WNW.**,  
through dense mesquite brush, greasewood.
- 24.15 Road, brs. E. & W.  
40.13 Orig.  $\frac{1}{4}$  sec. cor., on line, badly decayed mesquite post,  
as described by the Surveyor General, which I destroy,  
and at the orig. cor. point, reestab. as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on  
S. rim;  $\frac{1}{4}$  S 12 in W., and  
S 7 in E. half; no trees available,  
dig pits 18x18x12 ins. N. & 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.  
Joint house of E. S. and J. W. Jacobson brs. S.  $41\frac{1}{2}$ °E.  
about 20 chs. dist.
- Thence I run, on true line,  
N. 0°15' E.
- 9.60 Road, brs. E. & W.  
39.97 Road, brs. E. & W., on newly cleared line.  
40.10 Orig. cor. of secs. 1, 6, 7 & 12, on line, which is a  
mesquite post, marked and witnessed as described by  
the Surveyor General.  
Re-dig pits 18x18x12 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 bearings available.  
Land, level, drains to NW.  
Soil, 2nd rate, sandy, loose, dry.  
Greasewood, mesquite, sage brush.
- 
- N. 0° 28' E., on a true line bet. secs. 1 & 6.  
Over gently undulating land, through dense low brush.
- 35.10 Dim road, brs. NE. & SW.  
40.11 To orig.  $\frac{1}{4}$  sec. cor., which is an old mesquite post,  
badly decayed, marked as described by the Surveyor  
General, which I destroy, and at orig. cor. point, reestab. as  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in (follows:  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on  
S. rim;  $\frac{1}{4}$  S 1 in W., and  
S 6 in E. half; from which,  
A mesquitetree 20 ins. diam. brs. West, 22 lks. dist.,  
marked  $\frac{1}{4}$  S 1 B T.  
Dig pits 18x18x12 ins. N. & 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,  
N. 0° 23' E.
- 39.87 Road, brs. E. & W., on newly cleared line.  
39.97 To orig. cor. of Tps. 6 & 7 S., Rs. 7 & 8 E., which is a  
well preserved mesquite post, marked and witnessed as  
described by the Surveyor General. I establish new  
bearing trees as follows: -  
A mesquite tree 17 ins. diam. brs. N. 23°E. 306 lks. dist.,  
marked T 6 S R 8 E S 31 B T.  
A mesquite tree 20 ins. diam. brs. S. 75°E. 405 lks. dist.,  
marked T 7 S R 8 E S 6 B T.  
A mesquite tree 16 ins. diam. brs. S. 9°W. 221 lks. dist.,  
marked T 7 S R 7 E S 1 B T.  
A mesquite tree 14 ins. diam. brs. N. 20°W. 245 lks. dist.,  
marked T 6 S R 7 E S 36 B T.  
Picacho Peak brs. S.  $33^{\circ}18'$  E.  
A sharp butte near N. end of Picacho Mts. brs. N.  $88^{\circ}56'$  E.  
Land, level, gently rolling.  
Soil, 2nd rate, loamy, sandy, loose, dry.  
Mesquite, greasewood, sage brush, few cacti.

## General Description.

The E. bdy. of T. 7 S., R. 7 E. runs over a smooth level valley, covered in general with dense growth of mesquite and other brush. The soil is a fine loam, and would produce well if watered.

Nov. 11, 1913. J. B. W.

