

3016

G.L.O. letter "E"
March 29, 1919.

Book "A"

4-679

3016

(Standard Lines and Township Boundaries)

FIELD NOTES

OF THE SURVEY OF THE
 2nd Standard Parallel North, thru. Ranges 15 and 16 West,
~~4th. Guide Meridian West, thru. Ts. 9, 10, 11 and 12 North,~~
 South, West and North bdrs. of T. 10 N., R. 17 W., and T. 10 N., R. 18 W.,
 South bdy. of fracl. T. 10 N., R. 19 W.,
 West and North bdrs. of T. 11 N., R. 17 W.,
 North bdrs. of fracl. T. 11 N., R. 18 W., T. 10 N., R. 16 W. & T. 11 N., R. 15 W.,
~~West bdrs. of T. 12 N., R. 17 W. & Fracl. Ts. 12 N., Rs. 13 and 19 W.,~~
 Parts of the East bdrs. of T. 10 N., R. 16 W., and T. 11 N., R. 15 W.,
 West half of North bdy. of T. 10 N., R. 15 W.,
 East and North bdrs. of T. 11 N., R. 16 W.,
 East bdrs. of T. 12 N., R. 15 W., and T. 12 N., R. 16 W.
~~South and East bdrs. of T. 12 N., R. 14 W., and the~~
 West half of South bdy. of T. 12 N., R. 13 W.,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Alexander T. Harris and John Gonin,

U. S. Transitmen,

In the capacity of U. S. Surveyor, under instructions dated February 13., 1915,
 issued by the United States Surveyor General to govern surveys included in
 Group No. 48, which were approved by the Commissioner of the General Land
 Office, February 26., 1915.

Survey commenced November 4., 1915.

Survey completed April 11., 1916.

Executed under Assignment
Instructions dated Oct. 15, 1915.

1916

Book "A"

Group 48 - - - Arizona.

See Special Index Diagram.

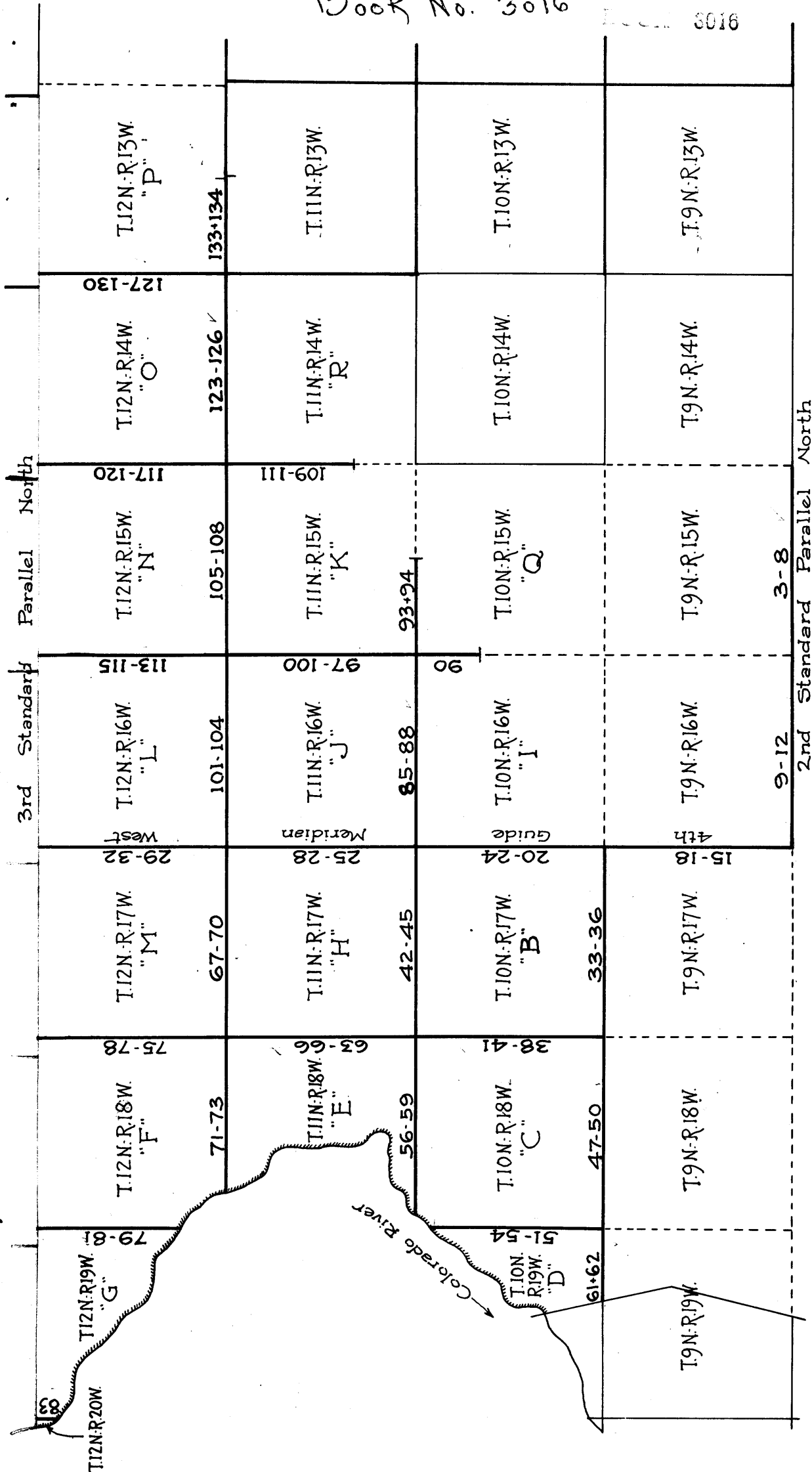
INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

INDEX-DIAGRAM. 3016
Book "A" Group No 48 Arizona

Book No. 3016



----- Unsurveyed.
 _____ Surveyed under Group 36.
 _____ Surveyed under this Group.
 _____ Surveyed under Group 41.
 _____ Surveyed under Group 42.
 _____ Accepted surveys.
 ~~~~~ Mean lines surveyed under this Group.



Standard Lines and Township Boundaries-Group 48, Arizona.

Chains

Surveys hereinafter described were executed by Alexander T. Harris and John Gonin, U.S. Transitmen, on dates shown on diagram on page 2 hereof, using Young & Son's light mountain transits Nos. 8611 and 8492, respectively. Transit No. 8611 described and tested by Alexander T. Harris U.S.T., as follows: The instrument has a Smith solar attachment, and the horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, Oct. 14 and 15, 1915, found to deviate less than 1' from the true meridian, and was approved Oct. 15, 1915, by the Assistant Supervisor of Surveys for Arizona and California, conditional upon satisfactory field tests.

In the survey of all lines hereinafter described, slope measurements were made with 5 chain tapes, slope angles read with the clinometer, and the correct horizontal distances computed for each item of topography.

I examine the adjustments of the transit and find them correct, except for small errors in the plate bubble, which I correct; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

Oct. 22, 1915. At my camp, near Butler Well, near the  $\frac{1}{4}$  sec. cor., bet. secs. 20 and 21, T. 8 N., R. 14 W., in lat.  $34^{\circ}1' N.$ ; long.  $113^{\circ}44\frac{1}{2}' W.$ , at 5h. 27.1m. a.m., l.m.t., by my watch, which is set to correct local mean time, I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a hub set firmly in the ground, 10 chs. N. of my station.

At 7h. 0m. a.m., l.m.t., I lay off the azimuth of Polaris,  $1^{\circ}22\frac{1}{2}'$  to the east, and mark a point in the line thus determined on a hub, firmly set in the ground 10 chs. N. of my station.

At 8h. 0m., a.m., l.m.t., I set off  $34^{\circ}1' N.$  on the lat. arc;  $10^{\circ}47' S.$  on the decl. arc, and determine a meridian with the solar; the line thus determined departs less than 1' from the meridian determined by observations on Polaris at elongation.

At apparent noon, I set off  $10^{\circ}51\frac{1}{2}' S.$  on the decl. arc, and observe the sun on the meridian; the resulting lat. is  $34^{\circ}1' N.$

At 4h. 0m., p.m., l.m.t., I set off  $34^{\circ}1' N.$  on the lat. arc;  $10^{\circ}54' S.$  on the decl. arc, and determine a meridian with the solar; the line thus determined departs less than 1' from the meridian determined by observations on Polaris at elongation.

The solar apparatus, by a.m. and p.m. observations, defines positions for meridians which depart less than 1' from the true meridian; therefore, since this instrument fulfils the conditions of my instructions, I conclude that its adjustments are satisfactory.

Oct. 22, 1915.

Instrument 8492 described with test by John Gonin, U.S.T., in Book "B" of this group. A later test of both instruments is described on page 51 of this book.

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SECOND STANDARD PARALLEL NORTH, THRU RANGE 15 WEST.  
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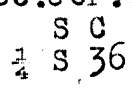
From a point on the secant, 3 lks. S. of original standard cor. of Ts. 9 N., Rs. 14 and 15 W., which is an iron post 3 ins. diam., properly set, marked and witnessed, as de-

4. Second Standard Parallel North, through Range 15 West.

Chains

described by the surveyor general.

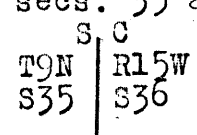
- N. 89° 58' W., on the secant, south of sec. 36.
- Over rolling and mountainous land, through scattering undergrowth.
- Descend 20 ft. to
- 1.47 Wash, 20 lks. wide, course SW. Ascend 40 ft.
- 1.70 From this point the CC.WC. of Ts. 8 N., Rs. 14 and 15 W., a 3 in. iron post, properly set, marked and witnessed, as described by the surveyor general, brs. S. 1.47 chs. dist.
- 16.45 Spur, slopes S. Descend to
- 26.45 Wash, 20 lks. wide, 1 ft. deep, course SE. Ascend 355 ft.
- Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point,
  - By 1st set, 39.97 chs.,
  - By 2nd set, 40.03 chs., the mean of which is
- 40.00 N. 2 lks. from the secant.
- Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 1½ ft. high, for standard ¼ sec. cor., marked on brass cap,



1915

and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.

- 44.99 Ridge, brs. N. and S. Descend 140 ft. to
- 53.21 Gulch, 10 lks. wide, 1 ft. deep, course SW. Ascend 55 ft. to
- 63.84 Spur slopes SW. Descend 185 ft. to
- 71.31 Wash, 50 lks. wide, 5 ft. deep, course S. Ascend 175 ft. to
- Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point,
  - By 1st set, 79.97 chs.,
  - By 2nd set, 80.03 chs., the mean of which is
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 15 ins. high, for standard cor. of secs. 35 and 36, marked on brass cap,



1915

and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.

Land, rolling and mountainous.  
 Soil, sandy and rocky, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

- N. 89° 59' W., on the secant, through sec. 35.
- Over mountainous land, through scattering undergrowth.
- Ascend 100 ft. to
- 8.35 Descend 25 ft. to
- 13.35 Ascend 55 ft. to
- 14.56 Ridge, brs. NE and SW. Descend 130 ft. to
- 21.54 Gulch, 10 lks. wide, 3 ft. deep, course NW. Ascend 85 ft. to
- 28.61 Spur, slopes N. Descend 75 ft. to
- 34.50 Wash, 20 lks. wide, 2 ft. deep, course SW. Ascend 35 ft. to
- Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point,
  - By 1st set, 39.97 chs.

Second Standard Parallel North, Through Range 15 West. 5

Chains.

40.00 By 2nd set, 40.03 chs.; the mean of which is  
 S. 1 lk. from the secant.  
 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 1 1/2 ft. high, for standard 1/4 sec. cor., marked on brass cap

S C  
 1/4 S 35

1915

55.05 and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.  
 Desc. 85 ft. to  
 Wash, 50 lks. wide, 3 ft. deep, course SW. Asc. 135 ft. to

68.83 Spur, slopes S. Desc. 125 ft. to  
 Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point  
 By 1st set, 79.99 chs.  
 By 2nd set, 80.01 chs.; the mean of which

80.00 is  
 S. 2 lks. from the secant,  
 Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 15 ins. high, for standard cor. of secs 34 and 35, marked on brass cap

S C  
 T9N | R15W  
 S34 | S35

1915

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.  
 Land, mountainous.  
 Soil, gravelly and rocky; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

Oct. 25, 1915: At 9 hrs. 5 m. a.m., l.m.t., I set off 34° 48' N. on the lat. arc; 11° 51' S. on the decl. arc; and determine a meridian with the solar on the secant 2 lks. N. of std. cor. of secs. 34 and 35.

0.50 N. 89° 59' W., on the secant, through sec. 34.  
 8.91 Over mountainous land, through scattering undergrowth.  
 16.86 Desc. to  
 Wash, 30 lks. wide, 4 ft. deep, course S. Asc. 150 ft. to  
 Ridge, brs. N. and S. Desc. 170 ft. to  
 35.00 Gulch, 20 lks. wide, 5 ft. deep, course S. Asc. 250 ft. to  
 Spur, slopes S. Desc. 250 ft.  
 Difference between measurements of 40.00 chs. by two sets of chainmen is 5 lks.; position of middle point  
 By 1st set, 39.97 1/2 chs.  
 By 2nd set, 40.02 1/2 chs.; the mean of which

40.00 is  
 S. 3 lks. from the secant,  
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base, 15 ins. high, for standard 1/4 sec. cor., marked on brass cap

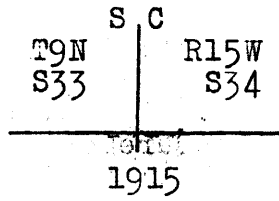
S C  
 1/4 S 34

1915

6. Second Standard Parallel North, Through Range 15 West.

Chains.

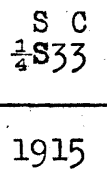
- and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
- 47.30 Gulch, 30 lks. wide, 4 ft. deep, course SE. Asc. 190 ft. to
- 57.41 Ridge, brs. NE. and SW. Desc. 350 ft., over cliff, 50 ft. high, brs. NE. and SW.
- 71.58 Spur, slopes NW. Desc. SW. slope to
- No difference between measurements of 80.00 chs. by two sets of chainmen.
- 80.00 S. 3 lks. from the secant,
- Set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, 1 ft. high, for standard cor. of secs. 33 and 34, marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.  
 Land, mountainous.  
 Soil, rocky; granite and shale formation; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, and cacti.

~~On 25, 1915: At this cor. I set a 35' iron post on the decl. side, and at apparent noon, I observed the sun on the meridian; the resulting lat. is 34° 42' N.~~

- West on the secant, through sec. 33.
- Over mountainous land, through scattering undergrowth.
- Desc. 40 ft. to
- 2.60 Wash, 50 lks. wide, 5 ft. deep, course NW. Asc. 15 ft. to
- 8.45 Spur, slopes N. Desc. 80 ft. to
- 18.36 Wash, 20 lks. wide, 3 ft. deep, course SW. Asc. 30 ft. to
- 24.33 Spur, slopes SW. Desc. 105 ft.
- No difference between measurements of 40.00 chs. by two sets of chainmen.
- 40.00 S. 3 lks. from the secant,
- Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, 10 ins. high, for standard ¼ sec. cor., marked on brass cap

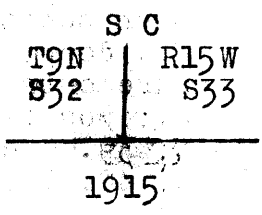


- and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
- 49.99 Center of wash, 1 ch. wide, 5 ft. deep, course SW. Asc. 70 ft. to
- 59.19 Spur, slopes SW. Desc. 75 ft. to
- 64.35 Wash, 20 lks. wide, 2 ft. deep, course S. Asc. 65 ft. to
- 69.86 Spur, slopes SW. Desc. NW. slope, 75 ft. to
- Difference between measurements of 80.00 chs. by two sets of chainmen is 3 lks.; position of middle point
- By 1st set, 79.98½ chs.
- By 2nd set, 80.01½ chs.; the mean of which is
- 80.00 S. 2 lks. from the secant,
- Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 15 ins. high, for standard cor. of secs. 32 and 33, marked on brass cap



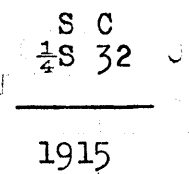
Second Standard Parallel North. Through Range 15 West.

Chains.



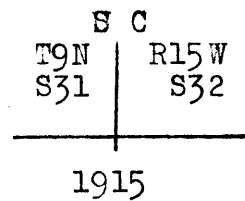
and raise a mound of stone, 3 ft. base, 2½ ft. high,  
N. of cor.  
Land, rolling and mountainous.  
Soil, rocky and gravelly; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo and cacti.

- S. 89° 59' W., on the secant, through sec. 32.  
Over rolling land, through scattering undergrowth.
- Desc. to
- 0.50 Wash, 30 lks. wide, 3 ft. deep, course SW. Asc. 95 ft. to
- 20.29 Spur, slopes SW. Desc. 155 ft. to
- 32.17 Wash, 20 lks. wide, 2 ft. deep, course SW. Thence over  
gently rolling land.
- 37.29 Wash, 30 lks. wide, 10 ft. deep, course S.  
Difference between measurements of 40.00 chs. by two sets  
of chainmen is 4 lks.; position of middle point  
By 1st set, 39.98 chs.  
By 2nd set, 40.02 chs.; the mean of which is
- 40.00 S. 1 lk. from the secant,  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for standard ¼ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
N. of cor.

- ~~At 2 hrs. 38 m. a.m. Sept. 1 set off  
34° 4' N. on the lat. arc; 12° 15' E. of the decl.  
arc: on determining a meridian with the solar on the  
noon, 1 hr. 10 m. of day; sec. cor. of sec. 32.~~
- 48.19 Wash, 20 lks. wide, 3 ft. deep, course SE. Asc. 65 ft. to
  - 53.10 Ridge, brs. NW. and SE. Desc. 165 ft.
  - 74.44 Road, brs. NW. to Swansea, and SE. to Butler's Well.  
No difference between measurements of 80.00 chs. by two  
sets of chainmen.
  - 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for standard cor. of secs. 31 and 32, marked on  
brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
N. of cor.  
Land, rolling.  
Soil, sandy and rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo and cacti.

S. 89° 58' W., on the secant, S. of sec. 31.

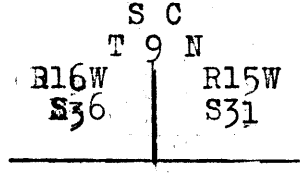
Second Standard Parallel North, Through Range 15 West.

Chains.

22.00 Over rolling land, through scattering undergrowth.  
 Wash, 20 lks. wide, 3 ft. deep, course NW.  
 Difference between measurements of 40.00chs. by two sets  
 of chainmen is 2 lks.; position of middle point  
 By 1st set, 39.99 lks.,  
 By 2nd set, 40.01 chs.; the mean of which is  
 40.00  
 N. 2 lks. from the secant,  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for standard  $\frac{1}{4}$  sec. cor., marked on brass cap  
 S C  
 $\frac{1}{4}$ S 31

1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
 N. of cor.  
 Thence over level land.  
 45.00 Enter dense growth of iron wood and palo verde, brs. NW.  
 and SE.  
 50.00 Wash, 50 lks. wide, 2 ft. deep, course NW.  
 60.00 Wash, 20 lks. wide, 3 ft. deep, course NW.  
 70.00 Leave dense growth of ironwood and palo verde, brs. NW.  
 and SE.  
 Difference between measurements of 80.00 chs. by two sets  
 of chainmen is 4 lks.; position of middle point  
 By 1st set, 79.98 chs.  
 By 2nd set, 80.02 lks.; the mean of which is  
 80.00  
 N. 3 lks. from the secant,  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for standard cor. of Tps. 9 N., Rs. 15 and 16  
 W., marked on brasscap



1915

dig pits, 30 X 24 X 12 ins., crosswise on each line,  
 E. and W. 4 ft., and N. of post, 8 ft. dist.; and  
 raise a mound of earth, 5 ft. base, 2 $\frac{1}{2}$  ft. high, N. of  
 cor.  
 Land, level and rolling; drains NW.  
 Soil, sandy; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, iron wood, greasewood,  
 ocotillo, sagebrush and cacti.

Second Standard Parallel North, Through Range 16 West. 9

Chains.

From a point on the secant, 3 lks. S. of the standard cor. of T. 9 N., Rs. 15 and 16 W., hereinbefore described, N.89° 58' W., on the secant, S. of sec. 36.  
 Over level land, through scattering undergrowth.  
 28.40 Road, brs. NW. to Swansea and SE. to Butler's Well.  
 35.00 Wash, 15 lks. wide, 3 ft. deep, course NW.  
 Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point  
     By 1st set, 39.98 chs.;  
     By 2nd set, 40.02 chs.; the mean of which is  
 40.00 N. 2 lks. from the secant,  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., marked on brass cap

S C  
 $\frac{1}{4}$ S 36

1915

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 An ironwood, 12 ins. diam., brs. N.81° E., 289 lks. dist., marked  $\frac{1}{4}$ S36 BT.

~~At 8 hrs. O. M., S. C., I set off  
 34° 45' N. on the secant, and 12° 58' W. on the secant.  
 and determined a line with the color of the  
 secant, 3 lks. S. of the standard cor. of sec.  
 36.~~

50.00 Asc. 35 ft. to  
 56.45 Top of knoll, 10 chs. long, brs. N. and S. Desc. 75 ft.  
 68.64 Road, brs. N. to Swansea and S. to Bouse.  
 73.95 Foot of descent. Telephone line, brs. N.40° 30' E. to Swansea and S.40° 30' W. to Bouse. Thence over level land,  
 74.45 Arizona and Swansea R. R. brs. N.40° 35' E. to Swansea and S.40° 35' W. to Bouse. Cross railroad on culvert No. 13 B.  
 77.15 Road, brs. NW. and SE. to Wenden.  
 Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point  
     By 1st set, 79.99 chs.;  
     By 2nd set, 80.01 chs.; the mean of which is  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for standard cor. of secs. 35 and 36, marked on brass cap

S C  
T9N R16W  
S35 | S36

1915

from which  
 A palo verde, 8 ins. diam., brs. N.49° E., 156 lks. dist. marked T9N R16W S36 BT.  
 A palo verde, 10 ins. diam., brs. N.44° W., 111 lks. dist., marked T9N R16W S35 BT.  
 Land, level; drains SW.  
 Soil, sandy and gravelly; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ironwood, ocotillo, cat claw, sagebrush and cactus.

N.89° 59' W., on the secant, through sec. 35.  
 Over level land, through scattering undergrowth.  
 1.70 Wash, 20 lks. wide, 1 ft. deep, course SW.  
 8.90 Wash, 50 lks. wide, 1 ft. deep, course SW.  
 Difference between measurements of 40.00 chs. by two sets

10

## Second Standard Parallel North, Through Range 16 West.

Chains.

of chainmen is 2 lks.; position of middle point  
 By 1st set, 39.99 chs.  
 By 2nd set, 40.01 chs.; the mean of which is  
 40.00 S. 1 lk. from the secant,  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for standard  $\frac{1}{4}$  sec. cor., marked on brass cap

S C  
 $\frac{1}{4}$ S 35

---

 1915

dig pits, 18 X 18 X 12 ins., E. and W. of post, 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 difference between measurements of 80.00 chs. by two  
 sets of chainmen.  
 80.00 S. 2 lks. from the secant,  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for standard cor. of secs. 34 and 35, marked on  
 brass cap

S C  
 T9N R16W  
 S34 | S35

---

 1915

dig pits, 24 X 18 X 12 ins., crosswise on each line,  
 E. and W., 3 ft., and N. of stone, 7 ft. dist.; and  
 raise a mound of earth, 4 ft. base, 2 ft. high, N. of  
 cor.  
 Land, level; drains SW.  
 Soil, sandy; 2nd rate.  
 No timber.  
 Undergrowth, greasewood, ironwood, palo verde, ocotillo,  
 sagebrush and cactus.

N.  $89^{\circ} 59'$  W., on the secant, through sec. 34 .  
 Over level land, through scattering undergrowth.  
 Difference between measurements of 40.00 chs. by two sets  
 of chainmen is 1 lk.; position of middle point  
 By 1st set,  $39.99\frac{1}{2}$  chs.;  
 By 2nd set,  $40.00\frac{1}{2}$  chs.; the mean of which is  
 40.00 S. 3 lks. from the secant,  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for standard  $\frac{1}{4}$  sec. cor., marked on brass cap

S C  
 $\frac{1}{4}$ S 34

---

 1915

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.  
 dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.  
 high, N. of cor.  
 Difference between measurements of 80.00 chs. by two sets  
 of chainmen is 1 lk.; position of middle point  
 By 1st set,  $79.99\frac{1}{2}$  chs.;  
 By 2nd set,  $80.00\frac{1}{2}$  chs.; the mean of which is  
 80.00 S. 3 lks. from the secant,  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for standard cor. of secs. 33 and 34, marked on  
 brass cap

S C  
 T9N R16W  
 S33 | S34

---

 1915

Second Standard Parallel North, Through Range 16 West.

Chains.

dig pits, 24 X 18 X 12 ins., crosswise on each line, E. and W. of post, 3 ft.; and N. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.  
 Land, level; drains SW.  
 Soil, sandy; 2nd rate.  
 No timber.  
 Undergrowth, greasewood, ocotillo, sagebrush and cacti.

25.00

West on the secant, through sec. 33.  
 Over level land, through scattering undergrowth.  
 Wash, 10 lks. wide, 1 ft. deep, course SW.  
 Difference between measurements of 40.00 chs. by two sets of chainmen is 1 lk.; position of middle point  
 By 1st set, 40.00 $\frac{1}{2}$  chs.;  
 By 2nd set, 39.99 $\frac{1}{2}$  chs.; the mean of which is

40.00

S. 3 lks. from the secant,  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., marked on brass cap

S C  
 $\frac{1}{4}$ S 33

---

1915

80.00

dig pits, 18 X 18 X 12 ins., E. and W. of post, 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 difference between measurements of 80.00 chs. by two sets of chainmen.

S. 2 lks. from the secant,  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for standard cor. of secs. 32 and 33, marked on brass cap

S C  
 T9N | R16W  
 S32 | S33

---

1915

dig pits, 24 X 18 X 12 ins., crosswise on line, E. and W. 3 ft., and N. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.  
 Land level, drains SW.  
 Soil, sandy; 2nd rate.  
 No timber.  
 Undergrowth, greasewood, ocotillo and cacti.

40.00

S. 89° 59' W., on the secant, through sec. 32.  
 Over level land, through scattering undergrowth.  
 No difference between measurements of 40.00 chs. by two sets of chainmen.  
 S. 1 lk. from the secant,  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., marked on brass cap

S C  
 $\frac{1}{4}$ S 32

---

1915

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.

Second Standard Parallel North Through Range 16 West.

Chains.

dist.; and raise a mound of earth, 3 1/2 ft. base 1 1/2 ft. high, N. of cor.

Oct. 15, 1915. At this cor., I saw last year's cor. and the location; but as the ground has been disturbed and the location of the secant line is 34 1/2 ft. N. of the

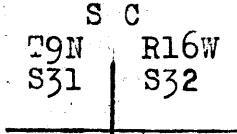
Difference between measurements of 80.00 chs. by two sets of chainmen is 1 lk.; position of middle point

By 1st set, 79.99 1/2 chs.

By 2nd set, 80.00 1/2 chs.; the mean of which is

80.00

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for standard cor. of secs. 31 and 32, marked on brass cap



1915

dig pits, 24 X 18 X 12 ins., crosswise on each line, E. and W., 3 ft. dist.; and N. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Land, level; drains SW.

Soil, sandy; 2nd rate.

No timber.

Undergrowth, greasewood, ironwood, sagebrush and cacti. Some bunch grass.

S. 89° 59' W., on the secant, S. of sec. 31.

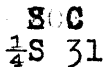
Over level land, through scattering undergrowth.

No difference between measurements of 40.00 chs. by two sets of chainmen.

40.00

N. 2 lks. from the secant

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for standard 1/4 sec. cor., marked on brass cap



1915

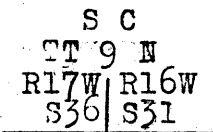
dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

No difference between measurements of 80.00 chs. by two sets of chainmen.

80.00

N. 3 lks. from the secant,

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for standard cor. of Tps. 9 N., Rs. 16 and 17 W., marked on brass cap



1915

dig pits, 24 X 30 X 12 ins., crosswise on each line, E. and W., 4 ft., and N. of post, 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2 1/2 ft. high, N. of cor.

Land, level.

Soil, sandy; 2nd rate.

No timber.

Undergrowth, greasewood, yucca, ocotillo and cacti.

## GENERAL DESCRIPTION.

Through Range 15 West, this standard line runs over the southern portion of the Buckskin Mountains. These mountains are mostly low, and are much cut by washes. General drainage is to the SW. The formation is mostly decomposed granite. The western part of the standard runs out on low rolling ground. The land to the north is rough, but to the south, the surface changes from broken hills to rolling hills. The soil is rocky and gravelly, mixed with fine sandy clay and loam.

Some prospecting has been done to the north of the standard, but no evidence of any mineral has been found. There is no water in the township north or south of this line.

Through range 16 West, the townships north and south of the standard are rolling and level. Soil is very sandy. The drainage is to the SW. The Arizona and Swansea R. R. crosses the parallel near the standard cor. of secs. 35 and 36, in a northeasterly and southwesterly direction.

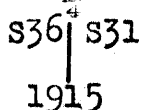
An old well in sec. 35, T. 9 N., R. 16 W., about 150 ft. deep, has caved in. There is no other water in the township.

The vegetation through both ranges consists of ocotillo, palo verde, greasewood, ironwood, sagebrush and cactus.

Fourth Guide Meridian West, through Township 9 North. 15

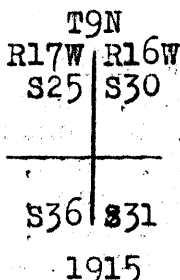
Chains.

From the standard cor. of Ts. 9 N., Rs. 16 and 17 W., which is an iron post hereinbefore described,  
North, between secs. 31 and 36.  
Over level land, through scattering undergrowth.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 1 link; position of middle point,  
By 1st set, 40.00 $\frac{1}{2}$  chs.  
By 2nd set, 39.99 $\frac{1}{2}$  chs., the mean of which is  
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,



dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

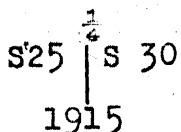
Difference between measurements of 80.00 chs. by two sets of chainmen is 1 link; position of middle point  
By 1st set, 80.00 $\frac{1}{2}$  chs.  
By 2nd set, 79.99 $\frac{1}{2}$  chs., the mean of which is  
80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap,



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 corner.

Land, level, drains SW.  
Soil, sandy, 2nd rate.  
No timber.  
Undergrowth, greasewood, ocotillo and cacti.

North, between secs. 25 and 30.  
Over level land, through scattering undergrowth.  
23.00 Wash, 15 lks. wide, 2 ft. deep, course W.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks., position of middle point,  
By 1st set, 39.99 chs.,  
By 2nd set, 40.01 chs., the mean of which is  
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,



from which,

A palo verde, 6 ins. in diam., brs. S. 17 $\frac{3}{4}$ ° E., 180 lks. dist., marked  $\frac{1}{4}$  S 30 B T.

No other trees within limits. Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, W. of cor.

71.80 Wash, 20 lks. wide, 2 ft. deep, course W.  
79.60 Wash, 10 lks. wide, 1 ft. deep, course SW.

Undergrowth, greasewood, ocotillo and cacti.



16. Fourth Guide Meridian West, through Township 9 North.

Chains.

80.00 Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point,  
 By 1st set, 80.01 chs.,  
 By 2nd set, 79.99 chs., the mean of which is  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 19, 24, 25 and 30, marked on brass cap,

|       |      |
|-------|------|
| T9N   |      |
| R17W  | R16W |
| S24   | S19  |
| ----- |      |
| S25   | S30  |
| 1915  |      |

and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.  
 Land, level and gently rolling; drains SW.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and sage brush.

8.10 North, bet. secs. 19 and 24.  
 21.90 Over gently rolling land, through scattering undergrowth.  
 28.50 Road, brs. NW. and SE. to Wenden.  
 35.00 Wash, 30 lks. wide, 2 ft. deep, course SW.  
 Wash, 50 lks. wide, 2 ft. deep, course W.  
 Wash, 50 lks. wide, 5 ft. deep, course W.  
 Difference between measurements of 40.00 chs. by two sets of chainmen is 1 link; position of middle point,  
 By 1st set, 39.99½ chs.  
 By 2nd set, 40.00½ chs., the mean of which is  
 40.00 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    |     |