Retracement of South Boundary of T. 6 S., R. 8 E. 71

Chains.	Nov. 10, 1913. W. H. E.
	At 8h a.m., l.m.t., at the cor. of Tps. 6 & 7 S., Rs. 8 & 9 E., reestab. by J. B. Wright, as, hereinbefore described.
	I set off 17°03½' S. on the decl. arc, and 32°51' N. on the lat. arc, and determine a meridian with the solar.
	Thence I run, as per field notes furnished by the Surveyor General,
	S. 89°47' W., on a random line, for purposes of retracement, and testing the measurement and alinement of the S. bdy. of T. 6 S., R. 8 E.
40.00	No trace of orig. ¼ sec. cor. found after diligent search.
80.10	Orig. cor. of secs. 1, 2, 35 & 36 brs. South, 2 lks. dist., which is a mesquite post, marked and witnessed as described by the Surveyor General. True bearing this mile is S. 89°46' W., 80.10 chs.
	Thence I run,
	S. 89°47' W. on a random line, bet. secs. 2 and 35.
40.00	No trace of orig. ¼ sec. cor. found after diligent search.
80.18	Orig. cor. of secs. 2, 3, 34 & 35 brs. North, 14 lks. dist., which is a mesquite post, as described by the Surveyor General, badly decayed. True bearing this mile, S. 89°53' W., 80.18 chs.
	Thence I run,
	S. 89°47' W. on random line, bet. secs. 3 and 34.
40.00	No trace of orig. ¼ sec. cor. found after diligent search.
80.14	Orig. cor. of secs. 3, 4, 33 & 34 brs. South, 2 lks. dist., which is a mesquite post, marked and witnessed as described by the Surveyor General. True bearing this mile S. 89°46' W. 80.14 chs.
	Thence I run,
	S. 89°47' W. on random line, bet. secd. 4 and 33.
40.03	Orig. ¼ sec. cor., 10 lks. N. of line, old mesquite post, with traces of pits, as described by the Surveyor General.
80.06	Orig. cor. of secs. 4, 5, 32 & 33 brs. North, 19 lks. dist., which is a mesquite post, marked as described by the Surveyor General. True bearing this mile S. 89°55' W., 80.06 chs.
	Thence I run,
	S. 89°47' W., on random line, bet. secs. 5 and 32.
40.07	Find traces of orig. ¼ sec. cor. 5 lks. to S. of line, an old decayed post, as described by the Surveyor General.
80.18	Orig. cor. of secs. 5, 6, 31 & 32 brs. South, 9 lks. dist., which is an old mesquite post, marked and witnessed as described by the Surveyor General. True bearing this mile S. 89°43' W., 80.18 chs.
	Thence I run,
	S. 89°47' W. on random line, bet. secs. 6 and 31.
40.04	Orig. ¼ sec. cor. brs. North, 4½ lks. dist., which is a mesquite post, marked as described by the Surveyor General.
82.90	Orig. cor. of Tps. 6 & 7 S., Rs. 7 & 8 E. brs. N. 9 lks. dist. hereinbefore described. True bearing this mile S. 89°51' W., 82.90 chs.
	At this cor., at noon, The sky is overcast, impracticable to observe the lat.
	-----
	From the data above determined, I proceed to re-survey the S. bdy. of T. 6 S., R. 8 E., re-establishing the lost, and obliterated corners thereon, and also setting new corners throughout the line, as the old corners are badly decayed and dilapidated.
	Therefore, from the cor. of Tps. 6 & 7 S., Rs. 7 & 8 E., hereinbefore described, I run,
	on true lines, as determined from my retracements,

Chains,

- N.  $89^{\circ}51'$  E., bet. secs. 6 & 31.  
Over gently rolling valley, along cleared line, through scattering brush, mesquite, greasewood, sage brush.
- 40.00 House of Edwin Michael brs. South, about 6 chs. dist.
- 42.86 Destroy old cor., and at orig. cor. point, reestab. as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 31 in N., and  
S 6 in S. half; no bearings available,  
dig pits 18x18x12 ins. E & 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.
- 47.70 Road, brs. N. & S. (follows:  
82.90 Destroy orig. sec. cor., and at orig. cor. point, reestab. as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 6 S in N.,  
T 7 S in S., and  
R 8 E in W. half, 1913 on S. rim;  
S 31 in NW.,  
S 32 in NE.,  
S 5 in SE., and  
S 6 in SW. quad.; no bearings available,  
dig pits 18x18x12 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.  
Land, level, gently rolling.  
Soil, 2nd rate, sandy, loose, loamy, dry, fertile.  
Mesquite, greasewood, and other low brush.
- 
- N.  $89^{\circ}43'$  E. bet. secs. 5 & 32.  
Over gently rolling valley, through dense brush.
- 40.11 Orig.  $\frac{1}{4}$  sec. cor., which I destroy, and at orig. cor. pt. reestab. as follows:  
Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 32 in N., and  
S 5 in S. half; from which,  
A mesquite tree 24 ins. diam. brs. S.  $33^{\circ}\frac{3}{4}'$  E. 140 lks. dist., marked  $\frac{1}{4}$  S 5 B T.  
A mesquite tree 10 ins. diam. brs. N.  $38^{\circ}\frac{3}{4}'$  W. 124 lks. dist., marked  $\frac{1}{4}$  S 32 B T.
- 80.18 Destroy orig. cor., and at same point, reestab. as follows:  
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 & 33, marked on brass cap, T 6 S in N.,  
T 7 S in S., and  
R 8 E in W. half, 1913 on S. rim;  
S 32 in NW.,  
S 33 in NE.,  
S 4 in SE., and  
S 5 in SW. quad.; no bearings available,  
dig pits 18x18x12 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.  
Land, gently rolling.  
Soil, 2nd rate, sandy, loamy, dry, fertile.  
Mesquite, greasewood and other low brush.
- 
- N.  $89^{\circ}55'$  E., bet. secs. 4 and 33.  
Over gently rolling valley, through cleared land.
- 3.00 House of R.H. Miller, brs. S. 3 chs. dist.
- 40.05 Destroy old  $\frac{1}{4}$  sec. cor., and reestablish as follows:  
Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 33 in N., and  
S 4 in S. half; 1913 on S. rim;  
dig pits, 18x18x12 ins., E. & 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.
- 43.00 Small frame house bears S. 2.50 chs. dist.
- 80.06 Destroy old sec. cor., and reestablish as follows:  
Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 3, 4, 33 and 34, marked on brass cap,