| S24  | S19 |
|      |     |
| 1915 |     |

42.20 and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
 55.00 Wash, course W.  
 62.60 Wash, 20 lks. wide, 1 ft. deep, course SW.  
 75.60 Road brs. NE. and SW.  
 80.00 Center of wash, 1 ch. wide, course SW.  
 Point for sec. cor. falls in wash, 25 lks. wide, 3 ft. deep, course SE.  
 No difference between measurements of 80.50 chs. by two sets of chainmen.  
 80.50 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for witness cor. to cor. of secs. 13, 18, 19 and 24, marked on brass cap,

|       |      |
|-------|------|
| T9N   |      |
| R17W  | R16W |
| S13   | S18  |
| ----- |      |
| S24   | S19  |
| W     | C    |
| 1915  |      |

Fourth Guide Meridian West Through Township 9 North.

| Chains. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | <p>from which</p> <p>A palo verde, 8 ins. diam., brs. S.31<sup>30</sup> E., 110 lks. dist., marked WC T9N R16W S19 BT.</p> <p>A palo verde, 6 ins. diam., brs. N.46° W., 114 lks. dist., marked WC T9N R17W S13 BT.</p> <p>No other trees available. Raise a mound of stone, 3 ft. base, 2<math>\frac{1}{2}</math> ft. high, W. of cor.</p> <p>Land, gently rolling; drains SW.</p> <p>Soil, sandy and gravelly; 3rd rate.</p> <p>No timber.</p> <p>Undergrowth, greasewood, palo verde, iron wood, ocotillo and cacti.</p> |
|         | <p>From true point for cor. of secs. 13, 18, 19 and 24, North, bet. secs. 13 and 18.</p> <p>Over gently rolling land, through scattering undergrowth.</p>                                                                                                                                                                                                                                                                                                                                                                   |
| 0.50    | Witness cor. to cor. of secs. 13, 18, 19 and 24, through undergrowth.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10.00   | Wash, 20 lks. wide, 5 ft. deep, course SW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 14.20   | Road, brs. E. to Swansea and Planet and W. to Parker.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|         | Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point                                                                                                                                                                                                                                                                                                                                                                                                                   |
|         | By 1st set, 39.99 chs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|         | By 2nd set, 40.01 chs.; the mean of which is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 40.00   | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap                                                                                                                                                                                                                                                                                                                                                                                                          |
|         | $\begin{array}{c} \frac{1}{4} \\   \\ S13 \quad   \quad S18 \\   \\ 1915 \end{array}$                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|         | and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 55.00   | Wash, 20 lks. wide, 2 ft. deep, course SE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 80.00   | No difference between measurements of 80.00 chs. by two sets of chainmen.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 80.00   | Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap                                                                                                                                                                                                                                                                                                                                                                                                  |
|         | $\begin{array}{c} T9N \\ R17W \quad   \quad R16W \\ S12 \quad   \quad S7 \\ \hline S13 \quad   \quad S18 \\   \\ 1915 \end{array}$                                                                                                                                                                                                                                                                                                                                                                                          |
|         | and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|         | Land, gently rolling; drains SW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|         | Soil, sandy; and gravelly; 3rd rate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|         | No timber.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|         | Undergrowth, greasewood, palo verde, ocotillo and cacti.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|         | North bet. secs. 7 and 12.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|         | Asc. gradually, over rolling land, through scattering undergrowth.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 35.00   | Old road, brs. NE. to Swansea and Planet and SW. to Parker. No difference between measurements of 40.00 chs. by two sets of chainmen.                                                                                                                                                                                                                                                                                                                                                                                       |
| 40.00   | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap                                                                                                                                                                                                                                                                                                                                                                                                          |
|         | $\begin{array}{c} \frac{1}{4} \\   \\ S12 \quad   \quad S7 \\   \\ 1915 \end{array}$                                                                                                                                                                                                                                                                                                                                                                                                                                        |

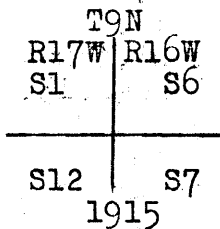
Fourth Guide Meridian West Through Township 9 North

Chains.

and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

~~Sec. 30, 1915: At 9 hrs. 9 m., a.m., 1. a.m., I set off 24° 31' E. on the lat. line; 13° 16' S. on the decl. line; and determine a meridian line. The solar at the sec. c.v. bet. secs. 7 and 12.~~

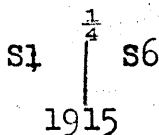
- 49.60 Old road, brs. NW. to Old mine and SE. to Swansea and Planet.
- 58.00 Wash, course SW.
- 60.00 Foot of spur, brs. NW. and SE. Asc. 195 ft. to No difference between measurements of 80.00 chs. by two sets of chainmen.
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.  
 Land, gently rolling and mountainous; drains SW.  
 Soil, sandy and gravelly; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and sagebrush.

North bet. secs. 1 and 6.  
 Over mountainous land, through scattering undergrowth.  
 Asc. 115 ft. to

- 5.69 Spur, slopes W. Desc. 140 ft. to
- 15.22 Gulch, 1 ch. wide, 5 ft. deep, course SE. Asc. 760 ft. Difference between measurements of 40 00 chs. by two sets of chainmen is 4 lks.; position of middle point  
 By 1st set, 40.02 chs.  
 By 2nd set, 39.98 chs.; the mean of which is
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, 2 ft. base, 10 ins. high, for ¼ sec. cor., marked on brass cap



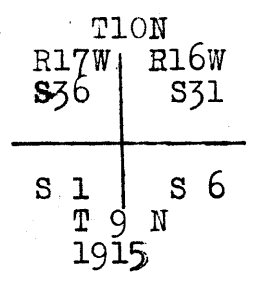
and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Sec. 30, 1915: At this cor., I set off 13° 16' S. on the decl. line; and at same point noon, I observe the sun on the meridian; the resulting lat. is 34° 9' N.

- 65.28 Ridge, brs. E. and W. From this point, Squaw Peak brs. E. 1 ch. dist. Desc. 265 ft. to Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks.; position of middle point  
 By 1st set, 79.95 chs.  
 By 2nd set, 80.05 chs.; the mean of which is
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, 10 ins. high, for cor. of Tps. 9 and 10 N., Rs. 16 and 17 W., marked on brass cap

Fourth Guide Meridian West Through Township 9 North.

Chains.



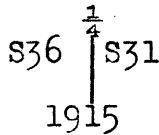
and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 S. of cor.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

Fourth Guide Meridian West Through Township 10 North.

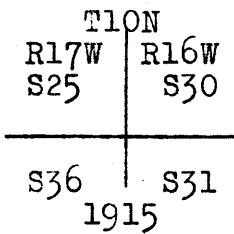
Chains.

~~Oct. 30, 1915: At 9 hrs. 58 m. a.m., l.s.t., I set off  
34° 10' N. on the 1st. arc; 13° 34' 1" on the 2nd.  
arc; and determine a meridian with the solar at the  
From cor. of Tss. 9 and 10 S., Rs. 16 and 17 W. hereinbefore  
is described,~~

- North, bet. secs. 31 and 36.
- Over mountainous land, through scattering undergrowth.
- Desc. 215 ft. to
- 9.42 Gulch, 50 lks. wide, 5 ft. deep, course E. Asc. 30 ft. to
- 13.10 Desc. to
- 15.69 Gulch, 1 ch. wide, 10 ft. deep, course SE. Asc. 80 ft.,  
along E. slope
- 26.08 Ridge, brs. E. and W. Desc. N. slope, 145 ft. to
- 30.67 Gulch, 1 ch. wide, 5 ft. deep, course E. Asc. 235 ft.
- Difference between measurements of 40.00 chs. by two sets  
of chainmen is 7 lks.; position of middle point  
By 1st set, 39.96½ chs.  
By 2nd set, 40.03½ chs.; the mean of which is
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the  
ground, in a mound of stone, 3 ft. base, 2 ft. high,  
for ¼ sec. cor., marked on brass cap



- and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.
- 50.18 Spur, slopes E. Desc. 380 ft. to
- 70.42 Gulch, 2 chs. wide, 5 ft. deep, course E. Asc. 525 ft to
- Difference between measurements of 80.00 chs. by two sets  
of chainmen is 12 lks.; position of middle point  
By 1st set, 79.94 chs.  
By 2nd set, 80.06 chs.; the mean of which is
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the  
ground, in a mound of stone, 3 ft. base, 1½ ft. high,  
for cor. of secs. 25, 30, 31 and 36, marked on brass  
cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, mountainous; drains E.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo, sagebrush  
and cacti.

~~Oct. 30, 1915: At this cor. I set off 13° 34' 1" S. on the  
1st. arc; 34° 10' N. on the 2nd. arc; and determine the meridian  
the meridian; the meridian set. is 34° 10' N.~~

- North bet. secs. 25 and 30.
- Over mountainous land, through scattering undergrowth.
- Along E. slope, through scattering undergrowth.
- 0.50 Wash, 50 lks. wide, 5 ft. deep, course NE.
- 12.22 Center of wash, 1 ch. wide, 10 ft. deep, course E. Asc.  
140 ft. to
- 24.55 Spur, slopes E. Desc. 200 ft. to
- 36.06 Wash, 50 lks. wide, 10 ft. deep, course NE. Thence over  
rolling land.
- Difference between measurements of 40.00 chs. by two sets

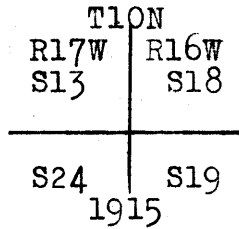
Fourth Guide Meridian West, Through Township 10 North.

|                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Chains.</p> <p>40.00</p>                                                               | <p>of chainmen is 2 lks.; position of middle point<br/>         By 1st set, 40.01 chs.<br/>         By 2nd set, 39.99 chs.; the mean of which is</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, in a mound of stone, 3 ft. base, 15 ins. high, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <div style="text-align: center;"> <math display="block">\begin{array}{c} \frac{1}{4} \\ \uparrow \\ S25 \mid S30 \\ \downarrow \\ 1915 \end{array}</math> </div> <p>and raise a mound of stone, 3 ft. base, 2<math>\frac{1}{2}</math> ft. high, W. of cor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>43.90</p> <p>56.98</p> <p>80.00</p>                                                    | <p><del>Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked on brass cap</del></p> <p>Same wash, 50 lks. wide, 10 ft. deep, course NW.</p> <p>Same wash, 1 ch. wide, 10 ft. deep, course NE.</p> <p>Difference between measurements of 80.00 chs. by two sets of chainmen is 1 lk.; position of middle point<br/>         By 1st set, 79.99<math>\frac{1}{2}</math> chs.<br/>         By 2nd set, 80.00<math>\frac{1}{2}</math> chs.; the mean of which is</p> <p>Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked on brass cap</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                           | <div style="text-align: center;"> <math display="block">\begin{array}{c} T10N \\ R17W \mid R16W \\ S24 \mid S19 \\ \hline S25 \mid S30 \\ 1915 \end{array}</math> </div> <p>and raise a mound of stone, 3 ft. base, 2<math>\frac{1}{2}</math> ft. high, W. of cor.</p> <p>Land, rolling and mountainous.<br/>         Soil, rocky; 4th rate.<br/>         No timber.<br/>         Undergrowth, greasewood, palo verde, ocotillo and cacti.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p>4.94</p> <p>11.00</p> <p>25.70</p> <p>40.00</p> <p>43.30</p> <p>49.50</p> <p>55.90</p> | <p>North bet. secs. 19 and 24.<br/>         Over rolling land, through scattering undergrowth.</p> <p>Wash, 20 lks. wide, 3 ft. deep, course NE. Asc. 30 ft. to Desc. 75 ft. to</p> <p>Thence over gently rolling land,<br/>         Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point<br/>         By 1st set, 39.99 chs.;<br/>         By 2nd set, 40.01 chs.; the mean of which is</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <div style="text-align: center;"> <math display="block">\begin{array}{c} \frac{1}{4} \\ \uparrow \\ S24 \mid S19 \\ \downarrow \\ 1915 \end{array}</math> </div> <p>and raise a mound of stone, 3 ft. base, 2<math>\frac{1}{2}</math> ft. high, W. of cor.</p> <p>Center of Mineral Wash, 2 chs. wide, 5 ft. deep, course NW.</p> <p>Road, brs. NW. to Bill Williams River, and SE.</p> <p>Center of wash, 2 chs. wide, 5 ft. deep, course NW.</p> <p>Difference between measurements of 80.00 chs. by two sets of chainmen is 5 lks.; position of middle point<br/>         By 1st set, 80.02<math>\frac{1}{2}</math> chs.</p> |

Fourth Guide Meridian West. Through Township 10 North.

Chains.

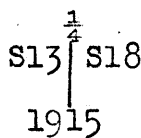
80.00 By 2nd set, 79.97½ chs.; the mean of which is  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 13, 18, 19 and 24, marked on  
brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, rolling; drains. N.  
Soil, sand and rocks; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ironwood, ocotillo and  
cacti.

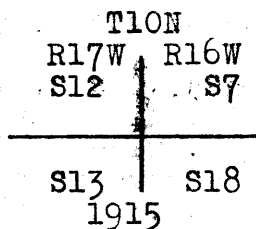
North, bet. secs. 13 and 18.  
Over rolling and mountainous land, through scattering under-  
growth.

8.67 Desc. 25 ft. to  
Wash, 50 lks. wide, 5 ft. deep, course NW. Thence along  
W. slope  
12.90 Wash, 50 lks. wide, 5 ft. deep, course SW. Asc. S. slope,  
90 ft. to  
17.71 Ridge, brs. E. and W. Desc. 40 ft. to  
29.31 Center of wash, 1 ch. wide, 2 ft. deep, course NW. Asc.  
130 ft. to  
37.77 Ridge, brs. E. and W. Desc. 175 ft.  
Difference between measurements of 40.00 chs. by two sets  
of chainmen is 8 lks.; position of middle point  
By 1st set, 39.96 chs.  
By 2nd set, 40.04 chs.; the mean of which is  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.

~~By 2nd set, 39.96 chs.; the mean of which is 39.96 chs. At this cor., I set off 175 3/4 ft. on the  
decl. and at a certain angle to serve the sun at  
the position; the resulting lat. is 34° 12' 11".~~  
44.87 Center of wash, 1 ch. wide, 5 ft. deep, course W. Asc.  
80 ft. to  
50.65 Ridge, brs. E. and W. Desc. 75 ft. to  
65.58 Wash, 20 lks. wide, 5 ft. deep, course NW. Asc. 20 ft. to  
68.75 Desc. 50 ft. to  
71.77 Center of wash, 1 ch. wide, 20 ft. deep, course W. Asc.  
to  
No difference between measurements of 80.00 chs. by two  
sets of chainmen.  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 7, 12, 13 and 18, marked on  
brass cap

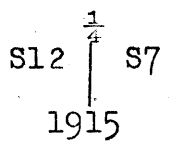


Fourth Guide Meridian West Through Township 10 North.

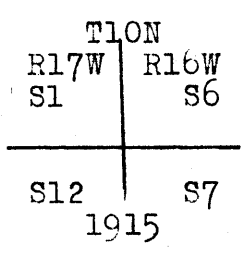
Chains.

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, rolling and mountainous; drains.NW.  
 Soil, rocky; 4th rate; malpais formation.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

North bet. secs. 7 and 12.  
 Over mountainous land, through scattering undergrowth.  
 Asc. 495 ft. to  
 22.97 Ridge, brs. E. and W. Desc. 425 ft.  
 Difference between measurements of 40.00 chs. by two sets  
 of chainmen is 3 lks.; position of middle point  
 By 1st set, 39.98½ chs.  
 By 2nd set, 40.01½ chs.; the mean of which is  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the  
 ground, in a mound of stone, 3 ft. base, 20 ins. high,  
 for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 49.97 Wash, 20 lks. wide, 5 ft. deep, course W. Asc. 15 ft. to  
 50.75 Desc. 80 ft. to  
 58.00 Wash, 50 lks. wide, 5 ft. deep, course NW. Asc. 55 ft. to  
 60.80 Desc. to  
 62.79 Wash, 30 lks. wide, 10 ft. deep, course NE. Thence over  
 rolling land.  
 66.89 Center of wash, 1 ch. wide, 10 ft. deep, course NE.  
 72.00 Desc. 45 ft. to  
 76.75 Asc. 25 ft. to  
 Difference between measurements of 80.00 chs. by two sets  
 of chainmen is 3 lks.; position of middle point  
 By 1st set, 79.98½ chs.  
 By 2nd set, 80.01½ chs.; the mean of which is  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 5 ins. in the  
 ground, in a mound of stone, 3 ft. base, 2 ft. high,  
 for cor. of secs. 1, 6, 7 and 12, marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, rolling and mountainous.  
 Soil, rocky and sandy; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

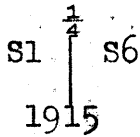
~~and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, rolling and mountainous.  
 Soil, rocky and sandy; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.~~

North bet. secs. 1 and 6.  
 Over mountainous land, through scattering undergrowth.  
 Desc. 45 ft. to

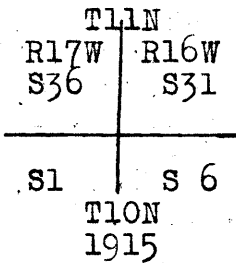


Fourth Guide Meridian West Through Township 10 North.

- Chains.  
 2.64 Wash. 20 lks. wide, 2 ft. deep, course NE. Asc. 30 ft. to  
 7.42 Spur, slopes E. Desc. 140 ft. to  
 22.02 Center of wash, 1 ch. wide, 10 ft. deep, course NE. Asc.  
 185 ft. to  
 26.30 Desc. 50 ft. to  
 32.23 Wash, 30 lks. wide, 5 ft. deep, course E. Asc. 20 ft. to  
 33.70 Desc. 25 ft. to  
 Difference between measurements of 40.00 chs. by two sets  
 of chainmen is 3 lks.; position of middle point  
 By 1st set, 40.01½ chs.  
 By 2nd set, 39.98½ chs.; the mean of which is  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the  
 ground, in a mound of stone, 3 ft. base, 20 ins. high,  
 for ¼ sec. cor., marked on brass cap



- and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Asc. 150 ft. to  
 49.00 Desc. 80 ft. to  
 55.68 Center of wash, 1 ch. wide, 5 ft. deep, course E. Asc.  
 290 ft.  
 63.06 Road, brs. E. and W.  
 69.15 Ridge, brs. E. and W. From this point, monument marked  
 U. S. L. M. No. 2675 brs. S. 80° 15' E., 0.74 chs. dist.  
 From this monument, a rock in place, marked B. R. U. S.  
 L. M. 2675 brs. S. 25 lks. dist.  
 Desc. 255 ft. to  
 80.00 No difference between measurements of 80.00 chs. by two sets  
 of chainmen.  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of Tps. 10 and 11 N., Rs. 16 and 17 W.,  
 marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 S. of cor.  
 Land, 2 mountainous; drains N.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

Fourth Guide Meridian West Through Township 11 North.

Chains.

From corner of Ts. 10 and 11 N., Rs. 16 and 17 W., hereinbefore  
fore described,

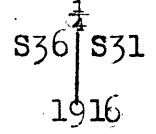
Thence  
North bet. secs. 31 and 36.  
Over mountainous land, through scattering undergrowth.

22.43  
30.34

Desc. 315 ft. to  
Gulch, course NE. Asc. 70 ft. to  
Spur, slopes NE. Desc. 145 ft. to  
Difference between measurements of 40.00 chs. by two sets  
of chainmen is 3 lks.; position of middle point  
By 1st set, 39.98 $\frac{1}{2}$  chs.  
By 2nd set, 40.01 $\frac{1}{2}$  chs.; the mean of which is

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
W. of cor.

44.80  
45.85  
52.61

Asc. 25 ft. to  
Desc. 95 ft. to  
Left Bank of Bill Williams River, 15 ft. above water. Thence  
across Bill Williams River, course W.

65.18

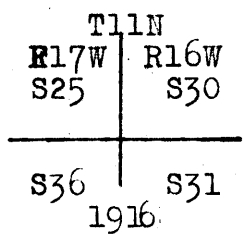
Right Bank of Bill Williams River. Enter dense timber and  
undergrowth, brs. E. and W. Over bottom land.

75.18

Rail fence, brs. E. and W.  
No difference between measurements of 80.00 chs. by two sets  
of chainmen.

80.00

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 25, 30, 31 and 36, marked on  
brass cap



dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$  ft. dist.  
and raise a mound of earth, 4 ft. base, 2 ft. high, W.  
of cor.

Land, level and mountainous.  
Soil, rocky; 4th rate; and river bottom land, 1st rate.  
Timber, cottonwood along beside River.  
Undergrowth, greasewood, palo verde, ocotillo, cacti and  
arrow-weed.

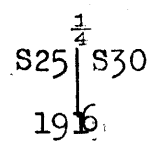
North bet. secs. 25 and 30.  
Over level land, through dense undergrowth.

1.80  
2.50  
12.90  
22.89  
30.05

Rail fence, brs. N.60° E. and S.60° W.  
Road, brs. E. and SW.  
Leave river bottom, enter gravelly hills.  
Enter wash, course SW. Comes from N.  
Leave wash, 1 ch. wide, course S. Comes from NE. Asc. 75  
ft. to

40.00

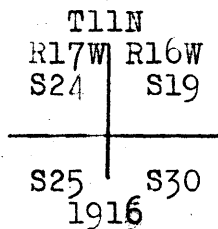
No difference between measurements of 40.00 chs. by two  
sets of chainmen.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



## Fourth Guide Meridian West Through Township 11 North.

Chains.

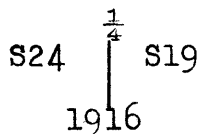
- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.  
Desc. 50 ft. to  
58.40 Asc. 40 ft. to  
66.30 Spur, slopes SW. Desc. 80 ft. to  
No difference between measurements of 80.00 chs. by two  
sets of chainmen.  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 19, 24, 25 and 30, marked on  
brass cap



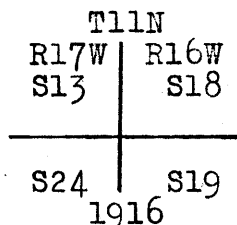
- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.  
Land, level and rolling.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, iron wood and sage-  
brush.

*[Faint, illegible text, possibly a survey note or correction.]*

- North bet. secs. 19 and 24.  
Over gently rolling land, through scattering undergrowth.  
Desc. to  
1.00 Enter E. edge of Mohave Wash, course S. Asc. in wash.  
Difference between measurements of 40.00 chs. by two sets  
of chainmen is 2 lks.; position of middle point  
By 1st set, 39.99 chs.  
By 2nd set, 40.01 chs.; the mean of which is  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the  
ground, in a mound of stone, 2 ft. base, 1 ft. high,  
for  $\frac{1}{4}$  sec. cor., marked on brass cap



- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.  
Continue asc. along E. side of wash.  
61.54 Leave edge of wash, Asc. 55 ft. to  
67.45 Desc. slightly to  
Difference between measurements of 80.00 chs. by two sets  
of chainmen is 2 lks.; position of middle point  
By 1st set, 80.01 chs.  
By 2nd set, 79.99 chs.; the mean of which is  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 13, 18, 19 and 24, marked on  
brass cap



- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.

Fourth Guide Meridian West Through Township 11 North.

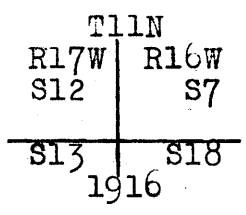
Chains.

Land, rolling and gently rolling; drains SW.  
Soil, gravelly; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ironwood, sagebrush and cacti.

2.40 North between secs. 13 and 18.  
Over rolling land, through scattering undergrowth.  
Desc. 25 ft. to  
Wash, course S.10° W. Asc. in wash.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point.  
By 1st set, 39.98 chs.  
By 2nd set, 40.02 chs.; the mean of which is  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



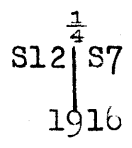
45.00 and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor;  
Leave wash, course S. Comes from NE.  
No difference between measurements of 80.00 chs. by two sets of chainmen.  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap



and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.  
Land, rolling; drains S and SW.  
Soil, gravelly; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ironwood and cacti.

~~Sub. 13, 18, 12, 7: 1/4 sec. cor. on the 1st. set; 1/4 sec. cor. on the 2nd. set; and determine a position with the corner at the cor. of secs. 7, 12, 13 and 18.~~

North bet. secs. 7 and 12.  
Over gently rolling land, through scattering undergrowth.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 1 lk;; position of middle point  
By 1st set, 40.00 1/2 chs.  
By 2nd set, 39.99 1/2 chs.; the mean of which is  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

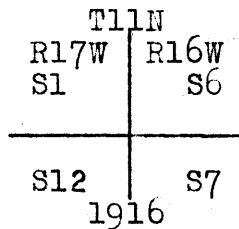


and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.  
Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point

## Fourth Guide Meridian West Through Township 11 North.

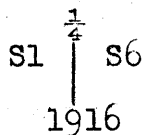
Chains.

80.00 By 1st set, 80.01 chs.  
By 2nd set, 79.99 chs.; the mean of which is  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked on brass cap

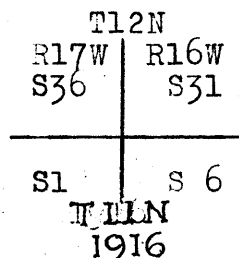


and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.  
Land, rolling; drains S.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ironwood, sagebrush and cacti.

40100 North bet. secs. 1 and 6.  
Over rolling land, through scattering undergrowth.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 3 lks.; position of middle point  
By 1st set, 40.01½ chs.  
By 2nd set, 39.98½ chs.; the mean of which is  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



69.93 and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.  
79.63 Enter wash, bank 5 ft. high, course SW.  
Leave wash, bank 5 ft. high, course SW.  
Difference between measurements of 80.00 chs. by two sets of chainmen is 1 lk.; position of middle point  
By 1st set, 79.99½ chs.  
By 2nd set, 80.00½ chs.; the mean of which is  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of Tps. 11 and 12 N., Rs. 16 and 17 W., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high, S. of cor.  
Land, rolling; drains SW.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo and sagebrush.

Fourth Guide Meridian West Through Township 12 North.

Chains.

From the cor. of Tps. 11 and 12 N., Rs. 16 and 17 W.,  
North bet. secs. 31 and 36.

13.59  
18.87

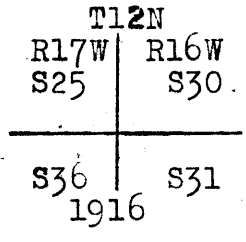
Over rolling land, through scattering undergrowth.  
Enter wash, bank 2 ft. high, course SW.  
Leave wash, bank 5 ft. high, course SW.  
Difference between measurements of 40.00 chs. by two sets  
of chainmen is 2 lks.; position of middle point  
By 1st set, 39.99 chs.  
By 2nd set, 40.01 chs.; the mean of which is  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
W. of cor.

80.00

No difference between measurements of 80.00 chs. by two  
sets of chainmen.  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 25, 30, 31 and 36, marked on  
brass cap



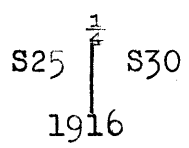
and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
W. of cor.

Land, rolling; drains SW.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde and sagebrush.  
~~At this cor., I set off 14' 1/4" S. on the  
deck; and I observe the sun on  
the meridian; the true bearing is 37° 21' N.~~

North bet. secs. 25 and 30.  
Over broken land, through scattering undergrowth.  
No difference between measurements of 40.00 chs. by two sets  
of chainmen.

40.00

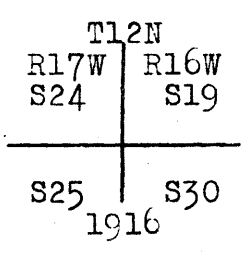
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
W. of cor.

80.00

No difference between measurements of 80.00 chs. by two  
sets of chainmen.  
Set an iron post, 3 ft. long, 3 ins. diam., 15 ins. in the  
ground, in a mound of stone, 2 ft. base, 1 ft. high,  
for cor. of secs. 19, 24, 25 and 30, marked on brass  
cap

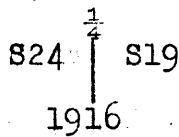


Fourth Guide Meridian West Through Township 12 North.

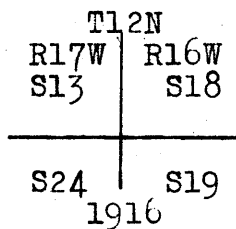
Chains.

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.  
Land, broken; drains SW.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde and sagebrush.

40.00 North bet. secs. 19 and 24.  
Over broken land, through scattering undergrowth.  
Difference between measurements of 40.00 chs. by two sets  
of chainmen is 3 lks.; position of middle point  
By 1st set, 40.01 $\frac{1}{2}$  chs.  
By 2nd set, 39.98 $\frac{1}{2}$  chs.; the mean of which is  
Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



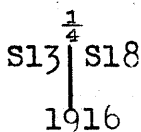
- 80.00 and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.  
No difference between measurements of 80.00 chs. by two  
sets of chainmen.  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 13, 18, 19 and 24, marked on  
brass cap



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.  
Land, broken; drains SW.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo and sage-  
brush.

~~Mar. 7, 1881; 1886 by ... l.s.c. I set off 34° 22'  
... on the east. sec; and  
... with the center of the cor. of secs.  
13, 18, 19 and 24.~~

40.00 Thence  
North bet. secs. 13 and 18.  
Over rolling land, through scattering undergrowth.  
Difference between measurements of 40.00 chs. by two sets  
of chainmen is 2 lks.; position of middle point  
By 1st set, 40.01 chs.  
By 2nd set, 39.99 chs.; the mean of which is  
Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

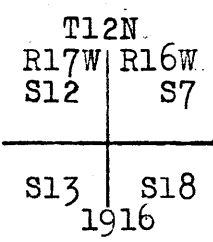


and raise a mound of stone, 3 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Fourth Guide Meridian West Through Township 12 North.

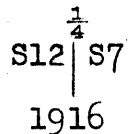
Chains.

80.00 Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point  
 By 1st set, 80.01 chs.  
 By 2nd set, 79.99 chs.; the mean of which is  
 Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 7, 12, 13 and 18, marked on brass cap



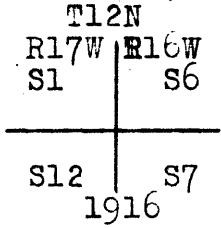
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

40.00 North bet. secs. 7 and 12.  
 Over rolling land, through scattering undergrowth.  
 Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point  
 By 1st set, 39.99 chs.  
 By 2nd set, 40.01 chs.; the mean of which is  
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap



40.50 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Desc. 75 ft. to  
 45.50 Ravine, course SW. Asc. 125 ft. to  
 71.80 Thence over rolling land.

80.00 Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point  
 By 1st set, 80.01 chs.  
 By 2nd set, 79.99 chs.; the mean of which is  
 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 7, and 12 and fracl. secs. 1 and 6, marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, rolling.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

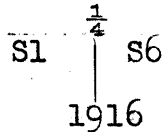
North bet. fracl. secs. 1 and 6.  
 Over rolling and mountainous land, through scattering



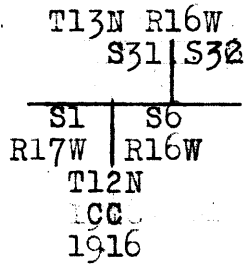
32 Fourth Guide Meridian West Through Township 12 North

Chains.

undergrowth.  
 Asc. 90 ft. to  
 5.00 Desc. 90 ft. to  
 13.28 Gulch, course SW. Asc. 45 ft.  
 Difference between measurements of 40.00 chs. by two sets  
 of chainmen is 6 lks.; position of middle point  
 By 1st set, 40.03 chs.  
 By 2nd set, 39.97 chs.; the mean of which is  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor.  
 45.00 Divide, brs. NE. and SW. Desc. 95 ft. to  
 Difference between measurements of 60.02 chs. by two sets  
 of chainmen is 8 lks.; position of middle point  
 By 1st set, 59.98 chs.  
 By 2nd set, 69.06 chs.; the mean of which is  
 60.02 Intersect the Third Standard Parallel North, 2.93 chs.  
 E. of the standard  $\frac{1}{4}$  sec. cor. of sec. 31, T. 13 N.,  
 R. 16 W., which is an iron post, 1 in. diam., 12 ins.  
 above ground, marked and witnessed as described by the  
 Surveyor-General. (Established under Group 42.)  
 At the point of intersection, set an iron post, 3 ft. long,  
 3 ins. diam., 24 ins. in the ground, for closing cor. of  
 Tps. 12 N., Rs. 16 and 17 W., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 S. of cor.  
 Land, rolling and mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

South boundary of Township 10 North, Range 17 West.

Chains.

From the corner of Ts.9 and 10 N., Rs.16 and 17 W., which is an iron post hereinbefore described, West, on a true line, bet. secs.1 and 36. Over mountainous land, through scattering undergrowth.

- 12.20 Descend 220 ft.to
- 12.20 Ascend 35 ft.to
- 17.15 Descend 100 ft.to
- 22.52 Center of wash, 1 chain wide, 3 ft. deep, course S. Ascend slightly along S. slope, to
- 27.50 Descend 125 ft.to
- 37.52 Center of wash, 1 chain wide, 10 ft. deep, course S. Ascend 25 ft.to
- 39.00 Descend to
- 40.00 Center of wash, 1 chain wide, 10 ft. deep, course S. Inconvenient practicable to set  $\frac{1}{4}$  sec.cor. at this point. Ascend 330 ft.
- 40.40 Set an iron post 3 ft.long, 1 in. in diam., 15 ins. in the ground, for witness cor. to  $\frac{1}{4}$  sec.cor., in a mound of stone, 3 ft. base, 15 ins. high, marked on brass cap,

S36

$\frac{1}{4}$

WC

S 1

1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.

- 54.84 Spur, slopes S. Descend 200 ft.to
- 62.77 Wash, 50 lks.wide, 5 ft. deep, course S. Ascend 180 ft.to
- 72.62 Spur, slopes S. Descend 145 ft.to
- 80.00 Set an iron post, 3 ft.long, 3 ins. in diam., 2 ins. in the ground, in a mound of stone, 3 ft. base, 2 ft.high, for cor.of secs. 1, 2, 35 and 36, marked on brass cap,

|      |      |
|------|------|
| T10N | R17W |
| S35  | S36  |

|     |     |
|-----|-----|
| S 2 | S 1 |
|-----|-----|

T 9 N

1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, W of cor.

Land, mountainous, drains S.

Soil, rocky, 4th rate.

No timber.

Undergrowth, greasewood, palo verde and ocotillo.

West, on a true line, bet. secs.2 and 35. Over mountainous land, through scattering undergrowth.

- 7.21 Descend 155 ft.to
- 9.05 Gulch, 1 chain wide, 2 ft. deep, course S. Ascend 55 ft.to
- 14.50 Descend 115 ft.to
- 25.50 Ascend 290 ft.to
- 36.10 Descend 80 ft.to
- 40.00 Ascend 225 ft.
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

34. South boundary of Township 10 North, Range 17 West.

Chains.

S35

$\frac{1}{4}$

S 2

1915

and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.

44.77

Ridge, brs. N. and S. Descend 900 ft. to

75.86

Center of gulch, 1 chain wide, 5 ft. deep, course NW. Ascend 50 ft. to

80.00

Set an iron post 3 ft. long, 3 ins. in diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 2, 3, 34 and 35, marked on brass cap,

T10N R17W

S34 | S35

S3 | S2

T 9 N

1915

and raise a mound of stone 3 ft. base, 2½ ft. high, W. of cor.

Land, mountainous, drains NW.

Soil, rocky, 4th rate, granite formation.

No timber.

Undergrowth, greasewood, ocotillo, sagebrush and cacti.

West, on a true line, bet. secs. 3 and 34. Over broken land, through scattering undergrowth. Ascend 90 ft. to

6.01

Short spur, slopes NW. Descend 225 ft. to

13.95

Gulch, course NW. Ascend 75 ft. to

19.93

Spur, slopes SE. Thence along S. slope of spur.

33.15

Descend 35 ft. to

34.90

Ascend 60 ft. to

40.00

Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for ¼ sec. cor., marked on brass cap,

S34

$\frac{1}{4}$

S 3

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

42.40

Spur, slopes NW. Descend 230 ft. to

54.60

Ascend 45 ft. to

59.35

Descend 110 ft. to

80.00

Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked on brass cap,

T10N R17W

S33 | S34

S 4 | S 3

T 9 N

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,

South boundary of Township 10 North, Range 17 West.

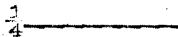
chains

W. of cor.  
Land, broken.  
Soil, rocky and sandy, 4th rate.  
No timber.  
Undergrowth, palo verde, greasewood and cacti.

40.00

West, on a true line, bet. secs. 4 and 33.  
Over broken land, through scattering undergrowth.  
Descend slightly to  
Set an iron post 3 ft. long, 1 in. in diam. in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S33



S 4

1915

and raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high,  
N. of cor.

50.82  
60.00  
70.00  
80.00

Descend 30 ft. to  
Gulch, course S. 70°W. Ascend slightly to  
Descend 35 ft. to  
Gulch, course N. 70°W. Ascend slightly to  
Set an iron post 3 ft. long, 3 ins. diam., 26 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked on brass cap,

T10N R17W  
S32 | S33



S 5 | S 4

T 9 N

1915

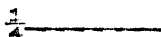
and raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high,  
W. of cor.

Land, broken.  
Soil, sandy and rocky, 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.

11.65  
17.20  
20.00  
40.00

West, on a true line, bet. secs. 5 and 32.  
Over rolling land, through scattering undergrowth.  
Descend gradually.  
Enter road, brs. W. and S. 70°E. to Bouse.  
Leave road brs. S. 80°W. and east to Bouse.  
Enter wash, course W. Comes from NE.  
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,

S32



S 5

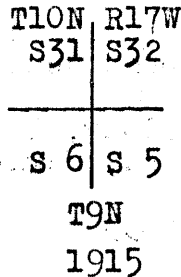
1915

and raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high,  
N. of cor.

36. South boundary of Township 10 North, Range 17 West.

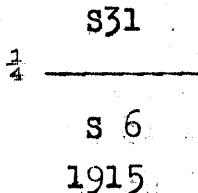
Chains.

- 45.00 Leave wash, course SW. Comes from E.
- 60.00 Wash, course S. 80°W.
- 63.90 Road brs. N. and S. 10°W. to Parker.
- 77.00 Gulch, course S. Ascend 115 ft. to
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam., in a mound of stone, for cor. of secs. 5, 6, 31 and 32, marked on brass cap,

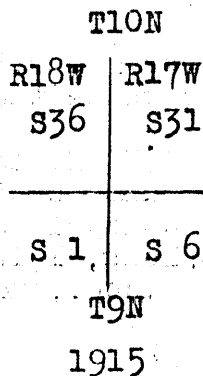


and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, rolling.  
 Soil, sandy and rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and ocotillo.

- 6.61 Spur, slopes N. Descend 135 ft. to
- 23.76 Small gulch, course NW. Ascend 280 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for ¼ sec. cor., marked on brass cap,



- 46.88 Ridge, brs. N. 80°W. and SE. Descend 170 ft. to
- 79.51 Set an iron post, 3 ft. long, 3 ins. in diam., 18 ins. in the ground, in a mound of stone, for cor. of Ts. 9 and 10 N., Rs. 17 and 18 W., marked on brass cap,



and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.  
 Land, mountainous.  
 Soil, rocky and sandy, 4th rate.

South Boundary of T. 10 N., R.17 W.

7.

37

Chains.

No timber.  
Undergrowth, greasewood, palo verde and cacti.

8. West Boundary of T. 10 N., R. 17 W.

Chains.

Nov. 10, 1915. M. J. ...  
54° 51' N. on the ...  
and determine a ...  
Tps. 9 and 10 N., Rs. 17 and 18 W., hereinafter describ-

From the corner of Ts. 9 and 10 N., Rs. 17 and 18 W.,  
hereinafter described,  
North bet. secs. 31 and 36.

Over rolling and mountainous land, through scattering under-  
growth.

Asc. 100 ft. to

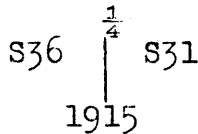
9.15 Spur, slopes E. Desc. 185 ft. to

19.96 Gulch, course E. Asc. 70 ft. to

34.57 Short spur, slopes E. Desc. 40 ft. to

36.86 Gulch, course SE. Asc. 80 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for 1/4 sec. cor., marked on brass cap



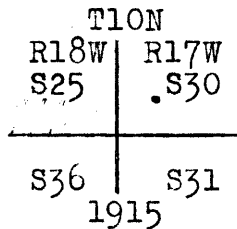
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

43.37 Short spur, slopes SE. Desc. 110 ft. to

49.29 Gulch, course SE. Asc. 75 ft. to

68.76 Spur, brs. NW. and SE. Desc. 70 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
stone, for cor. of secs. 25, 30, 31 and 36, marked on  
brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Land, mountainous and rolling.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

North bet. secs. 25 and 30.

Over rolling and mountainous land, through scattering under-  
growth.

Asc. 80 ft. to

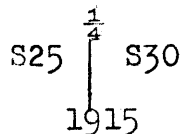
5.35 Spur, slopes SE. Desc. 35 ft. to

17.75 Asc. 65 ft. to

26.03 Spur, slopes S. 30° E. Desc. 95 ft. to

35.05 Asc. 20 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Desc. 65 ft. to

47.50 Gulch, course SE. Comes from N. Asc. 40 ft., along W.  
edge of gulch.

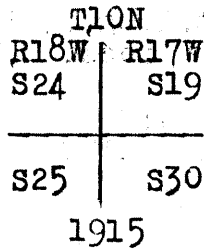
57.00 Desc. 25 ft. to

62.11 Leave gulch, course S. Comes from NW. Asc. gradually to

West boundary of Township 10 North Range 17 West 39

Chains  
80.00

Set an iron post, 3 ft. long, 3 ins. diam., 16 ins. in the ground, in a mound of stone, for cor. of secs. 19, 24, 25 and 30, marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling and mountainous.

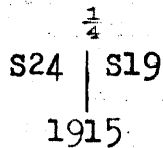
Soil, rocky and sandy, 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

40.00

North, bet. secs. 19 and 24.  
Over rolling land, through scattering undergrowth.  
Ascend gradually to  
Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap,



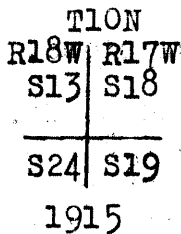
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Ascend 175 ft. to

80.00

Low spur, slopes SE.

Set an iron post, 3 ft. long, 3 ins. in diam., in a mound of stone, for cor. of secs. 13, 18, 19 and 24, marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling and broken.

Soil, rocky, 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

4.08

13.29

40.00

North, bet. secs. 13 and 18.  
Over mountainous land, through scattering undergrowth.  
Descend 70 ft. to  
Gulch, course SE. Ascend 220 ft. to  
Spur, slopes SE. Descend 285 ft. to  
Gulch, course SE.  
Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap,

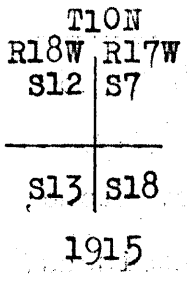




40. West boundary of Township 10 North, Range 17 West.

Chains.

and raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Ascend 350 ft. to  
 63.02 Spur, slopes S. 60°E. Descend 170 ft. to  
 80.00 Set an iron post 3 ft. long, 3 ins. in diam., in a mound of stone, for cor. of secs. 7, 12, 13 and 18, marked on brass cap,



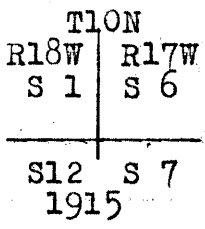
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

-----  
 North, bet. secs. 7 and 12.  
 Over mountainous land, through scattering undergrowth.

Descend 35 ft. to  
 1.93 Gulch, course SE. Ascend 200 ft. to  
 9.38 Spur, slopes S. 70°E. Descend 40 ft. to  
 13.90 Ascend 65 ft. to  
 21.83 Spur, slopes S. 80°E. Descend 115 ft. to  
 28.13 Head of ravine, course NE. Ascend 35 ft. to  
 35.17 Spur, slopes E. Descend 105 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 45.77 Gulch, course E. Ascend 65 ft. to  
 49.68 Spur, slopes E. Descend 150 ft. to  
 62.47 Wash, course S. 70°E. Ascend 110 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 1, 6, 7 and 12, marked on brass cap,



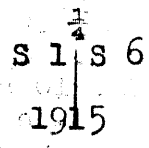
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Corner stands on spur, slopes S. 70°E.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

-----  
 North, bet. secs. 1 and 6.  
 Over rolling and mountainous land, through scattering undergrowth.  
 Descend 60 ft. to

West boundary of Township 10 North, Range 17 West.

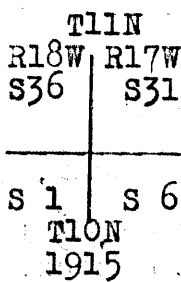
Chains.

6.38 Gulch, course S<sup>60</sup>°E. Ascend 115 ft. to  
 23.10 Descend 40 ft. to  
 26.95 Ascend 165 ft.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., in a mound  
 of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap,



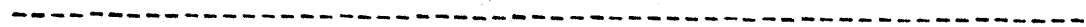
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

45.21 Spur, slopes W. Descend 55 ft. to  
 54.00 Ascend 20 ft. to  
 57.90 Descend 150 ft. to  
 66.57 Wash, course SE. Ascend 30 ft. to  
 80.00 Set an iron post 3 ft. long, 3 ins. in diam., in a mound of  
 stone, for cor. of Ts. 10 and 11 N., Rs. 17 and 18 W.,  
 marked on brass cap,



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

Land, rolling and mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.



42. North boundary of Township 10 North, Range 17 West.  
Chains.

From the corner of Ts. 10 and 11 North, Ranges 16 and 17 W., on the 4th. Guide Meridian West, hereinbefore described,  
West, on a random line, along the N. bdy. of T. 10 N., R. 17 W. setting temp.  $\frac{1}{4}$  sec. and sec. cors. at intervals of 40.00 chs.; and at 479.06 chs. from the NE. cor. of the Tp., intersect the W. bdy. of T. 10 N., R. 17 W., 27 lks. S. of the cor. of Ts. 10 and 11 N, Rs. 17 and 18 W., hereinbefore described. The falling answers to a correction of  $0^{\circ} 2'$  or 4 lks. north per mile, counting from the NE. cor. of the Tp.

39.06 S.  $89^{\circ} 58'$  E., on a true line, bet. secs. 6 and 31. Over rolling land, through scattering undergrowth. Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S 31  
 $\frac{1}{4}$  —————  
S 6  
1915

79.06 and raise a mound of stone, 3 ft. base.,  $2\frac{1}{2}$  ft. high, N. of cor. Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked on brass cap,

T11N R17W  
S31 | S32  
-----  
S 6 | S 5  
T10N  
1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.  
Land, rolling.  
Soil, gravelly, 3rd rate, drains SW.  
No timber.  
Undergrowth, greasewood and sage brush.

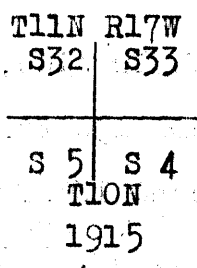
40.00 S.  $89^{\circ} 58'$  E., on a true line, bet. secs. 5 and 32. Over rolling land, through scattering undergrowth. Set an iron post 3 ft. long, 1 in. in diam., 15 ins. in the ground, in a mound of stone, 3 ft. base,  $1\frac{1}{2}$  ft. high, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S32  
 $\frac{1}{4}$  —————  
S 5  
1915

77.00 and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, N. of cor.  
80.00 Draw, course S. Set an iron post, 3 ft. long, 3 ins. in diam., in a mound of stone, for cor. of secs. 4, 5, 32 and 33, marked on brass cap,

North boundary of Township 10 North Range 17 West

Chains.

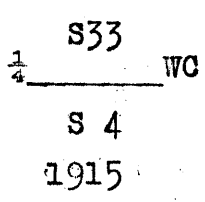


and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.  
 Land, rolling and broken.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, greasewood and sagebrush.

S.89°58'E., on a true line, bet. secs. 4 and 33.  
 Over rolling and broken land, through scattering undergrowth.

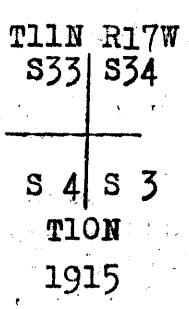
12.85  
 36.00  
 40.00  
 41.05

Ascend 80 ft. to  
 Thence over rolling land.  
 Enter box canyon, 150 ft. deep, course N.  
 Point for  $\frac{1}{4}$  sec. cor. falls in canyon, course N.  
 Edge of canyon, brs. N. and S. 150 ft. above bottom.  
 Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for witness cor. to  $\frac{1}{4}$  sec. cor., marked on brass cap,



48.18  
 63.82  
 80.00

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.  
 Ascend 100 ft. to  
 Ridge, brs. N. and S. Thence across rolling top of ridge.  
 Top of ridge, brs. N. and S. Descend 445 ft. to  
 Set an iron post, 3 ft. long, 3 ins. in diam., in a mound of stone for cor. of secs. 3, 4, 33 and 34, marked on brass cap,



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, W. of cor.  
 Land, rolling and mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

S.89°58'E. on a true line, bet. secs. 3 and 34.  
 Over mountainous land, through scattering undergrowth.

44. North boundary of Township 10 North, Range 17 West.

Chains.

7.85 Descend 170 ft. to  
Center of gulch, 1 chain wide, 10 ft. deep, course N. Ascend 110 ft. to

20.59 Spur, slopes N. Descend 130 ft. to

27.30 Ascend 95 ft. to

33.71 Spur, slopes N. Descend 105 ft. to

39.40 Head of gulch, course NE. Ascend 65 ft.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground, in a mound of stone, 3 ft. base, 10 ins. high, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S34

$\frac{1}{4}$

S 3

1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.

48.48 Spur, slopes N. Descend 250 ft. to

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 and 35, marked on brass cap,

T11N R17W

|     |     |
|-----|-----|
| S34 | S35 |
|-----|-----|

|     |     |
|-----|-----|
| S 3 | S 2 |
|-----|-----|

T10N

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

s. 89° 58' E. on a true line, bet. secs. 2 and 35.  
Over mountainous land, through scattering undergrowth.  
Descend 135 ft. to

12.44 Center of Mineral Wash, 4 chs. wide, course N. 5° W. Road in wash, brs. N. to Bill Williams River, and south.

Ascend 150 ft. to

19.56 Short spur, slopes N. Descend 65 ft. to

32.54 Gulch, course NW. Ascend 105 ft.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

Chains.

$\frac{1}{4}$  S35

S 2  
1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.

- 46.01 Spur, brs. E. and NW. Desc. 325 ft. to
- 58.37 Gulch, course NE. Asc. 375 ft. to
- 68.31 Spur, slopes NW. Desc. 215 ft. to
- 72.72 Gulch, course NW. Asc. 310 ft. to
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 1, 2, 35 and 36, marked on brass cap

T11N R17W  
S35 S36

S 2 S 1  
T10N  
1915

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.

Land, mountainous.  
Soil, rocky and sandy; 4 th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.

S. 89° 58' E., on a true line, bet. secs. 1 and 36.  
Over mountainous land, through scattering undergrowth.  
Desc. 175 ft. to

- 8.73 Wash, 55 lks. wide, 10 ft. deep, course N. Asc. 570 ft. to
- 35.22 Ridge, brs. NW. and SE. Desc. 330 ft.
- 40.00 Point for ¼ sec. cor. falls where it is impossible to set cor. I return to
- 39.40 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for witness cor. to ¼ sec. cor., marked on brass cap,

S36  
 $\frac{1}{4}$  WC

S1

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
N. of cor.

- 52.00 Asc. 35 ft. to
  - 57.00 Desc. 115 ft. to
  - 80.00 The cor. of Tps. 10 and 11 N., Rs. 16 and 17 W.
- Land, mountainous.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and ocotillo.

46.

## Boundaries of T. 10 N., R. 17 W.

Latitudes, departures and closing errors.

| Line designated.                    | True bearing. | Dist.<br>chs. | Latitudes. |            | Departures. |            |
|-------------------------------------|---------------|---------------|------------|------------|-------------|------------|
|                                     |               |               | N.<br>chs. | S.<br>chs. | E.<br>chs.  | W.<br>chs. |
| South Boundary.                     | West.         | 479.51        |            |            |             | 479.51     |
| West Boundary.                      | North.        | 480.00        | 480.00     |            |             |            |
| North Boundary                      | S.89°58'E.    | 479.06        |            | .27        | 479.06      |            |
| East Boundary.                      | South.        | 480.00        |            | 480.00     |             |            |
| (4th. Guide Mer. W)<br>Convergency, |               |               |            |            | .49         |            |