## Re-survey of South Boundary of T. 6 S., R. 8 E.

Chains.	<p>R 8 E in W.,  T 6 S in N. and  T 7 S in S. half; 1913 on S. rim ;  S 33 in NW.,  S 34 in NE.,  S 3 in SE. and  S 4 in SW. quad. ;  dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and  raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.  Land, gently rolling.  Soil, sandy, loose, loamy, dry, fertile, 2nd rate.</p>
	<p>N. 89°46' E. bet. secs. 3 &amp; 34.  Over slightly undulating land from which brush has been  cleared.</p>
11.00	Road, N. & S.
20.00	Leave cleared land and through mesquite.
40.07	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for reestab. ¼ sec. cor., marked on brass cap, 1913 on S. rim ; ¼ S 34 in N. and S 3 in S. half; from which A mesquite tree 6 ins. dia., bears S. 6° W. 126 lks. dist., marked ¼ S 3 B T A mesquite tree 6 ins. dia., bears N. 32½° W. 144 lks. dist., marked ¼ S 34 B T.
80.14	Destroy old sec. cor., and reestablish as follows:
80.14	Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 34 & 35, mkd. on brass cap, R 8 E in W, T 6 S in N. and T 7 S in S. half; 1913 on S. rim ; S 34 in NW., S 35 in NE., S 2 in SE. and S 3 in SW. quad; No bearings available. dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, gently undulating. Soil, loamy, dry, 2nd rate. Mesquite and greasewood brush.
	<p>N. 89°53' E., bet. secs. 2 &amp; 35.  Over gently rolling land, through thick brush.</p>
3.50	Road, SSW. & NNE.
40.09	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in ground for reestab. ¼ sec. cor., marked on brass cap, 1913 on S. rim ; ¼ S 35 in N. and S 2 in S. half; from which A mesquite tree 8 ins. dia., bears N. 78½° E. 174 lks. dist., marked ¼ S 35 B T A mesquite tree 12 ins. dia., bears S. 12° E. 114 lks. dist., marked ¼ S 2 B T
41.20	S. end of dam bears N. 2 chs. dist.
80.18	Destroy old sec. cor., and reestablish as follows:
80.18	Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 1, 2, 35 & 36, marked on brass cap, R 8 E in W, T 6 S in N. and T 7 S in S. half; 1913 on S. rim ; S 35 in NW., S 36 in NE., S 1 in SE. and S 2 in SW. quad; dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, slightly rolling. Soil, dry, sandy loam, 2nd rate. Mesquite, greasewood and other brush.



Re-survey of South Boundary of T. 6 S., R. 8 E.

Chains.  
 N. 89°46'E., bet. secs. 1 & 36.  
 Over gently rolling land, through dense brush.  
 28.00 Wash, 20 lks. wide, course NNW.  
 33.40 Wash, 50 lks. wide, course NNW.  
 40.05 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for reestab.  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 36 in N. and S 1 in S. half; from which  
 A mesquite tree 10 ins. dia., bears S. 45 $\frac{1}{2}$ ° E. 50 lks. dist., marked  $\frac{1}{4}$  S 1 B T  
 A mesquite tree, 10 ins. dia., bears N. 45 $\frac{3}{4}$ ° W. 105 lks. dist., marked  $\frac{1}{4}$  S 36 B T  
 46.00 Wash, 15 lks. wide, course NW.  
 80.10 Cor. of Tps. 6 & 7 S., Rs. 8 & 9 E., reestab. by J. B. Wright, hereinbefore described.  
 Land, gently rolling.  
 Soil, fine sandy loam, dry, 2nd rate.  
 Mesquite, greasewood and other brush. W. H. E.  
 Nov. 10, 1913.

General Description.

The S. bdry. of T. 6 S., R. 8 E. runs over a slightly rolling valley, from part of which the mesquite and brush is being removed. The soil is a fine loam and would produce well if watered.

T. 7 S., R. 8 E.

Latitudes, departures and closing errors.

Line Designated	True Bearing.	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
T. 8 S., R. 8 E.						
N. bdry. secs. 1, 2 & 3	S. 89°14' W.	242.10	-----	3.24	-----	242.08
N. bdry. sec. 4	S. 88°35' W.	81.00	-----	2.00	-----	80.97
N. bdry. sec. 5	S. 89°57' W.	40.30	-----	.64	-----	40.30
N. bdry. sec. 6	N. 89°08' W.	40.10	0.61	-----	-----	40.10
	N. 89°08' W.	40.10	0.61	-----	-----	40.10
	N. 89°50' W.	40.08	0.12	-----	-----	40.08
T. 7 S., R. 7 E.						
E. bdry. sec. 36	N. 0°37' E.	79.76	79.76	-----	0.86	-----
E. bdry. sec. 25	N. 0°12' W.	40.06	40.06	-----	-----	0.14
	N. 0°39' W.	40.17	40.17	-----	-----	0.45
E. bdry. sec. 24	N. 0°08' E.	80.23	80.23	-----	0.19	-----
E. bdry. sec. 13	N. 0°24' W.	80.16	80.16	-----	-----	0.56
E. bdry. sec. 12	N. 0°03' W.	40.13	40.13	-----	-----	0.04
	N. 0°15' E.	40.10	40.10	-----	0.18	-----
E. bdry. sec. 1	N. 0°28' E.	40.11	40.11	-----	0.33	-----
	N. 0°23' E.	39.97	39.97	-----	0.27	-----
T. 6 S., R. 8 E.						
S. bdry. sec. 31	N. 89°51' E.	82.90	0.21	-----	82.90	-----
S. bdry. sec. 32	N. 89°43' E.	80.18	0.40	-----	80.18	-----
S. bdry. sec. 33	N. 89°55' E.	80.06	0.12	-----	80.06	-----
S. bdry. sec. 34	N. 89°46' E.	80.14	0.33	-----	80.14	-----
S. bdry. sec. 35	N. 89°53' E.	80.18	0.16	-----	80.18	-----
S. bdry. sec. 36	N. 89°46' E.	80.10	0.33	-----	80.10	-----
E. bdry.	S. 0°09' W.	478.57	-----	478.57	-----	1.25
Convergence					0.47	-----
Totals			483.58	483.85	485.86	486.07
				483.58		485.86

Error in latitude ----- .27  
 Error in departure ----- 0.21

*Jesse B Wright*  
*William B. Elliott*  
 U. S. Surveyors.

Nov. 10, 1913.

## CERTIFICATE OF ASSISTANTS.

( Same applies to notes of surveys by William H. Elliott in Book "C" )