| Totals.                             |               |               | 480.00     | 480.27     | 479.55      | 479.51     |
|                                     |               |               |            | 480.00     | 479.51      |            |
| Error in latitude                   |               |               |            | .27        |             |            |
| Error in departure                  |               |               |            |            | .04         |            |

South Boundary of T. 10 N., R. 18 W.

Chains.

Survey conducted Nov. 20, 1915, and executed with Young and Heese's light mountain transit No. 3492, with Smith solar attachment. For description of instrument, certificate of approval and tests of adjustment, see subdivision of T. 10 N., R. 17 W.

From the cor. of Tps. 9 and 10 N., Rs. 17 and 18 W., which is an iron post, hereinbefore described, West on a random line, along the S. bdy. of T. 10 N., R. 18 W., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs.; and at 464.46 chs., intersect the W. bdy. of T. 9 N., R. 18 W., 1.30 chs. S. of the cor. of Tps. 9 and 10 N., Rs. 18 and 19 W., which is an iron post, hereinafter described. The falling answers to a correction of 0° 10', or 22 lks. N. per mile, counting from the NE. cor. of the Tp.; therefore

7.75  
15.60  
18.50  
20.45  
21.15  
24.46

S.89° 50' E., on a true line, bet. secs. 6 and 31. Over rolling land, through scattering undergrowth. Asc. 50 ft. to Spur, breaks N. Desc. 50 ft. Road, brs. NW. to Parker and SE. to Zeolite Mine. Wash, course NW. Asc. gradually. Dim road, brs. N. 30° W. and SE. Wash, course S. Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap

S 31  
1/4 ———  
S 6  
1915  
1915

36.15  
64.46

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Wash, course S.20° W. Comes from N.70° E. Set an iron post, 3 ft. long, 3 ins. diam., 16 ins. in the ground, in a mound of stone, for cor. of secs. 5, 6, 31 and 32, marked on brass cap

T10N R18W  
S31 | S32  
—+—  
S 6 | S 5  
T9N  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, rolling. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.

16.05  
40.00

S.89° 50' E., on a true line, bet. secs. 5 and 32. Over rolling land, through scattering undergrowth. Wash, course S.40° W. Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

S32  
1/4 ———  
S 5  
1915

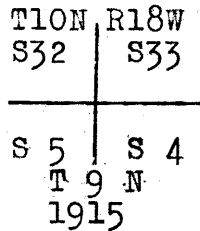
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.



Chains.

52.55 Wash, course SW. Leave rolling, enter mountainous land. Asc. 230 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked on brass cap



and raise a mound of stone, 2 ft base, 1½ ft. high, W. of cor.

Land, rolling and mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, palo verde, greasewood and cacti.

S.89° 50' E., on a true line, bet. secs. 4 and 33. Over broken land, through scattering undergrowth.

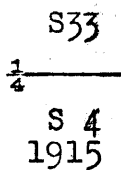
Asc. 25 ft. to

4.20 Spur, slopes S. Desc. 245 ft. to

28.00 Foot of descent; thence across bottom land.

38.70 Wash, course S.30° W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

40.10 Road brs. NE. to Zeolite Mine, and SW. to Parker. Leave bottom land, asc. 160 ft. to

57.75 Spur, slopes N. Desc. 145 ft. to

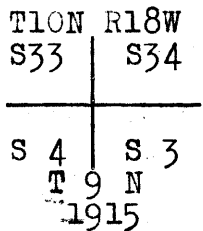
63.00 Wash, course N. 50° W. Thence over rolling land.

69.50 Road, brs. N.60° W. to Parker and S.60° E. to Zeolite Mine.

77.10 Wash, course S.80° W.

79.80 Road, brs. NE. to Zeolite Mine and SW. to Parker.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 3, 4, 33 and 34, marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling and broken.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

S.89° 50' E., on a true line, bet. secs. 3 and 34. Over mountainous land, through scattering undergrowth.

Asc. 75 ft. to

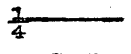
10.15 Spur, slopes N. Desc. 45 ft. to

South Boundary of T. 10 N., R. 18 W.

Chains.

13.25 Gulch, course N. Asc. 185 ft. to  
 20.05 Spur, slopes N. Desc. 175 ft. to  
 31.60 Gulch, course N. Asc. 130 ft. to  
 35.65 Spur, slopes N. 30° W.  
 From this point, House brs. N. 61° 10' W., about 5 chs. dist.  
 Zeolite tunnel brs. S. 65° W., about 5 chs. dist.  
 Tunnel brs. S. 69° W., about 7 chs. dist.  
 Tunnel brs. S. 69 3/4° W., 9 chs. dist.  
 Desc. 135 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for 1/4 sec. cor., marked on brass cap

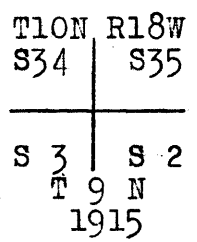
S34



S 3  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
N. of cor.

44.25 Gulch, course NW. Asc. 105 ft. to  
 51.95 Spur, slopes NE. Desc. 75 ft. to  
 69.45 Wash, course NE. Asc. 55 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
 stone, for cor. of secs. 2, 3, 34 and 35, marked on  
 brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

S. 89° 50' E., on a true line, bet. secs. 2 and 35.  
 Over mountainous land, through scattering undergrowth.  
 Desc. 50 ft. to  
 2.25 Wash, course NW. Thence along N. slope.  
 3.25 Wash, course NW. Asc. 405 ft.  
 31.80 Cliff, 60 ft. high. Continue ascent.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for 1/4 sec. cor., marked on brass cap

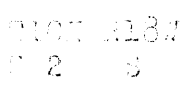
S35



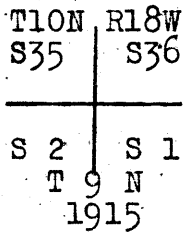
S 2  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
N. of cor.

Continue ascent to  
 44.20 Spur, breaks abruptly to NW. Desc. 105 ft. to  
 49.75 Head of gulch, course NW. Asc. 135 ft. to  
 57.35 Top of ascent; thence along spur, slopes N. 80° W., ascend-  
 ing to  
 67.25 Spur, slopes N. 80° W. Desc. 45 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
 stone, for cor. of secs. 1, 2, 35 and 36, marked on brass  
 cap



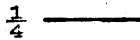
Chains.



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.

S. 89° 50' E., on a true line, bet. secs. 1 and 36  
Over mountainous land, through scattering undergrowth.  
Asc. 40 ft. to  
5.05 Spur, slopes N. 70° W. Desc. 65 ft. to  
12.55 Head of ravine, course N. Asc. 85 ft. to  
21.25 Saddle in divide, brs. N. and S. Desc. 55 ft. to  
37.15 Head of gulch, course NW. Asc. 25 ft.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for ¼ sec. cor., marked on brass cap

S36



S 1  
1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.  
40.55 Spur, slopes N. 30° E. Desc. 45 ft. to  
51.20 Thence along N. slope of ridge, brs. E. and S. 30° W.  
57.50 Ridge, brs. W. and N. 80° E. Desc. 35 ft. to  
66.00 Asc. 20 ft. to  
72.85 Short spur, slopes S. Desc. 90 ft. to  
80.00 The cor. of Tps. 9 and 10 N., Rs. 17 and 18 W.  
Land, mountainous.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.

Chains.

Survey executed with Young and Sons' light mounting transits Nos. 8611 and 8492, with the Smith solar rate, attachments, the former instrument hereinbefore described, and the latter described in Book "B." and subdivision of T. 10 N., R. 18 W.

We examine the adjustments of the transits, and correct all errors; then to test the solars, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, we proceed as follows: Nov. 23, 1915: At camp near sec. cor. bet. secs. 4 and 33 on the S. bdy. of T. 10 N., R. 18 W., lat. 34° 9½' N., long. 114° 8½' W., at 3 hrs. 0 m., a.m., l.m.t., by our watches, which are set to correct local mean time, we observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a hub, firmly set in the ground, 7 chs. N. of our station.

At 7 hrs. 50 m., a.m., l.m.t., we lay off the azimuth of Polaris, 1° 22½' to the east, and mark a point in the line thus determined on a hub, firmly set in the ground, 5 chs. N. of our station.

At 8 hrs. 0 m., a.m., l.m.t., we set off 34° 9½' N. on the lat. arcs; 21° 8½' S. on the decl. arcs; and determine a meridian with each solar. The meridian determined by each solar departs less than 1' from the meridian determined by observations on Polaris at elongation.

At apparent noon, we set off 21° 12½' S. on the decl. arcs; and observe the sun on the meridian with each solar; the resulting lat. with each instrument is 34° 9½' N.

At 4 hrs. 0 m., p.m., l.m.t., we set off 34° 9½' N. on the lat. arcs; 21° 12' S. on the decl. arcs; and determine a meridian with each solar; The meridian determined by each solar departs less than 1' from the meridian determined by observations on Polaris at elongation. Nov. 23, 1915

Each solar, by a.m. and p.m. observations, defines positions for meridian which depart less than 1' from the true meridian determined by observations on Polaris at elongation; therefore, since these instruments fulfill the conditions of our instructions, we conclude that they are in satisfactory adjustment for field use.

The magnetic bearing of the true meridian at 8 hrs. 30 m., a.m., is M. 15° W.; the mag. decl. is therefore N. 15° E.

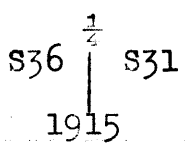
From the cor. of Tps. 9 and 10 N., Rs. 18 and 19 W., hereinafter described,

North bet secs. 31 and 36.

Over broken land, through scattering undergrowth.

Desc.

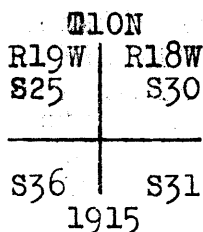
- 4.55 Road, brs. N. 70° E. and S. 70° W.
- 5.56 Wash, course SW. Asc. 185 ft. to
- 15.14 End of ridge, brs. NW. and SE. Desc. 150 ft. to
- 34.13 Wash, course SE. Dim. road in wash, brs. NW. and SE. Asc. 155 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

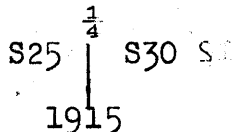
- 76.56 Ridge, brs. NE. and SW. Desc. slightly to
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 25, 30, 31 and 36, marked on brass cap

Chains.

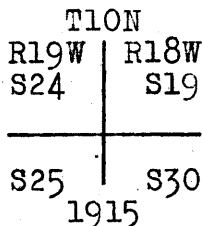


and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, broken.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.

North bet. secs. 25 and 30.  
Over mountainous land, through scattering undergrowth.  
Desc. 35 ft. to  
1.84 Wash, course W. Thence along broken W. slope. Asc. 55 ft.  
to  
9.00 Desc. 20 ft. to  
12.20 Asc. 125 ft. to  
16.80 Desc. 90 ft. to  
22.10 Asc. 85 ft. to  
26.95 Desc. 360 ft.  
40.00 Set an iron pbst, 3 ft. long, ¾ in. diam., in a mound of  
stone, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
44.60 Wash, course SW. Asc. 190 ft. to  
53.66 Spur, slopes W. Des. 160 ft. to  
58.03 Wash, course W. Asc. 125 ft. to  
63.50 Desc. 70 ft. to  
68.40 Asc. 105 ft. to  
72.58 Spur, slopes W. Desc. 170 ft. to  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
stone, for cor. of secs. 19, 24, 25 and 30, marked on  
brass cap



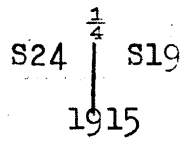
and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, rocky; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, sagebrush and cacti.

North bet. secs. 19 and 24.  
Over mountainous land, through scattering undergrowth.  
Desc. 135 ft. to  
21.81 Wash, course S.20° W. Asc. 300 ft.  
22.31 Road, brs. N.20° E. and S.20° W.  
33.93 Divide, brs. E. and SW. Desc. 35 ft.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of

Practical West Boundary of T. 10 N., R. 18 W.

Chains.

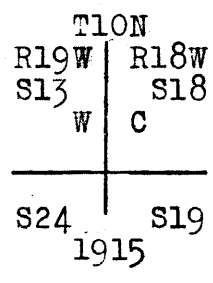
stone, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

40.50  
44.20  
49.15  
57.95  
62.95  
65.10  
73.64  
79.85

Wash, course N.45° E. Asc. 115 ft. to  
 Desc. 40 ft. to  
 Asc. 180 ft. to  
 Spur, slopes N.75° E. Desc. 155 ft. to  
 Wash, course NE. Asc. 85 ft. to  
 Desc. 150 ft. to  
 Wash, course NE. Asc. 75 ft. to  
 Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground, in a mound of stone, for witness cor. to cor. of secs. 13, 18, 19 and 24, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

80.00

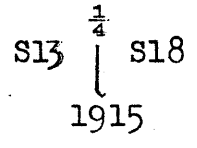
The true point for cor. of secs. 13, 18, 19 and 24, falls on rotten ledge, where it is impossible to set cor.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

From the true point for cor. of secs. 13, 18, 19 and 24, North bet. secs. 13 and 18.

Over mountainous land, through scattering undergrowth. Asc. 30 ft. to

0.88  
9.02  
12.91  
22.25  
33.92  
40.00

Ridge, brs. E. and W. Desc. 205 ft. to  
 Wash, 50 lks. wide, 5 ft. deep, course E. Asc. 170 ft. to  
 Ridge, brs. NE. and SW. Desc. 130 ft. to  
 Wash, 50 lks. wide, course NE. Thence along W. side of wash.  
 Wash, 50 lks. wide, 5 ft. deep, course NW. Asc. 45 ft.  
 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap

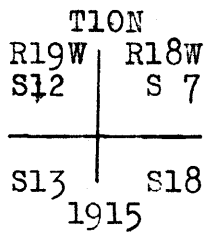


and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

40.47  
56.24  
61.19  
68.44  
80.00

Ridge, brs. NW. and S.20° E. Desc. 255 ft. to  
 Center of wash, 1 ch. wide, course NW. Road in wash, brs. NW. and SE.  
 Asc. 210 ft. to  
 Ridge, brs. NW. and SE. Desc. to  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap

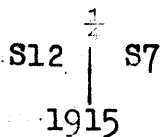
Chains.



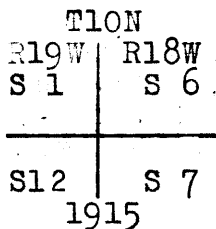
and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, sandy clay and loam, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.

North bet. secs. 7 and 12.  
Over mountainous land, through scattering undergrowth.  
Desc. to

- 4.73 Ravine, course N.20° W. Asc. 25 ft. to
- 9.70 Desc. 65 ft. to
- 16.02 Wash, course W. Asc. 45 ft. to
- 21.95 Desc. 135 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap



- 43.83 Wash, course W. Asc. 40 ft. to
- 49.75 Desc. to
- 59.04 Wash, course W. Road in wash, brs. E. and W. Asc. 70 ft. to
- 70.57 Spur, slopes W. From this point, U. S. L. M. No. 2483B, Seneca Mining District, which is a sandstone, chiseled USLM 2483B, brs. S.85° 56' W., 20.00 chs. dist. Desc. 100 ft. to
- 80 00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 1, 6, 7 and 12, marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.

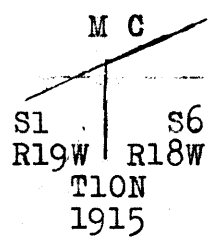
North bet. secs. 1 and 6.  
Over mountainous land, through scattering undergrowth and timber.

- 7.20 Wash, course W. Asc. 80 ft. to
- 16.71 Spur, slopes W. Desc. 80 ft.
- 31.92 Road, brs. NE. and SW.
- 32.66 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, on the Left Bank of the Colorado River, at mean

Fractional West Boundary of T. 10 N., R. 18 W.

Chains.

high water mark, for meander cor. of fract. secs. 1 and 6, marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 S. of cor.  
 Land, mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and willow.



Sectional North Boundary of T. 10 N., R. 18 W.

Chains.

Surveyed and run Nov. 25, 1915, and covered with Young and Sons' 10 ft. portable tripod bar. 6012 and 2492, with chain solar attachments. For description of instruments, certificate of approval, and notes of adjustment; see plat "A", 1st subdivision of T. 10 N., R. 18 W.

From the cor. of Tps. 10 and 11 N., Rs. 17 and 18 W., hereinbefore described,

West on a true line, bet. secs. 1 and 36.  
Over rolling land, through scattering undergrowth.

29.05  
40.00

Asc. 70 ft. to  
Desc. 45 ft. to  
Head of draw, course N.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S36

$\frac{1}{4}$  ———

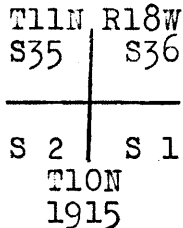
S 1  
1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.

Asc. 110 ft. to

63.10  
80.00

Ridge, brs. N. and S. Desc. 595 ft. to  
Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 1, 2, 35 and 36, marked on brass cap



and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Land, rolling and mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde, sagebrush and cacti.

West on a true line, bet. secs. 2 and 35.  
Over mountainous land, through scattering undergrowth.

33.63  
36.63  
40.00

Desc. 360 ft. to  
Enter wash, 5 ft. deep, course NW.  
Leave wash, course NW. Thence along N. slope.  
Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S35

$\frac{1}{4}$  ———

S 2  
1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.

41.00

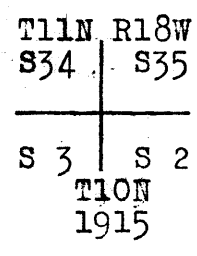
Center of wash, 1 ch. wide, 2 ft. deep, course NE. Asc. 415 ft. to

60.91  
80.00

Ridge, brs. N. and S. Desc. 220 ft. to  
Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 2, 3, 35 and frac. sec. 34, marked on brass cap

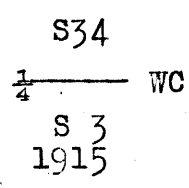
Fractional North Boundary of T. 10 N., R. 18 W.

chains.

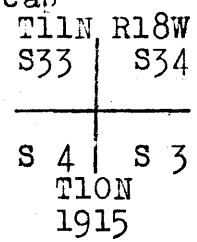


and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, palo verde, greasewood and cacti.

West on a true line, bet. secs. 3 and fracl. secs 34.  
Over mountainous land, through scattering undergrowth.  
Desc. to  
2.50 Center of wash, 1 ch. wide, 5 ft. deep, course NW. Asc.  
65 ft. to  
19.00 Desc. 30 ft. to  
24.00 Asc. 80 ft. to  
31.85 Desc. 30 ft. to  
35.00 Center of wash, 1 ch. wide, 10 ft. deep, course N.20° E.  
Asc. 635 ft.  
40.00 Point for ¼ sec. cor. falls on cliff, brs. N. and S.  
Impossible to set cor. at this point.  
45.80 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for witness cor. to ¼ sec. cor., marked on brass  
cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
N. of cor.  
Continue ascent to  
49.35 Spur, slopes N.20° W. Desc. 420 ft. to  
62.83 Draw, course NW. Asc. 335 ft. to  
75.62 Spur, breaks 2 chs. NW. Desc. 160 ft. to  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
stone, for cor. of secs. 3, 4, and fracl. secs. 33 and 34,  
marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.

West on a true line, bet. secs. 4 and fracl. sec. 33.  
Over mountainous land, through scattering undergrowth.  
Desc. 285 ft. to  
14.50 Wash, course NW. Asc. 85 ft. to  
20.20 Desc. 40 ft. to  
36.98 Wash, course N. Asc. to

Chains.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

S33

1/4

S 4

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Desc. 50 ft. to

45.25 Asc. 20 ft. to

48.85 Desc. 80 ft. to

60.94 Wash, course N.20° W. Asc. 30 ft. to

68.20 Desc. 55 ft. to

71.15 Asc. 25 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 4, 5, and fract. secs. 32 and 33, marked on brass cap

T11N R18W

S32

S33

S 5

S 4

T10N

1915

and raise a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

West on a true line, bet. secs. 5 and fract. sec. 32. Over broken land, through scattering undergrowth.

Desc. to

4.55 Wash, course N. Asc. 120 ft.

11.90 Trail, brs. NE. and SW.

13.90 Road, brs. N. and S.

25.49 Long spur, slopes NW. Desc. 265 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

S32

1/4

S 5

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

41.73 Wash, course N.80° W. Trail brs. N.80° W. and S.80° E. Asc. 25 ft. to

49.65 Desc. 55 ft. to

57.58 Wash, course NW. Asc. 190 ft.

66.04 Trail, brs. N. and S.

67.34 Divide, brs. NW. and SE. Desc. 70 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of sec. 5 and fract. secs. 6, 31 and 32, marked on brass cap

T11N R18W

S31

S32

S 6

S 5

T10N

1915

North boundary of Township 10 North, Range 18 West. 59

Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high, w. of cor.  
 Land, broken.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

---

West, on a true line, bet. fracl. secs. 6 and 31.  
 Over mountainous land thru scattering undergrowth.  
 Ascend 110 ft. to  
 9.10 Divide brs. NE. and SW. Descend 240 ft.  
 22.73 Enter level land and dense undergrowth.  
 24.73 Old trail brs. N. and S.  
 32.43 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, on the left bank of the Colorado river, at mean high water mark, for meander cor. of fracl. secs. 6 and 31, marked on brass cap,

T11N R18W  
 S31  
 MC  
 S 6  
 T10N  
 1915

from which,  
 A willow, 6 ins. in diam., brs. N. 84° 50' E., 36 lks. dist., marked T11N R18W S31 MC BT.  
 A willow, 12 ins. in diam., brs. S. 88° 20' E., 72 lks. dist., marked T10N R18W S6 MC BT.

Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, catclaw and willow.

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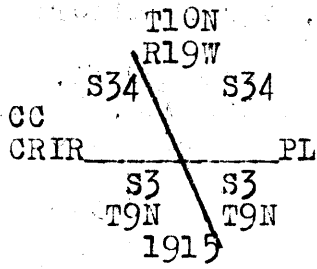
Boundaries of portion of T. 10 N., R. 18 W.  
 Latitudes, departures, and closing errors.

| Line designated.        | True bearing.       | Dist.  | Latitudes. |          | Departures. |        |
|-------------------------|---------------------|--------|------------|----------|-------------|--------|
|                         |                     |        | N. or S.   | E. or W. | E.          | W.     |
| South boundary,         | N. 89° 50' W.       | 464.46 | 1.30       |          |             | 464.46 |
| West boundary,          | North,              | 400.00 | 400.00     |          |             |        |
| Subdivisional boundary, | S. 89° 59' E.       | 64.13  |            | .02      | 64.13       |        |
|                         | N. 0° 10' E.        | 79.33  | 79.33      |          | .23         |        |
| North boundary,         | East,               | 400.00 |            |          | 400.00      |        |
| East boundary,          | South,              | 480.00 |            | 480.00   |             |        |
| Convergency,            |                     |        |            |          | .48         |        |
| Totals,                 |                     |        | 480.63     | 480.02   | 464.84      | 464.46 |
|                         |                     |        | 480.02     |          | 464.46      |        |
|                         | Error in latitude,  |        | .61        |          |             |        |
|                         | Error in departure, |        |            |          | .38         |        |

Completion of South boundary of fracl. Township 10 N. R. 19 W. 61

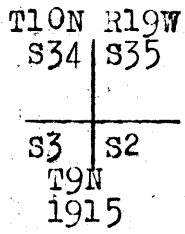
Chains.

From the closing cor. of secs. 3 and 34, T.9 N., R.19 W., and fracl. T.10 N., R.19 W., established on the E. bdy. of the Colorado River Indian Reservation, which is an iron post 3 ins. in diam., properly set, marked and witnessed as described by the surveyor general. I change the markings on this cap as follows:



Thence, East, on a true line, bet. secs. 3 and 34. Over broken land, thru scattering undergrowth.

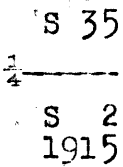
23.34 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Corner falls in draw, course SW. Land, broken. Soil, sandy and rocky, 4th rate. No timber. Undergrowth, palo verde, greasewood and cactus.

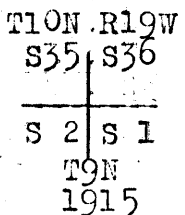
East, on a true line, bet. secs. 2 and 35. Over rolling and broken land, thru scattering undergrowth. Ascend in draw.

15.50 Leave draw, course W. Comes from S.60°E. Ascend 40 ft. to  
27.15 Spur, slopes S.80°W. Descend 35 ft. to  
34.52 Wash, course S.60°W. Ascend gradually 60 ft.  
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,



Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

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,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

62. Completion of South bdy. of Fracl. T. 10 N., R. 19 W.

Chains.  
 Land, rolling, and broken.  
 Soil, rocky and sandy, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cactus.

---

East, on a true line, bet. secs. 1 and 36.  
 Over broken land, thru. scattering undergrowth.  
 Ascend 125 ft. to  
 30.89 Spur, slopes S. Descend 90 ft. to  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the  
 ground, in a mound of stone, for sec. cor., marked on  
 brass cap,  
 S 36  
 1  
 S 1  
 1915  
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
 Ascend 50 ft. to  
 54.55 Spur, slopes S. Descend 50 ft. to  
 56.40 Gulch, course S. 40° E. Ascend 30 ft. to  
 59.53 Spur, slopes S. Descend 50 ft. to  
 61.87 Gulch, course S. Ascend 70 ft. to  
 68.93 Spur, slopes S. 10° E. Descend 140 ft. to  
 74.22 Wash, course S. 20° W. Ascend 25 ft.  
 78.18 Road, brs. N. to Zeolite Mine and S. 20° W. to Parker.  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 14 ins. in the  
 ground, in a mound of stone, for cor. of Ts. 9 and 10  
 N., Rs. 18 and 19 W., marked on brass cap,  
 T10N  
 R19W | R18W.  
 S36 | S31  
 S 1 S 6  
 T9N  
 1915  
 and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of  
 cor.  
 Land, broken. Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, palo verde, greasewood and cactus.

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Boundaries of portion of fracl. T. 10 N., R. 19 W., outside  
 the Colorado River Indian Reservation.  
 Latitudes, departures, and closing errors.

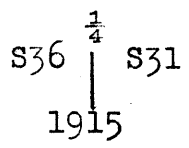
| Line designated.                      | True bearing.       | Dist.  | Latitudes. |        | Departures. |        |
|---------------------------------------|---------------------|--------|------------|--------|-------------|--------|
|                                       |                     |        | N.         | S.     | E.          | W.     |
| South boundary,                       | West,               | 183.34 |            |        |             | 183.34 |
| East bdy. of Colo.<br>River Ind. Res. | N. 13° 03' W.       | 82.12  | 80.00      |        |             | 18.54  |
| Subdivisional<br>boundary,            | N. 89° 56' E.       | 41.83  | .05        |        | 41.83       |        |
|                                       | N. 0° 1' W.         | 160.00 | 160.00     |        |             | .05    |
|                                       | N. 89° 55' E.       | 80.11  | .12        |        | 80.11       |        |
|                                       | N. 0° 1' W.         | 80.00  | 80.00      |        |             | .02    |
| East boundary,                        | South,              | 320.00 |            | 320.00 |             |        |
| Convergency,                          |                     |        |            |        | .10         |        |
| Totals:                               |                     |        | 320.17     | 320.21 | 201.88      | 201.95 |
|                                       |                     |        |            | 320.17 |             | 201.88 |