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,

William H. Elliott

, U. S. Surveyor, during the periods and in the capacities

stated opposite our several signatures, in surveying all those parts or portions of OriginalSurveys, Retracements and resurveys of Township Boundaries

under

Group No. 30, Arizona,

South and East

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

and those in Book "C"  
 which are represented in the foregoing field notes, as having been executed by him, and under his direction; and that said surveys, retracements and resurveys have been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<i>Thos Birdekoff</i>	June 22, 1913.	Sept. 8, 1913.	Chainman.
<i>Thos F. Shimpf</i>	June 22, 1913.	Sept. 8, 1913.	Chainman.
<i>William D. B. Stutz</i>	June 22, 1913.	Nov. 20, 1913.	Flagman.
<i>Rolla Richhart</i>	June 22, 1913.	Aug. 15, 1913.	Axeman.
<i>Daniel J. Blanski</i>	June 22, 1913.	Nov. 20, 1913.	Moundman.
<i>Carl Utter</i>	Aug. 16, 1913.	Sept. 8, 1913.	Axeman.
<i>Frank W. Fish</i>	Sept. 9, 1913.	Nov. 19, 1913.	Chainman.
<i>William G. Brewster</i>	Sept. 9, 1913.	Nov. 20, 1913.	Chainman.
<i>Charles J. Davis</i>	Sept. 9, 1913.	Sept. 30, 1913.	Axeman.
<i>Roy Crowder</i>	Oct. 2, 1913.	Nov. 19, 1913.	Axeman.

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

*William H. Elliott*

U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

(Same applies to notes of surveys by William H. Elliott in Book "C" )

I, William H. Elliott, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona bearing date of the 28th day of May, 1913, 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

Original Surveys,  
Retracements and resurveys of Township Boundaries  
under  
Group No. 30  
South and East of the Gila and Salt  
River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes, and those in Book "C" as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said surveys, retracements and resurveys 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 Arizona and in the specific manner described in the field notes, and that the foregoing, and notes in Book "C" are the original field notes of such surveys, retracements and resurveys.

*William H. Elliott*  
 U. S. Surveyor.

Subscribed by said William H. Elliott, and sworn to before me }  
 this 4<sup>th</sup> day of December, 1914

*Geo W. Norton*  
 United States Commissioner  
 at Yuma



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

1914

The foregoing field notes of the survey of

executed by \_\_\_\_\_  
 under his special instructions dated \_\_\_\_\_, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

\_\_\_\_\_  
 U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

\_\_\_\_\_  
 U. S. Surveyor General.

CERTIFICATE OF ASSISTANTS.

(same applies to notes of Surveys by Jesse B. Wright in Book "C")

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, Jesse B. Wright, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of

Surveys, re-surveys, and retracements of

Township Boundaries,

under

Group No. 30

South and East

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

and those in Book "C"

which are represented in the foregoing field notes, as having been executed by him, and under his direction; and that said surveys, resurveys or retracements have been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
Frank J. McSherry	June 22, 1913.	Nov. 20, 1913.	Chianman.
Watson Pichell	June 22, 1913.	Aug. 31, 1913.	Chairman.
Raymond Wash	June 22, 1913.	Sept. 1, 1913.	Flagman.
Thomas E. Hattley	June 22, 1913.	Nov. 20, 1913.	Chainman.
James B. Moon	June 22, 1913.	Nov. 20, 1913.	Axeman.
Leo Westfield	June 22, 1913.	Aug. 24, 1913.	Moundman.
John P. Lipps	Aug. 28, 1913.	Nov. 19, 1913.	Flagman.
John W. Daily	Sept. 1, 1913.	Sept. 8, 1913.	Axeman.
Calvin C. ...	Sept. 9, 1913.	Sept. 30, 1913.	Axeman.
	Sept. 2, 1913.	Nov. 19, 1913.	Axeman.

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

Jesse B. Wright U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.  
(Same applies to notes of surveys by Jesse B. Wright, in Book "C")

I, Jesse B. Wright, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona bearing date of the 28th day of May, 1913, 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

Original survey, re-surveys, and retracements of  
Township Boundaries  
under Group No. 30

South and East, of the Gila and Salt  
River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such surveys, *resurveys and retracements.*

*Jesse B. Wright*  
U. S. Surveyor.

Subscribed by said Jesse B. Wright, and sworn to before me }  
this 3rd day of February, 1914

*Frank Ingalls*  
Surveyor General of Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Phoenix, Arizona*, **DECEMBER 30** 1914.

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

*Retracements & Resurveys*  
*of*  
*Township Boundaries*

*South and East of the Gila and Salt River Base and Meridian, Arizona.*

executed by Jesse B. Wright and William H. Elliott, U.S. Surveyors under ~~his~~ special instructions dated May 28th, 1913 for Group No. 30, ~~1913~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank Ingalls*  
U. S. Surveyor General.  
OF ARIZONA.

~~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.~~