|                                       | Error in latitude,  |        |            | 0.04   |             |        |
|                                       | Error in departure, |        |            |        |             | 0.07   |

West Boundary of T. 11 N., R. 17 W.

Chains.

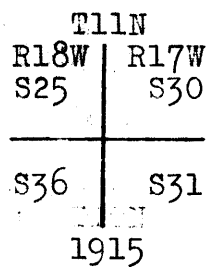
Survey commenced Nov. 22, 1887, and executed with Young and Sons' light mountain transit No. 3011, with Smith solar attachment. For description of instrument and certificate of approval, see book "A". For tests of adjustment, see West Boundary of T. 10 N., R. 18 W.

40.00 From the cor. of Tps. 10 and 11 N., Rs. 17 and 18 W., which is an iron post, hereinbefore described, North, bet. secs. 31 and 36. Over rolling hills, through scattering undergrowth. Asc. 155 ft. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for 1/4 sec. cor., marked on brass cap



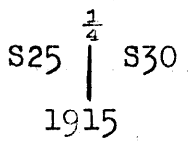
42.39 Ridge, brs. E. and W. Desc. to  
57.40 W. of cor. Asc. 40 ft. to  
67.40 Desc. 85 ft. to  
80.00 Head of draw, course SE.

Set an iron post, 3 ft. long, 3 ins diam., 4 ins. in the ground, in a mound of stone, 3 ft. base, 30 ins. high, for cor. of secs. 25, 30, 31 and 36, marked on brass cap



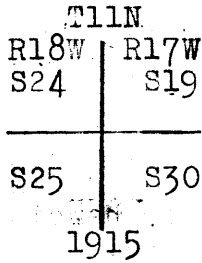
and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.  
Land, rolling hills.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo and cacti.

30.67 North bet. secs. 25 and 30.  
40.00 Over hilly and mountainous land, through scattering undergrowth. Asc. 135 ft. to Ridge, brs. NE. and SW. Thence along top of ridge. Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, in a mound of stone, 3 ft. base, 2 ft. high, for 1/4 sec. cor., marked on brass cap



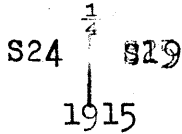
49.18 and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.  
61.42 Continue along top of ridge to Top of cliff, brs. E. and W. Desc. 745 ft.  
80.00 Head of gulch, course N.10° W. Continue descent along E. side of gulch. Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 19, 24, 25 and 30, marked on brass cap

Chains.

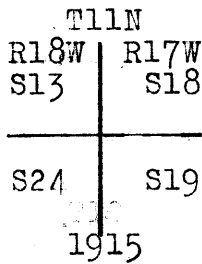


and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.  
 Land, hilly and mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, palo verde and greasewood.

21.14 North bet. secs. 19 and 24.  
 Over mountainous land through scattering undergrowth.  
 Desc. 450 ft.  
 Center of draw, 2 chs. wide, 5 ft. deep, course N.10° W.  
 Continue descent to  
 32.20 Asc. 25 ft. to  
 33.15 Desc. 185 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.  
 44.83 Enter wash, course N. Comes from SW.  
 54.80 Leave wash, course N.20° E. Asc. 100 ft. to  
 70.21 Spur, slopes NE. Desc. 145 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins diam. 24 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap



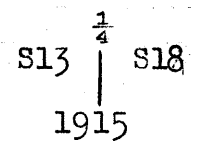
and raise amount of stone, 3 ft. base, 2½ ft. high, W. of cor.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

11.90 North bet. secs. 13 and 18.  
 16.00 Over Bill Williams River Bottom, through dense undergrowth.  
 17.40 Old road, brs. E. and W.  
 18.40 Irrigation ditch, 10 lks. wide, 1 ft. deep, course W.  
 21.35 Center of channel of Bill Williams River. 1 ch wide, 1 ft. deep, course W.  
 28.85 Four wire fence, brs. E. and W.  
 Road, brs. E. and W.  
 Center of main channel of Bill Williams River, 1.50 chs. wide, 6 ins. deep, course W.



West Boundary of T. 11 N., R. 17 W.

Chains.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

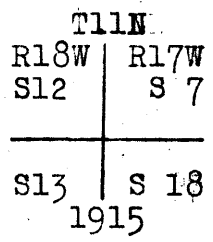


and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Asc. 65 ft. to  
44.56 From this point, Mrs. Montchio's House brs. S.  $60^\circ$  W.  
Barn brs. S.  $62^\circ$  W.  
Desc. to

47.97 Draw, course SW. Asc. 270 ft. to  
68.00 Spur, slopes SE. Desc. 120 ft. to

80.00 Draw, course NW.  
Set an iron post, 3 ft. long, 3 ins diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap



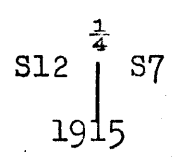
and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high. W. of cor.

Land, level and mountainous.  
Soil, sandy and rocky; 3rd rate.  
No timber.  
Undergrowth, greasewood, sagebrush, arrow weed and cacti.

1.96 North bet. secs. 7 and 12.  
11.35 Over mountainous land, through scattering undergrowth.  
Asc. 25 ft. to  
Spur, slopes W. Desc. 70 ft. to

16.60 Center of wash, 2 chs. wide, 2 ft. deep, course SW. Asc.  
21.62 45 ft. to  
End of spur, slopes SE. Desc. to

40.00 Enter same wash, course SE. Asc. in wash.  
Leave wash, course S. Comes from NW.  
Set an iron post, 3 ft. long, 1 in. diam., 12 ins in the ground, in a mound of stone, 3 ft. base, 2 ft. high, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Asc. 120 ft. to  
49.09 Spur, slopes NW. Desc. 40 ft. to  
55.00 Center of same wash, 2 chs. wide, 2 ft. deep, course W.  
Asc. 355 ft. to

72.50 Spur, slopes SE. Desc. 125 ft. to  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 1, 6, 7 and 12, marked on brass cap

Chains.

|      |      |
|------|------|
| T11N |      |
| R18W | R17W |
| S1   | S6   |
|      |      |
| S12  | S7   |
| 1915 |      |

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, palo verde, greasewood and sagebrush.

North bet. secs. 1 and 6.

Over rolling hills, through scattering undergrowth.

Desc. 45 ft. to

7.50 Asc. 25 ft. to

19.60 Desc. 125 ft. to

21.60 Center of wash, 2 chs. wide, 5 ft. deep, course SE

27.58 Enter wash, 2 chs. wide, 5 ft. deep, course S.  $10^\circ$  W.

36.56 Leave wash, 2 chs. wide, 5 ft. deep, course S. Comes from  
NE. Continue over rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

|               |    |
|---------------|----|
| $\frac{1}{4}$ |    |
| S1            | S6 |
|               |    |
| 1915          |    |

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.

65.35 Center of wash, 2 chs. wide, 5 ft. deep, course S.  $20^\circ$  W.  
Asc. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of Tps. 11 and 12 N., Rs. 17 and 18  
W., marked on brass cap

|      |      |
|------|------|
| T12N |      |
| R18W | R17W |
| S36  | S31  |
|      |      |
| S 1  | S 6  |
| T11N |      |
| 1915 |      |

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
S. of cor.

Land, rolling hills.

Soil, rocky; 4th rate.

No timber.

Undergrowth, palo verde, greasewood and sagebrush.

North Boundary of T. 11 N., R. 17 W.

Chains.

Survey of 1891, Mar. 1, 1916, was executed with Young and Sons' 110 ft. chain, No. 8011, with Smith solar attachment. For description of instrument and certificate of approval, see Book 144. For tests of adjustment, see West boundary of T. 12 N., R. 18 W.

From the cor. of Tps. 11 and 12 N., Rs. 16 and 17 W., which is an iron post, hereinbefore described.

West on a random line, along the N. bdy. of T. 11 N., R. 17 W., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs.; and at 478.50 chs., intersect W. bdy. of T. 12 N., R. 17 W., 24 lks. N. of the cor. of Tps. 11 and 12 N., Rs. 17 and 18 W., which is an iron post, hereinbefore described. The falling answers to a correction of 0° 2', or 4 lks. S. per mile, counting from the NE. cor. of the Tp.; therefore

5.40  
22.80  
29.90  
34.80  
38.50

N. 89° 58' E., on a true line, bet. secs. 6 and 31. Over broken hills, through scattering undergrowth.

Asc. slightly to

Desc. 45 ft. to

Center of wash, 1 ch. wide, 5 ft. deep, course SW. Asc. 105 ft. to

Desc. 75 ft. to

Asc. 65 ft. to

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

S31

1/4

S 6

1916

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

Thence over rolling land.

43.00  
48.50  
73.00  
78.50

Center of wash, 1 ch. wide, 5 ft. deep, course S.

Wash, 50 lks. wide, 5 ft. deep, course SW.

Wash, 1 ch. wide, 10 ft. deep, course S.

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked on brass cap

T12N R17W  
S31 S32

S 6 S 5

T11N

1916

and raise amount of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Land, rolling; and broken hills.

Soil, rocky; 4th rate.

No timber.

Undergrowth, palo verde, greasewood, sagebrush and cacti.

15.40  
33.95  
40.00

N. 89° 58' E., on a true line, bet. secs. 5 and 32.

Over rolling land, through scattering undergrowth.

Wash, 50 lks. wide, 5 ft. deep, course SW. Asc. 170 ft. to

Spur, slopes SW. Desc. 85 ft.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

S32

1/4

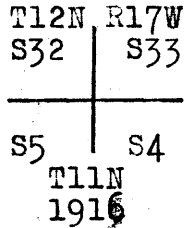
S 5

1916

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high,

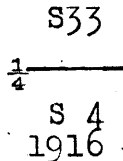
Chains.

N. of cor.  
 42.55 Center of wash, 1 ch. wide, 10 ft. deep, course S. Asc. 90 ft. to  
 50.30 Spur, slopes S. Desc. 90 ft. to  
 62.45 Center of wash, 1 ch. wide, 15 ft. deep, course S. Asc. 100 ft. to  
 78.80 Desc. 30 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 4, 5, 32 and 33, marked on brass cap

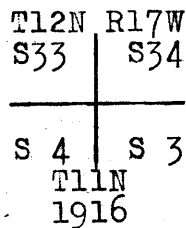


and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.  
 Land, mountainous and rolling.  
 Soil, decomposed granite; 4th rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.

N. 89° 58' E., on a true line, bet. secs. 4 and 33.  
 Over broken land, through scattering undergrowth.  
 Desc. slightly to  
 4.55 Draw, course SW. Asc. 230 ft. to  
 9.30 Divide, brs. N. and S. Desc. 75 ft. to  
 31.80 Asc. 90 ft. to  
 36.60 Desc. 20 ft. to  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.  
 Asc. 30 ft. to  
 46.75 Spur, slopes SW. Desc. 45 ft. to  
 51.20 Thence over rolling land.  
 57.30 Asc. 70 ft. to  
 64.90 Desc. 145 ft. to  
 73.05 Asc. 40 ft. to  
 78.05 Desc. 50 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in the ground, in a mound of stone, 2 ft. base, 1 ft. high, for cor. of secs. 3, 4, 33 and 34, marked on brass cap



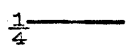
and raise amount of stone, 3 ft. base, 2½ ft. high, W. of cor.  
 Land, broken.  
 Soil, decomposed granite; 4th rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.

North Boundary of T. 11 N., R. 17 W.

Chains.

N.89° 58' E., on a true line, bet. secs. 3 and 34.  
 Over broken land, through scattering undergrowth.  
 Desc. 60 ft. to  
 Wash, 50 lks. wide, 5 ft. deep, course S. Asc. 340 ft. to  
 Ridge, brs. N. and S. Desc. 135 ft. to  
 Draw, course N.70° E.  
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S34



S 3  
1916

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
 N. of cor.  
 Asc. 45 ft. to  
 Desc. 25 ft. to  
 Asc. 85 ft. to  
 Spur, slopes NE. Desc. 270 ft. to  
 Wash, 1 ch. wide, 1 ft. deep, course NE.  
 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
 stone, for cor. of secs. 2, 3, 34 and 35, marked on  
 brass cap

46.85  
54.15  
59.00  
80.00

|      |      |
|------|------|
| T12N | R17W |
| S34  | S35  |

|      |     |
|------|-----|
| S 3  | S 2 |
| T11N |     |
| 1916 |     |

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
 W. of cor.  
 Land, broken.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.

N.89° 58' E., on a true line, bet. secs. 2 and 35.  
 Over broken land, through scattering undergrowth.  
 Asc. 50 ft. to  
 Desc. 80 ft. to  
 Center of wash, 1 chs. wide, 3 ft. deep, course SE. Asc. 45  
 ft. to  
 Desc. 25 ft. to  
 Center of wash, 1 ch. wide, 2 ft. deep, course SE. Asc.  
 90 ft.  
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

9.15  
13.50  
25.10  
35.60  
40.00

S35



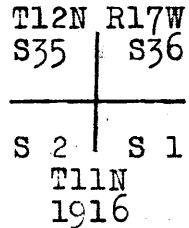
S 2  
1916

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
 N. of cor.  
 Asc. 90 ft. to  
 Desc. 75 ft. to  
 Asc. 50 ft. to  
 Desc. 25 ft. to  
 Asc. 25 ft. to  
 Desc. 45 ft. to  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 1, 2, 35 and 36, marked on  
 brass cap

46.95  
54.60  
59.60  
62.75  
72.75  
80.00

North Boundary of T. 11 N., R. 17 W.

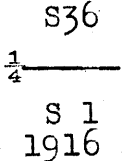
Chains.



and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.  
 Land, broken.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.

19.50  
 40.00

N.89° 58' E., on a true line, bet. secs. 1 and 36.  
 Over rolling and broken land, through scattering undergrowth.  
 Desc. gradually to  
 Center of wash, 1 ch. wide, 2 ft. deep, course SE.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



45.95  
 50.95  
 75.90  
 80.00

and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.  
 Bank of wash, 10 ft. high, brs. N. and S. Thence across wash, course S.  
 Road, brs. N. and S.  
 Leave wash, course S. Bank of wash, 10 ft. high, brs. N. and S. Asc. 40 ft. to  
 The cor. of Tps. 11 and 12 N., Rs. 16 and 17 W.  
 Land, rolling and broken.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, iron wood and sagebrush.

Boundaries of T. 11 N., R. 17 W.

Latitudes, departures and closing errors.

| Line designated.                     | True bearing. | Dist. chs. | Latitudes. |         | Departures. |         |
|--------------------------------------|---------------|------------|------------|---------|-------------|---------|
|                                      |               |            | N. chs.    | S. chs. | E. chs.     | W. chs. |
| South Boundary.                      | N.89° 58' W.  | 479.06     | .27        |         |             | 479.06  |
| West Boundary.                       | North.        | 480.00     | 480.00     |         |             |         |
| North Boundary.                      | N.89° 58' E.  | 478.50     | .24        |         | 478.50      |         |
| East Boundary<br>(4th Guide Mer. W.) | South         | 480.00     |            | 480.00  |             |         |
| Convergency.                         |               |            |            |         | .50         |         |
| Totals.                              |               |            | 480.51     | 480.00  | 479.00      | 479.06  |
|                                      |               |            | 480.00     |         |             | 479.00  |
| Error in latitude.                   |               |            | .51        |         |             |         |
| Error in departure.                  |               |            |            |         |             | .06     |

Fractional North boundary of fractional Township 11 North, Range 18W.71

Chains.

Survey commenced Dec. 22, 1915, and executed with Young and Sons' light aluminum transit No. 802, with South solar attachment. For description of instrument and certificate of approval, see Book "..." For tests of adjustment, see fractional east boundary of T. 10 N., R. 18W.

From the cor. of Tps. 11 and 12 N., Rs. 17 and 18 W., which is an iron post, hereinbefore described, West, on a true line, bet. secs. 1 and 36.

Over rolling land, through scattering undergrowth.

1.99 Wash, 50 lks. wide, 2 ft. deep, course S. Asc. 70 ft. to

7.40 Spur, slopes S. Desc. 80 ft. to

14.50 Center of wash, 2 chs. wide, 2 ft. deep, course S. Asc. 20 ft. to

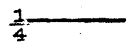
19.15 Desc. 40 ft. to

25.11 Center of wash, 3 chs. wide, 5 ft. deep, course SE. Asc. 25 ft. to

30.65 Desc. gradually.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

S36



S 1  
1915

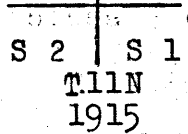
and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

Thence over rolling land.

63.60 Center of wash, 1 ch. wide, 2 ft. deep, course S.20° E.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 1, 2, 35 and 36, marked on brass cap

T12N R18W  
S35 | S36



and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Land, rolling  
Soil, gravelly and rocky; 3rd rate.  
No timber.  
Undergrowth, palo verde, greasewood, sagebrush and cactus.

West on a true line, bet. secs. 2 and 35.  
Over rolling land, through scattering undergrowth.

5.00 Desc. slightly to  
11.14 Wash, 50 lks. wide, 2 ft. deep, course SE. Asc. slightly to

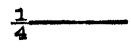
27.00 Spur, slopes SW. Desc. 45 ft. to

32.00 Asc. 25 ft. to

33.50 Desc. 105 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for 1/4 sec. cor., marked on brass cap

S35



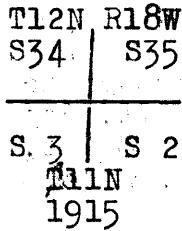
S 2  
1915

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

72 North boundary of fractional T. 11 N., R. 18 W.

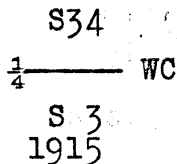
Chains.

51.08 Wash, 1 ch. wide, 5 ft. deep, course N. Asc. 135 ft. to  
 72.33 Spur, slopes N.20° E. Desc. 70 ft. to  
 77.22 Wash, 50 lks. wide, 10 ft. deep, course NE. Asc. 70 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the  
 ground, in a mound of stone, 3 ft. base, 2 ft. high,  
 for cor. of secs. 2, 3, 34 and 35, marked on brass cap

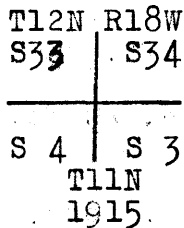


and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, rolling hills.  
 Soil, rocky; 3rd rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.

West on a true line, bet. secs. 3 and 34.  
 Over rolling hills, through scattering undergrowth.  
 Asc. 75 ft. to  
 2.97 Ridge, brs. N. and S. Low saddle in ridge, brs. S. 2 chs.  
 dist. Desc. 165 ft. to  
 8.54 Gulch, course SW. Asc. 50 ft. to  
 12.06 Spur, slopes S. Desc. 270 ft. to  
 23.85 Gulch, course SW. Asc. 125 ft. to  
 30.42 Spur, slopes S. Desc. 190 ft. to  
 40.00 Gulch, course S., impossible to set ¼ sec. cor. at this  
 point.  
 40.10 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the  
 ground, in a mound of stone, 3 ft. base, 2 ft. high,  
 for witness cor. to ¼ sec. cor., marked on brass cap,



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 N. of cor.  
 Asc. 150 ft. to  
 50.45 Desc. 195 ft. to  
 60.00 Asc. 135 ft. to  
 74.59 Spur, slopes N. Desc. 95 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 15 ins. in the  
 ground, in a mound of stone, 2 ft. base, 10 ins. high,  
 for cor. of secs. 3, 4, 33 and 34, marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, rolling hills.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.



Chains.

West, on a true line, bet. secs.4 and 33.  
Over rolling and broken land, thru.scattering undergrowth.

- Ascend 15 ft. to
- 0.15 Descend 85 ft.to
- 5.35 Ascend 65 ft.to
- 9.84 Spur,slopes N. Descend 145 ft.to
- 20.57 Center of wash, 2 chs.wide, 5 ft. deep, course SW.
- 33.19 Wash,course S.
- 38.19 Wash,course S. Ascend 75 ft.
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 10 ins. in dia:

the ground, in a mound of stone, 3 ft. base, 2 ft. high,  
for  $\frac{1}{4}$  sec.cor., marked on brass cap,

S 33  
 $\frac{1}{4}$  ———  
 S 4  
 1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
N.of cor.

- 46.13 Spur, slopes S. Descend 95 ft. to
- 55.99 Draw, course S. Ascend 60 ft. to
- 63.06 Ridge, brs.N. and S. Descend 90 ft.to
- 67.87 Draw, course S. Ascend 55 ft.to
- 73.86 Spur,slopes S. Descend 85 ft. to
- 78.70 Ascend slightly to
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam.,15 ins.in

the ground, in a mound of stone, 2 ft.base, 1 ft.high,  
for cor.of secs. 4 and 33, and fracl.secs.5 and 32,  
marked on brass cap,

T12N R18W  
 S32 | S33  
 ———  
 S 5 | S 4  
 T11N  
 1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,W.  
of cor.

Land, rolling and broken.  
Soil, gravelly, 4th rate.  
No timber.  
Undergrowth, palo verde, greasewood, sage brush and cactus.

West, on a true line, bet. fracl. secs.5 and 32.  
Over rolling land, thru.scattering undergrowth.

- Descend 85 ft. to
- 6.73 Center of wash, 3 chs.wide, 5 ft.deep, course SW.Ascend to
- 11.70 Descend 45 ft.to
- 21.50 Ascend 25 ft.to
- 35.45 Descend 75 ft.
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 24 ins. in the

ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap.

S 32  
 $\frac{1}{4}$  ———  
 S 5  
 1915

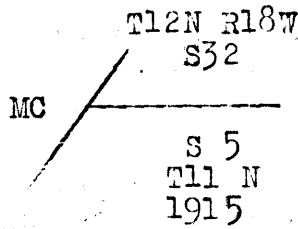
and raise a mound of stone,3 ft.base,  $2\frac{1}{2}$  ft.high,N.of  
cor.

- 45.00 Ascend 20 ft.to
- 46.25 Descend 35 ft.to
- 51.21 Enter bottom land of Colorado River, brs.NW. and SE.
- 56.21 Road brs.N. and S. to Parker.
- 63.37 Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in

the ground, on the left bank of the Colorado river,at  
mean high water mark for meander cor. of fracl.secs.5  
and 32, marked on brass cap,

74. North boundary of fracl. Township 11 North Range 18 West.

Chains.



Dig pit, 36x36x12 ins., 8 ft. E. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.  
 Land, level and rolling.  
 Soil, gravelly, 3rd rate.  
 Undergrowth, palo verde, greasewood, and sage brush.  
 No timber.

Boundaries of portion of fracl. Township 11 North, Range 18 West.

Latitudes, departures, and closing errors.

| Line designated.        | True course.        | Dist.  | Latitudes. |        | Departures. |        |
|-------------------------|---------------------|--------|------------|--------|-------------|--------|
|                         |                     |        | N.         | S.     | E.          | W.     |
| South boundary,         | West,               | 240.00 |            |        |             | 240.00 |
| Subdivisional boundary, | N.0°2'W.            | 400.00 | 400.00     |        |             | .23    |
|                         | West,               | 80.00  |            |        |             | 80.00  |
|                         | N.0°19'E.           | 79.75  | 79.75      |        | .23         |        |
| North boundary,         | East,               | 320.00 |            |        | 320.00      |        |
| East boundary,          | South,              | 480.00 |            | 480.00 |             |        |
| Convergency,            |                     |        |            |        | .25         |        |
| Totals,                 |                     |        | 479.75     | 480.00 | 320.48      | 320.23 |
|                         |                     |        |            | 479.75 | 320.23      |        |
|                         | Error in latitude,  |        |            | 0.25   |             |        |
|                         | Error in departure, |        |            |        | 0.25        |        |

Chains.

Survey commenced Jan. 12, 1916, and executed with Young and Sons' light mountain transit No. 8492, with Smith water attachment. For description of instrument and certificate of approval, see subdivision of T. 10 N., R. 17 W. For tests of adjustment, see fractional west boundary of T. 10 N., R. 15 W.

From the cor. of Tps. 11 and 12 N., Rs. 17 and 18 W., hereinbefore described,

North bet. secs. 31 and 36.

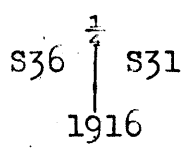
Over mountainous land, through scattering undergrowth.

Asc. 135 ft. to

19.89 Long spur, slopes SE. Desc. 85 ft. to

34.43 Wash, course SE. Asc. gradually.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

50.00 Asc. 160 ft. to

57.69 Asc. on spur from N.

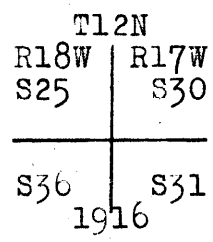
64.47 Top of ascent; leave spur, from NE. Desc. 80 ft. to

69.30 Asc. 15 ft. to

71.40 Desc. 25 ft. to

76.40 Wash, course SW. Asc. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, cactus, greasewood and palo verde.

North bet. secs. 25 and 30.

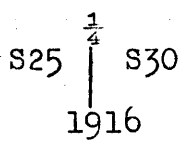
Over mountainous land, through scattering undergrowth.

Asc. 135 ft. to

19.82 Short spur, slopes SW. Desc. 50 ft. to

28.76 Wash, course SW. Asc. spur from N., 300 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Continue ascent to

56.90 Leave spur, comes from NE. Desc. 120 ft. to

66.88 Ravine, course SW. Asc. 155 ft to

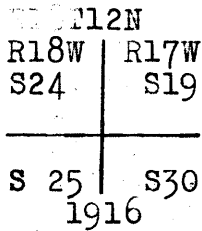
77.51 Spur, slopes W. Desc. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 19, 24, 25 and 30, marked on

West Boundary of T. 12 N., R. 17 W.

Chains.

brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, cactus, greasewood, palo verde and ocotillo.

North bet. secs. 19 and 24.

Over mountainous land, through scattering undergrowth.

6.65  
9.80  
14.02  
34.70  
40.00

Desc. 90 ft. to

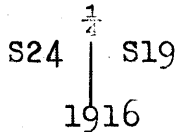
Ravine, course SW. Asc. 50 ft., along W. slope, to

Desc. 25 ft. to

Ravine, course SW. Asc. 385 ft. to

Desc. 70 ft. to

Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Asc. 170 ft. to

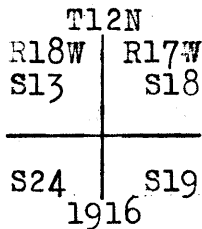
51.15  
66.33  
77.30  
80.00

Spur, slopes W. Desc. 255 ft. to

Ravine, course W. Asc. 180 ft., along W. slope, to

Desc. 35 ft. to

Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 13, 18, 19 and 24, marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde, cactus and ocotillo.

North bet secs. 13 and 18.

Over mountainous land, through scattering undergrowth.

14.30  
19.15  
25.48  
40.00

Asc. 290 ft., along broken W. slope, to

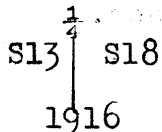
Desc. 35 ft. to

Asc. 120 ft. to

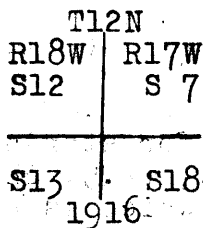
Spur, slopes NW. Desc. 295 ft.

Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap

chains.

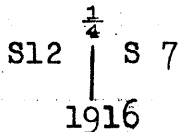


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 41.88 Ravine, course NW. Asc. 90 ft. to  
 51.85 Desc. 60 ft. to  
 55.75 Asc. 120 ft. to  
 62.18 Spur, slopes W. Desc. 50 ft. to  
 67.10 Asc. 20 ft. to  
 68.05 Desc. 60 ft. to  
 70.94 Ravine course SW. Asc. 230 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 7, 12, 13 and 18, marked on brass cap

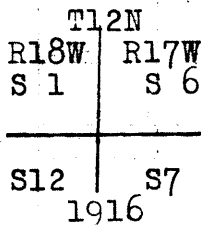


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, cactus, greasewood, palo verde and ocotillo.

North bet. secs. 7 and 12.  
 Over mountainous land, through scattering undergrowth.  
 2.60 Asc. 95 ft. to  
 6.10 Desc. 30 ft. to  
 17.20 Asc. 125 ft. to  
 Main divide, brs. NW. and SE. Desc. 240 ft. to  
 39.01 Ravine, course NW. Asc. 115 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 48.82 Spur, slopes N. Desc. along broken W. slope of spur, 430 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7 and 12 and fract. secs. 1 and 6, marked on brass cap

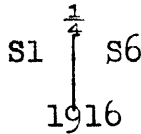


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus and ocotillo.

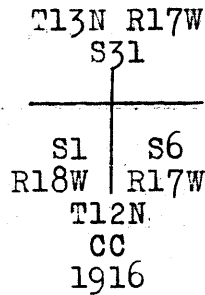
West Boundary of T. 12 N., R. 17 W.

chains.

North bet. fract. secs. 1 and 6.  
 Over mountainous land, through scattering undergrowth.  
 Desc. 85 ft. to  
 Asc. 60 ft. to  
 11.85 Desc. 255 ft. to  
 18.85  
 32.18 Ravine, course NE. Asc. 225 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor.  
 43.00 Spur, slopes NE. Thence along E. slope to  
 49.60 Spur, slopes NE. Desc. 160 ft. to  
 55.14 Ravine, course NE. Asc. 90 ft. to  
 58.50 Desc. 35 ft. to  
 60.28 Intersect the Third Standard Parallel North, 4.42 chs. E.  
 of the true point for standard  $\frac{1}{4}$  sec. cor. of sec. 31,  
 T. 13 N., R. 17 W., (4.57 chs. E. of the witness cor. to  
 std.  $\frac{1}{4}$  sec. cor., which is a granite stone, 4 X 6 X 10  
 ins. above ground, marked and witnessed as described by  
 the Surveyor-General.) (Established under Group 42.)  
 At the point of intersection, set an iron post, 3 ft. long,  
 3 ins. diam., in a mound of stone, for closing cor. of  
 Ts. 12 N., Rs. 17 and 18 W., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 S. of cor.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, and ocotillo.

Boundaries of T. 12 N., R. 17 W.  
 Latitudes, departures and closing errors.

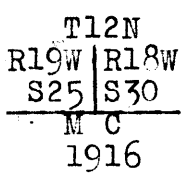
| Line designated.                      | True bearing. | Dist.<br>chs. | Latitudes.       |            | Departures.      |            |
|---------------------------------------|---------------|---------------|------------------|------------|------------------|------------|
|                                       |               |               | N.<br>chs.       | S.<br>chs. | E.<br>chs.       | W.<br>chs. |
| South Boundary.                       | S. 89° 58' W. | 478.50        | .24              | .24        |                  | 478.50     |
| West Boundary.                        | North.        | 460.28        | 460.28           |            |                  |            |
| North Boundary.<br>(3rd Std. Par. N.) | East.         | 478.51        |                  |            | 478.51           |            |
| East Boundary.<br>(4th Guide Mer. W)  | South.        | 460.02        |                  | 460.02     |                  |            |
| Convergency.                          |               |               |                  |            | .50              |            |
| Totals.                               |               |               | 460.28<br>460.26 | 460.26     | 478.01<br>478.50 | 478.50     |
| Error in latitude                     |               |               | .02              |            |                  |            |
| Error in departure                    |               |               |                  |            | .51              |            |

West Boundary of Fractional T. 12 N., R. 18 W. 79

Chains.

From the cor. of secs. 19 and 24, and fracl. secs. 25 and 30, which is an iron post, described in Book "F", South on a true line, bet. fracl. secs. 25 and 30. Over rolling land, through scattering undergrowth.

11.70 Asc. to  
 16.70 Spur, slopes SE. Desc. 45 ft. to  
 21.64 Enter level land, and dense undergrowth, brs. NW. and SE.  
 34.00 Road, brs. E. and W.  
 37.60 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, on the left bank of the Colorado River, 10 ft. high, for meander cor. of fracl. secs. 25 and 30, marked on brass cap

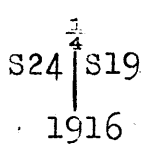


dig a pit, 36 X 36 X 12 ins., 8 ft. N. of post; and raise a mound of earth, 4 ft. base, 2 ft high, N. of cor.

Land, rolling.  
 Soil, 1st rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, palo verde and cactus.

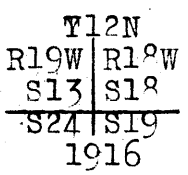
From the cor. of secs. 19 and 24, and fracl. secs. 25 and 30, which is an iron post, described in Book "F", North bet. secs. 19 and 24. Over mountainous land, through scattering undergrowth. Asc. 135 ft. to

15.00 Spur, slopes SW. Desc. 150 ft. to  
 34.65 Wash, course SW. Asc. 250 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

62.25 Spur, slopes SW. Desc. 50 ft. to  
 70.55 Ravine, course SW. Asc. 135 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 13, 18, 19 and 24, marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

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

## 80. West Boundary of Fractional T. 12 N., R. 18 W.

Chains.

Undergrowth, greasewood, cactus and palo verde.

- North bet. secs. 13 and 18.  
Over mountainous land, through scattering undergrowth.  
Desc. 100 ft. to  
15.45 Center of wash, 1 ch. wide, 5 ft. deep, course SW. Asc.  
slightly to  
24.20 Thence over rolling land.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \text{S13} \mid \text{S18} \\ \hline 1916 \end{array}$$

- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W.  
of cor.  
61.00 Center of wash, 2 chs. wide, 5 ft. deep, course SW.  
75.50 Center of wash, 1 ch. wide, 5 ft. deep, course SW.  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 7, 12, 13 and 18, marked on  
brass cap

$$\begin{array}{c} \text{T12N} \\ \text{R19W} \mid \text{R18W} \\ \hline \text{S12} \mid \text{S 7} \\ \hline \text{S13} \mid \text{S18} \\ \hline 1916 \end{array}$$

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W.  
of cor.  
Land, mountainous and rolling.  
Soil, rocky, 4th rate; and gravelly, 3rd rate.  
No timber.  
Undergrowth, palo verde, greasewood, sagebrush and cactus.

- North bet. secs. 7 and 12.  
Over rolling land, through scattering undergrowth.  
35.30 Center of wash, 1 ch. wide, 10 ft. deep, course SW.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \text{S12} \mid \text{S 7} \\ \hline 1916 \end{array}$$

- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W.  
of cor.  
51.00 Center of wash, 2 chs. wide, 5 ft. deep, course SW.  
65.50 Center of wash, 1 ch. wide, 2 ft. deep, course SW.  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 7, and 12 and fractional secs 1  
and 6, marked on brass cap

$$\begin{array}{c} \text{T12N} \\ \text{R19W} \mid \text{R18W} \\ \hline \text{S 1} \mid \text{S 6} \\ \hline \text{S12} \mid \text{S 7} \\ \hline 1916 \end{array}$$

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W.  
of cor.



West boundary of fracl Township 12 North Range 18 West 81

Chains, Land, gently rolling.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, palo verde, greasewood, sage brush and cactus.

---

North, bet. fracl. secs. 1 and 6.  
Over rolling land, thru scattering undergrowth.  
15.00 Center of wash, 1 ch. wide, 2 ft. deep, course SW.  
35.50 Center of wash, 2 chs. wide, 5 ft. deep, course SW.  
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,

S 1 | S 6  
1916

and raise a mound of stone, 3 ft. base, 2  $\frac{1}{2}$  ft. high, W. of cor.

46.60 Old road brs. NE. and SW.  
60.08 Intersect Third standard Parallel North, 5.92 chs. E. of the standard  $\frac{1}{4}$  sec. cor. of sec. 31, T. 13 N., R. 18 W., which is an iron post, properly set, marked and witnessed as described by the surveyor general (established under Group 42).  
At the point of intersection,  
Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing cor. of T. 12 N., R. 18 W., and fracl. T. 12 N., R. 19 W., marked on brass cap,

T13N R18W  
S31 | S32  
CC  
S 1 | S 6  
R19W | R18W  
T12N  
1916

and raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor.  
Land, gently rolling.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, palo verde, greasewood, sage brush and cactus.

Boundaries of portion of fracl. T. 12 N., R. 18 W.  
Latitudes, departures, and closing errors.

| Line designated.                       | True bearing.       | Dist.  | Latitudes. |        | Departures. |        |
|----------------------------------------|---------------------|--------|------------|--------|-------------|--------|
|                                        |                     |        | N.         | S.     | E.          | W.     |
| South boundary,                        | West,               | 320.00 |            |        |             | 320.00 |
| Subdivisional                          | N. 0° 2' W.         | 80.00  | 80.00      |        |             | .05    |
|                                        | West,               | 80.00  |            |        |             | 80.00  |
|                                        | N. 0° 3' W.         | 80.00  | 80.00      |        |             | .07    |
|                                        | West,               | 78.35  |            |        |             | 778.35 |
| West boundary,                         | North,              | 300.08 | 300.08     |        |             |        |
| North boundary,<br>(3rd. Std. Par. N.) | East,               | 478.50 |            |        | 478.50      |        |
| East boundary,                         | South,              | 460.28 |            | 460.28 |             |        |
| Convergency,                           |                     |        |            |        | .44         |        |
| Totals,                                |                     |        | 460.08     | 460.28 | 478.94      | 478.47 |
|                                        |                     |        |            | 460.08 | 478.47      |        |
|                                        | Error in latitude,  |        |            | 0.20   |             |        |
|                                        | Error in departure, |        |            |        | 0.47        |        |

West boundary of fracl. Township 12 North, Range 19 West. 83

Chains.

Commence at the meander cor. of fracl. secs. 6 and 7, T.12 N., R.19 W., which is an iron post, described in Book "G."

Thence on offset line.

Over level land, thru. dense undergrowth.

North, 13.10 chs.

Thence,

West, 17.40 chs., making the total westing from the cor. of secs. 5, 6, 7 and 8, 78.10 chs., to

Left bank of the Colorado River, 10 ft. high.

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for meander cor. of fracl. secs. 1 and 6, marked on brass cap,

|       |      |      |
|-------|------|------|
|       | T12N |      |
| R20W  |      | R19W |
| S 1   |      | S 6  |
| ----- |      |      |
| M C   |      |      |
| 1916  |      |      |

Dig a pit, 36x36x12 ins., 8 ft. N. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Thence, on west bdy. of Tp.,

North, bet. fracl. secs. 1 and 6, continuing measurement.

Over level bottom land, thru. dense undergrowth.

29.87 Leave bottom land, brs. SE. and W. Thence over rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for sec. cor., marked on brass cap,

|       |     |     |
|-------|-----|-----|
|       | 1/4 |     |
| S 1   |     | S 6 |
| ----- |     |     |
| 1916  |     |     |

And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

60.12 Left bank of wash, course S. 80° W.

Intersect Third Standard Parallel North, 6.22 chs. E. of the Standard meander cor. to fracl. sec. 31, T.13 N., R.

19 W., which is an iron post, properly set, marked and

witnessed as described by the Surveyor General. (Established under Group 42).

At the point of intersection,

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing cor. of fracl. Ts. 12 N., Rs. 19 and 20 W., marked on brass cap,

|      |      |
|------|------|
| T13N | R19W |
| S31  |      |

|       |  |      |
|-------|--|------|
| S1    |  | S6   |
| R20W  |  | R19W |
| ----- |  |      |
| T12N  |  |      |
| CC    |  |      |
| 1916  |  |      |

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

Land, level and rolling.

Soil, 1st rate on bottom land; 4th rate on rolling land.

No timber.

Undergrowth, greasewood, palo verde, catclaw and cactus.

Boundaries of portion of fractional T.12 N., R. 19 W.  
 Latitudes, departures, and closing errors.

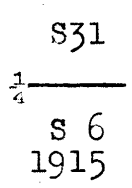
| Line designated.                       | True bearing.       | Dist.  | Latitudes. |        | Departures. |        |
|----------------------------------------|---------------------|--------|------------|--------|-------------|--------|
|                                        |                     |        | N.         | S.     | E.          | W.     |
| Subdivisional<br>boundary,             | West,               | 160.00 |            |        |             | 160.00 |
|                                        | N. 0° 1' W.         | 80.00  | 80.00      |        |             | .02    |
|                                        | West,               | 80.00  |            |        |             | 80.00  |
|                                        | N. 0° 2' W.         | 80.00  | 80.00      |        |             | .05    |
|                                        | West,               | 220.70 |            |        |             | 220.70 |
|                                        | North,              | 13.10  | 13.10      |        |             |        |
|                                        | West,               | 17.40  |            |        |             | 17.40  |
| West boundary,                         | North,              | 47.02  | 47.02      |        |             |        |
| North boundary,<br>(3rd. Std. Par. N.) | East,               | 478.10 |            |        | 478.10      |        |
| East boundary,                         | South,              | 220.08 |            | 220.08 |             |        |
| Convergency,                           |                     |        |            |        |             | .10    |
| Totals.                                |                     |        | 220.12     | 220.08 | 478.20      | 478.17 |
|                                        |                     |        | 220.08     |        | 478.17      |        |
|                                        | Error in latitude,  |        | 0.04       |        |             |        |
|                                        | Error in departure, |        |            |        | 0.03        |        |

Chains.

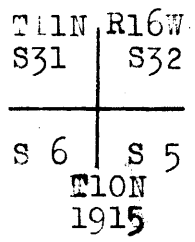
Survey commenced Nov. 10, 1915, and executed with Young and Sons' light mountain transits Nos. 3611 and 8492, with Smith solar attachments. For description of instrument No. 3611, certificate of approval and tests of adjustment, see Book "A". For description of instrument No. 8492, certificate of approval and tests of adjustment, see subdivision of T. 10 N., R. 17 W.

From the cor. of Tps. 10 and 11 N., Rs. 16 and 17 W., on the Fourth Guide Meridian West, which is an iron post, ~~hereinbefore described,~~

- 5.62 East on a true line, bet. secs. 31 and 6.
- 28.17 Over mountainous land, through scattering undergrowth. Desc. 360 ft.
- 36.23 One inch pipe line, runs N. from tank located 10 chs. SW. Gulch, course N. Road in gulch, brs. N. and S. Asc. W. slope of spur, dotted with shafts of Planet Mine, to
- 39.01 Spur, slopes NW. From this point, Planet Mine shaft "A" brs. S.  $58\frac{1}{4}^\circ$  W., 20 chs. dist. Shaft "B" brs. S.  $56\frac{1}{2}^\circ$  W. 15 chs. dist. The SE. cor. of Planet Store brs. N.  $4^\circ$  W., 25 chs. dist. Desc. 250 ft.
- 43.64 Set an iron post, 3 ft long, 1 in. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for  $\frac{1}{4}$  sec. cor., marked on brass cap



- 56.90 and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor. Impossible to build mound to N.
- 60.78 Gulch, 1 ch. wide, 5 ft. deep, course N. Road in gulch, brs. N. and S. Asc. 130 ft. to
- 64.30 Desc. 65 ft. to
- 69.85 Center of wash, 1 ch. wide, 10 ft. deep, course N. Planet Mine Shaft brs. S. 50 lks. dist. Asc. 50 ft. to
- 72.03 Desc. 50 ft. to
- 76.75 Asc 85 ft.
- 79.01 Point between two shafts, one brs. N. and one S., both 50 lks. dist.
- Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 5, 6, 31 and 32, marked on brass cap



- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.
- Land, mountainous.
- Soil; rocky; 4th rate; malpais formation.
- No timber.
- Undergrowth, palo verde, greasewood and sagebrush.
- No grass.

- 8.77 East on a true line, bet. secs. 5 and 32.
- 9.90 Over broken land, through scattering undergrowth. Desc. 100 ft. to
- 14.85 Center of wash, 1 ch. wide, 20 ft. deep, course N. Asc. 15 ft. to
- Desc. 120 ft. to
- Asc. 35 ft. to

Chains.

17.50 Desc. 25 ft. to  
 26.17 Enter wash, course N.  
 33.84 Leave wash, course N. Thence over rolling land.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, 10 ins. high, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S32

$\frac{1}{4}$

S 5  
1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.

57.35 Center of wash, 1 ch. wide, 2 ft. deep, course N. Asc. 90 ft. to

66.90 Desc. 55 ft. into wash, course N.

80.00 Leave wash, course N.

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked on brass cap

|      |      |
|------|------|
| T11N | R16W |
| S32  | S33  |

|      |     |
|------|-----|
| S 5  | S 4 |
| T10N |     |
| 1915 |     |

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, W. of cor.

Land, rolling and broken.

Soil, rocky; 4th rate; granite formation.

No timber.

Undergrowth, palo verde, greasewood and cactus.

No grass. North drainage.

East on a true line, bet. secs. 4 and 33.  
Over rolling and broken land, through scattering undergrowth.

7.15 Desc. 90 ft. to  
11.97 Gulch, 50 lks. wide, 10 ft. deep, course N. Asc. 75 ft. to

22.25 Desc. 70 ft. to

27.13 Enter wash, course N.

32.13 Leave wash, course N. Asc. 75 ft. to

36.95 Thence along N. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, 10 ins. high, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S33

$\frac{1}{4}$

S 4  
1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.

42.25 Asc. 55 ft. to

45.48 Desc. 85 ft. to

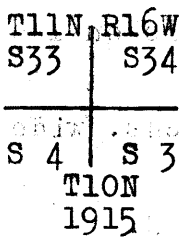
Center of wash, 1 ch. wide, 20 ft. deep, course N. Asc. 85 ft. to

47.25 Desc. 120 ft. to

59.97 Center of gulch, 1 ch. wide, 10 ft. deep, course N. Asc. 25 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked on brass cap

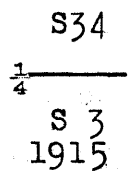
Chains.



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, rolling and broken.  
Soil, gravelly and rocky; 3rd rate.  
No timber.  
Undergrowth, palo verde, greasewood and cactus.  
No grass. North drainage.

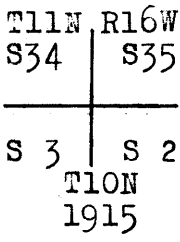
East on a true line, bet. secs. 3 and 34.  
Over rolling and broken land, through scattering undergrowth.

- 5.36 Enter wash, course N.
- 10.34 Leave wash, course N. Asc. 30 ft., along N. slope to
- 21.04 Desc. 35 ft. into wash, course N.
- 26.04 Leave wash, 20 ft. deep, course N. Asc. 25 ft. to
- 28.00 Desc. 80 ft., into wash, course N.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
N. of cor.

- 44.87 Leave wash, course N. Asc. 95 ft. to
- 48.55 Desc. 85 ft. to
- 54.38 Center of wash, 2 chs. wide, 20 ft. deep, course N. Dim  
road, brs. N. and S. Asc. 55 ft. to
- 56.40 Thence along N. slope to
- 61.38 Desc. 55 ft., into wash, course N.
- 67.80 Dim road, brs. N. and S. to Swansea.
- 76.28 Leave wash, course N. Asc. 45 ft. to
- 76.70 Thence along N. slope to
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 2, 3, 34 and 35, marked on  
brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, rolling and broken.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, palo verde, greasewood and cactus.  
No grass. North drainage.

East on a true line, bet. secs. 2 and 35.

Chains.

Over rolling and broken land, through scattering undergrowth.  
 Asc. 20 ft. to  
 6.25 Desc. 75 ft. to  
 12.63 Center of wash, 2 chs. wide, 10 ft. deep, course N. Asc.  
 60 ft. to  
 15.80 Desc. 55 ft. to  
 17.62 Enter wash, course N.  
 27.54 Leave wash, course N. Asc. 40 ft. to  
 29.55 Thence along N. slope to  
 34.55 Desc. 60 ft. to  
 40.00 Enter level land, brs. N. and S.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S35

$\frac{1}{4}$

S 2  
1915

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.  
 dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.  
 high, N. of cor.

44.30 Wire fence, brs. N. and S. Corners 1 ch. N. and runs NE.  
 20 chs., also corners 20 chs. S. and runs E. Enter  
 Lowell's field.

58.98 Four strand fence brs. N. and S.

61.38 From this point, house of Thos. M. Lowell brs. S. 8 chs.  
 dist.

68.68 Road, brs. NE. to Bill Williams River and SW. to Lowell's  
 house.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 1, 2, 35 and 36, marked on  
 brass cap

T11N R16W  
S35 | S36

S 2 | S 1  
T10N  
1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
 W. of cor.

Land, broken, rolling and level.

Soil, 1st 40.00 chs., gravelly; 3rd rate; last 40.00 chs.  
 sandy soil, white alkali, 2nd rate.

No timber.

Undergrowth, palo verde, mesquite, greasewood and sage-  
 brush.

Some bunch grass. North drainage.

East on a true line, bet. secs. 1 and 36.

Over level bottom land, through scattering undergrowth.

5.00 Asc. 125 ft. to

13.66 Short spur, slopes N. Desc. 75 ft. to

19.37 Ravine, course NW. Asc. 140 ft. to

29.93 Short spur, slopes N. Desc. 70 ft. to

35.82 Ravine, course N. Asc. 200 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S36

$\frac{1}{4}$

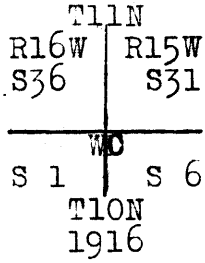
S 1  
1916

North Boundary of T. 10 N., R. 16 W.

Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor.  
 51.00 Spur, slopes N. Desc. 120 ft. to  
 55.32 Ravine, course N. Asc. 105 ft. to  
 72.58 Spur, slopes N. Desc. 175 ft. to  
 78.82 Ravine, course NW. Asc. 175 ft. to  
 80.00 Point for cor. of Tps. 10 and 11 N., Rs. 15 and 16 W.  
 falls on side of cliff, where it is impossible to set  
 cor.

Thence  
 North, bet. secs. 31 and 36, ascending 45 ft. to  
 1.10 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
 stone, for witness cor. to cor. of Tps. 10 and 11 N.,  
 Rs. 15 and 16 W., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 S. of cor.  
 Land, level and mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus and ocotillo.



Chains.

Survey commenced Feb. 15, 1916, and executed with Young and Sons' light and transit No. 5742, with Smith color attachment. For description of instrument, and certificate of approval, see subdivision of T. 10 N., R. 16 W. For costs of adjustment, see subdivision of Fractional T. 12 N., R. 19 W.

From the true point for cor. of Tps, 10 and 11 N., Rs. 15 and 16 W., 1.10 chs. S. of the witness cor. to cor. of Tps. 10 and 11 N., Rs. 15 and 16 W., hereinbefore described,

South bet. secs. 1 and 6.

Over mountainous land, through scattering undergrowth.

Desc. 115 ft. to

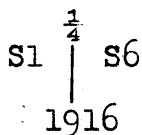
1.15 Ravine, course NW. Asc. 215 ft. to

25.51 Spur, slopes N.10° W. Desc. 75 ft. to

28.71 Ravine, course W. Asc. 85 ft. to

35.36 Spur, slopes NW. Desc. 110 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

43.57 Ravine, course NW. Asc. 45 ft. to

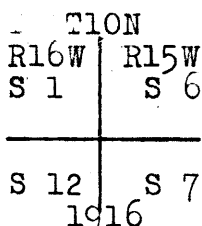
46.05 Desc. 55 ft. to

50.95 Asc. 60 ft. to

54.65 Desc. 40 ft. to

59.60 Asc. 115 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, ocotillo, palo verde and cactus.

South bet. secs. 7 and 12.

Over mountainous land, through scattering undergrowth.

Desc. 30 ft. to

4.98 Ravine, course NW. Asc. 75 ft. to

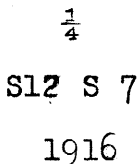
8.59 Spur, slopes NW. Desc. 90 ft. to

13.70 Asc. 50 ft. to

18.30 Desc. 30 ft. to

31.29 Ravine, course NW. Comes from SW. Asc. 525 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

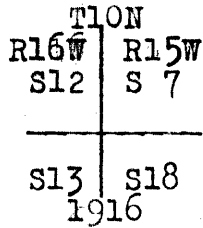


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,

Portion of the East boundary of Township 10 North, Range 16 West. 91

Chains.

51.36 W. of cor.  
 69.28 Ridge, brs. NE. and SW. Descend 255 ft. to  
 80.00 Ravine, course SE. Ascend 70 ft. to  
 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
 stone, for cor. of secs. 7, 12, 13 and 18, marked on brass  
 cap,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.  
 of cor.  
 Land, mountainous.  
 Soil, 4th rate/  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo and  
 catclaw.

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Boundaries of subdivided portion of Township 10 N., R. 16 W.  
 Latitudes, departures, and closing errors.

| Line designated.                     | True bearing.       | Dist.<br>chs. | Latitudes. |            | Departures. |            |
|--------------------------------------|---------------------|---------------|------------|------------|-------------|------------|
|                                      |                     |               | N.<br>chs. | S.<br>chs. | E.<br>chs.  | W.<br>chs. |
| Subdivisional<br>South boundary,     | Various             | 479.11        | .35        |            |             | 479.11     |
| West boundary<br>(4th. Guide Mer. W) | North,              | 160.00        | 160.00     |            |             |            |
| North boundary,                      | East,               | 479.01        |            |            | 479.01      |            |
| East boundary,                       | South,              | 160.00        |            | 160.00     |             |            |
| Convergency,                         |                     |               |            |            | .16         |            |
|                                      | Totals,             |               | 160.35     | 160.00     | 479.17      | 479.11     |
|                                      | Error in latitude,  |               | 160.00     |            | 479.11      |            |
|                                      | Error in departure, |               | .35        |            | .06         |            |

West half of the North Boundary of T. 10 N., R. 15 W.

Chains.

Survey of 1916, and correct it with a bar and spirit level in transit. See 5011 and 5012, also which some attachments. For description of 5011 and 5012, and certificate of approval, see 5011. For description of instrument No. 5012, and certificate of approval, see subdivision of T. 10 N., R. 15 W. For recent costs of instruments 5011 and 5012, see book "H".

From the true point for cor. of Tps. 10 and 11 N., Rs. 15 and 16 W., 1.10 chs. S. of the witness cor. to cor. of Tps. 10 and 11 N., Rs. 15 and 16 W., which is an iron post, hereinbefore described.

Thence

East on a true line, bet. secs. 6 and 31. Over mountainous land, through scattering undergrowth. Asc. 225 ft. to

- 13.51 Spur, slopes NW. Desc. 115 ft. to
- 18.21 Ravine, course N. Asc. 130 ft. to
- 25.00 Short spur, slopes N. Desc. 155 ft. to
- 28.86 Ravine, course N. Asc. 190 ft. to
- 35.78 Spur, slopes N. Desc. 250 ft.
- 39.01 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S31

$\frac{1}{4}$  ———

S 6

1916.

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

- 49.80 Asc. 20 ft. to
- 50.75 Desc. 170 ft. to
- 58.83 Ravine, course N. Asc. 90 ft. to
- 62.36 Spur, slopes N. Desc. 200 ft. to
- 79.01 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked on brass cap

T11N R15W

|     |     |
|-----|-----|
| S31 | S32 |
|-----|-----|

|     |     |
|-----|-----|
| S 6 | S 5 |
|-----|-----|

T10N

1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

Soil, 4th rate.

No timber.

Undergrowth, cactus, greasewood, ocotillo and palo verde.

East on a true line, bet. secs. 5 and 32. Over mountainous land, through scattering undergrowth. Desc. 55 ft. to

- 7.05 Left bank of Bill Williams River, 10 ft. high, brs. N. and S. Thence across Bill Williams River, 2 ft. deep.
- 11.25 Right bank of main channel of river, brs. N. and S. Thence over bottom land.
- 20.85 Leave river bottom, asc. 270 ft. to
- 38.79 Spur, slopes NW. Desc.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

Chains.

S32

$\frac{1}{4}$

S 5  
1916

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
N. of cor.

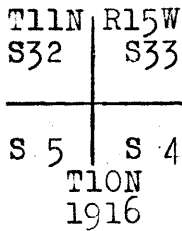
46.10 Asc. 120 ft. to

52.85 Desc. 45 ft. to

65.20 Asc. 15 ft. to

68.20 Low divide, brs. NW. and SE. Desc. 105 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
stone, for cor. of secs. 4, 5, 32 and 33, marked on  
brass cap



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
W. of cor.

Land, mountainous.

Soil, decomposed granite, 4th rate.

No timber.

Undergrowth, palo verde, greasewood, sagebrush and cactus.

Drainage, West.

East on a true line, bet. secs. 4 and 33  
Over broken land, through scattering undergrowth.

Asc. 20 ft. to

9.40 Desc. to

18.00 Wash, 50 lks. wide, 2 ft. deep, course N.70° W. Asc.  
125 ft. to

31.43 Spur, slopes S. Desc. 110 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S33

$\frac{1}{4}$

S 4  
1916

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
N. of cor.

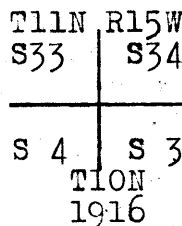
54.93 Shaft brs. S. 1 ch. dist.

59.27 Center of wash, 1 ch. wide, 5 ft. deep, course S. Asc.  
25 ft. to

63.75 Desc. 185 ft. to

79.50 Center of wash, 1 ch. wide, 2 ft. deep, course SW.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
stone, for cor. of secs. 3, 4, 33 and 34, marked on  
brass cap



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
W. of cor.

Land, broken.

Soil, decomposed granite; 4th rate.

West half off the North Boundary of T. 10 N., R. 15 W.

Chains.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.

---

Boundaries of Subdivided portion of Tp. 10 N., R. 16 W.  
 Latitudes, departures and closing errors.

| Line designated.    | True bearing. | Dist.<br>chs. | Latitudes. |            | Departures. |            |
|---------------------|---------------|---------------|------------|------------|-------------|------------|
|                     |               |               | N.<br>chs. | S.<br>chs. | E.<br>chs.  | W.<br>chs. |
| Subdivisional       | N. 89° 58' W. | 80.06         | .05        |            |             | 80.06      |
| South boundary.     | S. 89° 52' W. | 79.93         |            | .19        |             | 79.93      |
| S. 89° 53' W.       | N. 89° 53' W. | 79.15         | .16        |            |             | 79.15      |
| West Boundary.      | North.        | 160.00        | 160.00     |            |             |            |
| North Boundary.     | East.         | 239.01        |            |            | 239.01      |            |
| Subdivisional.      |               |               |            |            |             |            |
| East boundary.      | S. 0° 02' E.  | 160.00        |            | 160.00     | .09         |            |
| Convergency.        |               |               |            |            | .08         |            |
| Totals,             |               |               | 160.21     | 160.19     | 239.18      | 239.14     |
|                     |               |               | 160.19     |            | 239.14      |            |
| Error in latitude.  |               |               | .02        |            |             |            |
| Error in departure. |               |               |            |            | .04         |            |

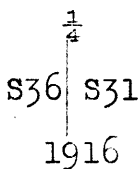
East Boundary of T. 11 N., R.16 W.

chains.

From the witness cor. to cor. of Tps. 10 and 11 N., Rs. 15 and 16 W., which is an iron post, set 1.10 chs. N. of the true point for cor. of Tps. 10 and 11 N., Rs. 15 and 16 W., hereinbefore described.

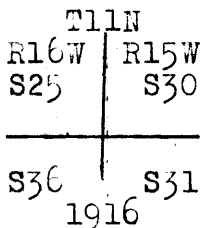
North betw secs. 31 and 36, continuing measurement. Over mountainous land, through scattering undergrowth. Along broken W. slope to

- 3.10 Desc. 175 ft. to
- 20.37 Ravine, course NE. Asc. 75 ft. to
- 33.56 Spur, slopes NE. Desc. 135 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

- 44.30 Left bank of Bill Williams River, brs. NE. and SW. Thence across Bill Williams River, 2 ft. deep, course W.
- 47.30 Leave water of Bill Williams River; course W. Thence across dry bed of river.
- 63.60 Right bank of Bill Williams River, brs. E. and W. Thence over level bottom land, through dense undergrowth.
- 80.00 Edge of bottom land, brs. NW. and SE. Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap

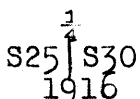


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous and level. Soil, 1st half mile, rocky; 4th rate; last half mile, sandy; 1st rate. No timber. Undergrowth, greasewood, palo verde, cactus, ocotillo and cat claw.

North bet. secs. 25 and 30. Over mountainous land, through scattering undergrowth. Asc. 290 ft. to

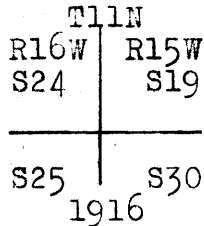
- 5.14 Top of ascent; thence along broken W. slope. Desc. 55 ft. to
- 10.05 Asc. 20 ft. to
- 16.80 Desc. 30 ft. to
- 21.80 Asc. 50 ft. to
- 36.85 Desc. 180 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



Chains.

80.00

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Continue descent along W. slope to  
 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 19, 24, 25 and 30, marked on brass cap



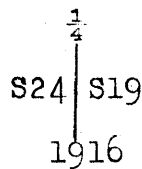
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, cactus, palo verde, ocotillo and cat claw.

5.00

24.70

40.00

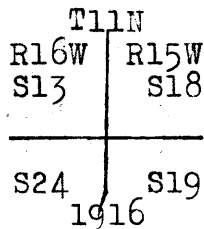
North bet. secs. 19 and 24.  
 Over mountainous land, through scattering undergrowth.  
 Desc. to  
 Wash, course SW. Comes from NW. Asc. 135 ft. to  
 Thence over rolling land.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



64.49

80.00

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Same wash, course S.10° W. Asc. 75 ft. to  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap



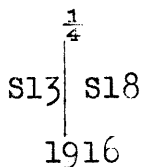
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, mountainous and rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo, cat claw and mesquite.

40.00

North bet. secs. 13 and 18.  
 Over rolling land, through scattering undergrowth.  
 Asc. gradually to  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

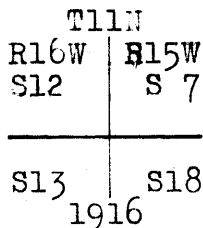
East Boundary of T. 11 N., R. 16 W.

Chains.



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

- Asc. gradually to
- 65.00 Desc. 40 ft. to
- 72.00 Asc. 15 ft. to
- 74.00 Desc. 40 ft. to
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap

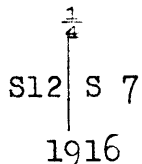


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling and broken.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo and mesquite.

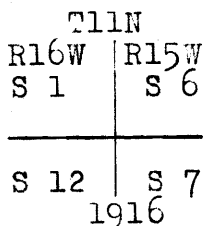
North bet. secs. 7 and 12.  
 Over rolling and mountainous land, through scattering undergrowth.

- Asc. 70 ft. to
- 19.45 Desc. 55 ft. to
- 24.40 Center of wash, 5.00 chs. wide, course SW. Asc. 55 ft. to
- 40.00 Spur, slopes SW.
- Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

- Desc. 45 ft. to
- 45.00 Ravine, course SW. Asc. 60 ft. to
- 53.20 Spur, slopes SW. Desc. 50 ft. to
- 63.95 Ravine, course SW. Asc. to
- 64.50 Desc. to
- 66.90 Same ravine, course SE. Asc. to
- 73.00 Desc. to
- 80.00 Same ravine, course SW.
- Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 1, 6, 7 and 12, marked on brass cap

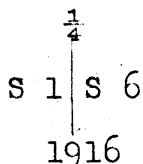




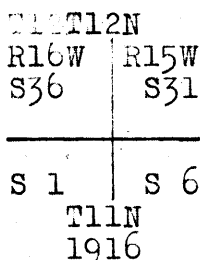
Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Land, rolling and mountainous.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo,  
 mesquite and cat claw.

5.00 North bet. secs. 1 and 6.  
 9.95 Over rolling land, through scattering undergrowth.  
 25.00 Asc. 40 ft. to  
 40.00 Desc. 25 ft. to  
 Asc. 55 ft. to  
 Spur, slopes SW. Desc. 90 ft.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor., marked on brass cap



45.96 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 55.60 W. of cor.  
 65.60 Ravine, course SW. Asc. 45 ft. to  
 80.00 Spur, slopes SW. Desc. 45 ft. to  
 Wash, course SW. Asc. 35 ft. to  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of Tps. 11 and 12 N., Rs. 15 and 16 W.,  
 marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 S. of cor.  
 Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, cactus, greasewood, ocotillo, paloverde,  
 iron wood, mesquite and cat claw.

North Boundary of T. 11 N., R. 16 W.

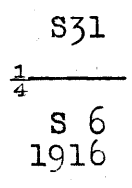
Chains

From the cor. of Tps. 11 and 12 N., Rs. 15 and 16 W., which is an iron post, hereinbefore described,

West on a random line, along the N. bdy. of Tp. 11 N., R. 16 W., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs.; and at 478.38 chs., intersect the 4th Guide Meridian West, 27 lks. S. of the cor. of Tps. 11 and 12 N., Rs. 16 and 17 W., which is an iron post, hereinbefore described, The falling answers to a correction of 0° 02', or 5 lks. N. per mile, counting from the NE. cor. of the Tp.; therefore

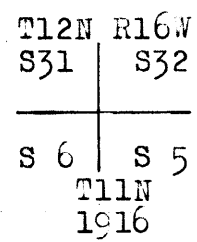
3.50  
18;38  
38.38

S.89° 58' E., on a true line, bet. secs. 6 and 31. Over rolling land, through scattering undergrowth. Desc. 35 ft. to Wash, course SW. Asc. 95 ft. to Thence over gently rolling land. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



40.88  
63.98  
78.38

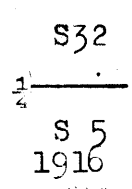
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Wash, course SW. Wash, course SW. Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, rolling and gently rolling. Soil, 3rd rate. No timber. Undergrowth, greasewood, palo verde, mesquite, cactus, ironwood, ocotillo and sagebrush.

40.00

S.89° 58' E., on a true line, bet. secs. 5 and 32. Over rolling land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

102

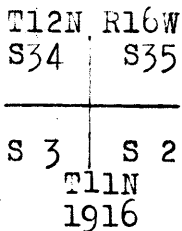
North Boundary of T. 11 N., R. 16 W.

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----|-----|-----|------|-----|-----|------|--|------|--|
| chains.<br>80.00 | <p>Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked on brass cap</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>T12N</td><td>R16W</td></tr> <tr><td>S32</td><td>S33</td></tr> <tr><td colspan="2" style="text-align: center;">—</td></tr> <tr><td>S 5</td><td>S 4</td></tr> <tr><td colspan="2" style="text-align: center;">T11N</td></tr> <tr><td colspan="2" style="text-align: center;">1916</td></tr> </table> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>Land, rolling.<br/>Soil, 3rd rate.<br/>No timber.<br/>Undergrowth, greasewood, cactus, ocotillo, palo verde, mesquite, ironwood and cat claw.</p> <p style="text-align: center;">"</p> | T12N | R16W | S32 | S33 | —   |      | S 5 | S 4 | T11N |  | 1916 |  |
| T12N             | R16W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |     |     |     |      |     |     |      |  |      |  |
| S32              | S33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |     |     |     |      |     |     |      |  |      |  |
| —                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| S 5              | S 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |     |     |     |      |     |     |      |  |      |  |
| T11N             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| 1916             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| 23.00<br>40.00   | <p>S.89° 58' E., on a true line, bet. secs. 4 and 33. Over rolling land, through scattering undergrowth. Road, brs. NE. to Yucca and SW.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>S33</td></tr> <tr><td colspan="2" style="text-align: center;">—</td></tr> <tr><td>¼</td></tr> <tr><td>S 4</td></tr> <tr><td>1916</td></tr> </table> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.</p> <p>Thence across wash, course S.</p>                                                                                                                                                                           | S33  | —    |     | ¼   | S 4 | 1916 |     |     |      |  |      |  |
| S33              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| —                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| ¼                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| S 4              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| 1916             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| 56.90<br>80.00   | <p>Leave wash, course S.</p> <p>Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked on brass cap</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>T12N</td><td>R16W</td></tr> <tr><td>S33</td><td>S34</td></tr> <tr><td colspan="2" style="text-align: center;">—</td></tr> <tr><td>S 4</td><td>S 3</td></tr> <tr><td colspan="2" style="text-align: center;">T11N</td></tr> <tr><td colspan="2" style="text-align: center;">1916</td></tr> </table> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>Land, rolling.<br/>Soil, 3rd rate.<br/>No timber.<br/>Undergrowth, greasewood, palo verde, cactus, ocotillo, mesquite and ironwood.</p>                   | T12N | R16W | S33 | S34 | —   |      | S 4 | S 3 | T11N |  | 1916 |  |
| T12N             | R16W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |     |     |     |      |     |     |      |  |      |  |
| S33              | S34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |     |     |     |      |     |     |      |  |      |  |
| —                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| S 4              | S 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |     |     |     |      |     |     |      |  |      |  |
| T11N             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| 1916             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| 40.00            | <p>S.89° 58' E., on a true line, bet. secs. 3 and 34. Over rolling land, through scattering undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>S34</td></tr> <tr><td colspan="2" style="text-align: center;">—</td></tr> <tr><td>¼</td></tr> <tr><td>S 3</td></tr> <tr><td>1916</td></tr> </table>                                                                                                                                                                                                                                                                                                                       | S34  | —    |     | ¼   | S 3 | 1916 |     |     |      |  |      |  |
| S34              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| —                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| ¼                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| S 3              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |
| 1916             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |     |     |     |      |     |     |      |  |      |  |

North Boundary of T. 11 N., R. 16 W.

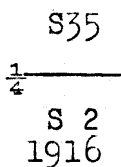
chains.

75.00 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 80.00 N. of cor.  
 Wash, course S.  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 2, 3, 34 and 35, marked on  
 brass cap

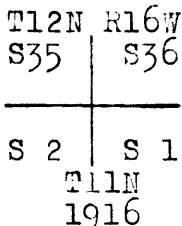


and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo,  
 ironwood and mesquite.

S.89° 58' E., on a true line, bet. secs. 2 and 35.  
 Over rolling land, through scattering undergrowth.  
 Desc. slightly to  
 6.80 Wash, course SW. Asc. to  
 6.95 Desc. 40 ft. to  
 11.90 Asc. 40 ft. to  
 16.85 Desc. 30 ft. to  
 35.00 Wash, course S. Asc. 65 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor.  
 44.70 Desc. 40 ft. to  
 54.20 Asc. 50 ft. to  
 60.35 Desc. 60 ft. to  
 70.00 Asc. 25 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 1, 2, 35 and 36, marked on  
 brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, mesquite,  
 ocotillo, ironwood and cat claw.

Chains. S. 89° 58' E., on a true line, bet. secs. 1 and 36.  
 Over rolling land, through scattering undergrowth.  
 Desc. gradually to  
 11.00 Center of wash, 5 chs. wide, course SW. Asc. 115 ft. to  
 30.00 Desc. 40 ft. to  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S36  
 $\frac{1}{4}$  ———  
 S 1  
 1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
 N. of cor.  
 Asc. 60 ft. to  
 51.00 Desc. 70 ft. to  
 60.00 Asc. 30 ft. to  
 80.00 The cor. of Tps. 11 and 12 N., Rs. 15 and 16 W.  
 Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, mesquite,  
 ocotillo, ironwood and cat claw.

Boundaries of T. 11 N., R. 16 W.

Latitudes, departures and closing errors.

| Line designated.                      | True bearing. | Dist.<br>chs. | Latitudes. |                  | Departures. |                  |
|---------------------------------------|---------------|---------------|------------|------------------|-------------|------------------|
|                                       |               |               | N.<br>chs. | S.<br>chs.       | E.<br>chs.  | W.<br>chs.       |
| South Boundary.                       | West.         | 479.01        |            |                  |             | 479.01           |
| West Boundary.<br>(4th Guide Mer. W.) | North.        | 480.00        | 480.00     |                  |             |                  |
| North Boundary.                       | S. 89° 58' E. | 478.38        |            | .27              | 478.38      |                  |
| East Boundary.                        | South.        | 480.00        |            | 480.00           |             |                  |
| Convergency.                          |               |               |            |                  | .50         |                  |
| Totals.                               |               |               | 480.00     | 480.27<br>480.00 | 478.88      | 479.01<br>478.88 |
| Error in latitude.                    |               |               |            | .27              |             |                  |
| Error in departure.                   |               |               |            |                  |             | .13              |

North Boundary of T. 11 N., R. 15 W.

Chains.

Survey of Twp. 25, R. 15, and Twp. 26, R. 15, and Twp. 27, R. 15, made by J. W. Taylor, Surveyor, in 1892, with bearings and distances, and also a description of land in Twp. 25, R. 15, and Twp. 26, R. 15, see Book 27, Survey of Twp. 25, R. 15, and Twp. 26, R. 15, and Twp. 27, R. 15, made by J. W. Taylor, Surveyor, in 1892, and a description of land in Twp. 25, R. 15, and Twp. 26, R. 15, and Twp. 27, R. 15, see Book 27, Survey of Twp. 25, R. 15, and Twp. 26, R. 15, and Twp. 27, R. 15, made by J. W. Taylor, Surveyor, in 1892.

From the cor. of Tps. 11 and 12 N., Rs. 15 and 16 W., which is an iron post, hereinbefore described, "C",

East on a true line, bet. secs. 6 and 31.  
Over rolling land, through scattering undergrowth.

Desc. 30 ft. to

6.68 Enter wash, 2 ft. bank, course SW.

21.68 Leave wash, 2 ft. bank, course SW.

38.51 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

S31

1/4

S 6

1916

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

Asc. 410 ft. to

71.30 Top of ridge, brs. E. and W. Desc. 40 ft. to

76.25 Asc. 60 ft. to

78.51 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked on brass cap

T12N R15W

S31 S32

S 6 S 5

T11N

1916

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Land, rolling and mountainous.

Soil, gravelly; 3rd rate; and rocky; 4th rate.

No timber.

Undergrowth, palo verde, greasewood, sagebrush and cactus.

Drainage, S. and SW.

East on a true line, bet. secs. 5 and 32.

Over mountainous land, through scattering undergrowth..

Desc. 95 ft. to

9.80 Asc. 160 ft. to

18.03 Desc. 475 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

S32

1/4

S 5

1916

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

40.50 Center of wash, 1 ch. wide, 5 ft. deep, course S. Asc. 75 ft. to

46.90 Desc. 55 ft. to

51.85 Asc. 65 ft. to

Chains.

58.25 Low spur, slopes S. Desc. 110 ft. to  
 73.64 Center of wash, 1 ch. wide, course S. Asc. to  
 75.75 Desc. 25 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 4, 5, 32 and 33, marked on  
 brass cap

|              |      |
|--------------|------|
| T12N         | R15W |
| S32          | S33  |
| —            |      |
| S 5          | S 4  |
| T11N<br>1916 |      |

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, mountainous.  
 Soil, gravelly, 3rd rate; and rocky; 4th rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.  
 Drainage, S.

East on a true line, bet. secs. 4 and 33.  
 Over broken land, through scattering undergrowth.  
 Desc. to  
 2.00 Center of wash, 2 chs. wide, 10 ft. deep, course SW. Asc.  
 90 ft. to  
 11.10 Desc. 75 ft. to  
 25.55 Asc. 25 ft. to  
 30.50 Desc. 40 ft. to  
 36.88 Center of wash, 1 ch. wide, 10 ft. deep, course SW. Asc.  
 30 ft. to  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor., marked on brass cap

|             |  |
|-------------|--|
| S33         |  |
| —           |  |
| S 4<br>1916 |  |

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 N. of cor.  
 Asc. 30 ft. to  
 42.00 Asc. 80 ft. to  
 51.87 Spur, slopes SW. Desc. 40 ft. to  
 61.85 Asc. 35 ft. to  
 65.00 Desc. 35 ft. to  
 70.00 Asc. 15 ft. to  
 73.17 Short spur, slopes SW. Desc. 35 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 3, 4, 33 and 34, marked on  
 brass cap

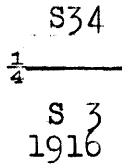
|              |      |
|--------------|------|
| T12N         | R15W |
| S33          | S34  |
| —            |      |
| S 4          | S 3  |
| T11N<br>1916 |      |

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, broken.  
 Soil, gravelly; 3rd rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, sagebrush and cactus.

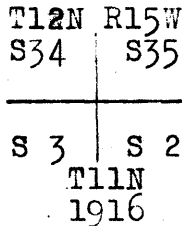
North Boundary of T. 11 N., R. 15 W.

Chains.

6.77 East on a true line, bet. secs. 3 and 34.  
 22.30 Over rolling land, through scattering undergrowth.  
 Desc. 25 ft. to  
 40.00 Center of wash, 1 ch. wide, course SW. Asc. 95 ft. to  
 Desc. 100 ft.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

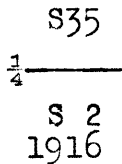


and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor.  
 44.20 Enter wash, course SW.  
 59.20 Road, brs. N. and SE.  
 60.18 Leave wash, course SW. Asc. 35 ft. to  
 66.20 Desc. 60 ft. to  
 77.56 Ravine, course SW. Asc. 40 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 2, 3, 34 and 35, marked on  
 brass cap

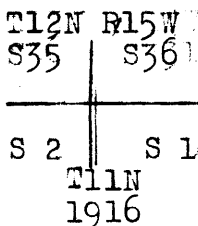


and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor.  
 Land, rolling.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo,  
 ironwood and cat claw.

40.00 East on a true line, bet. secs. 2 and 35.  
 40.00 Over rolling land, through scattering undergrowth.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor.  
 57.51 Center of wash, 1 ch. wide, course SW.  
 68.86 Center of wash, 2.10 chs. wide, course SW.  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 1, 2, 35 and 36,  
 .., marked on brass cap





108

North Boundary of T. 11 N., R. 15 W.

Chains.

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.  
Land, rolling.  
Soil, 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, cactus, ocotillo,  
cat claw and ironwood.

East on a true line, bet. secs. 1 and 36.  
Over broken land, through scattering undergrowth.  
Asc. 75 ft. to  
6.10 Desc. 70 ft. to  
14.30 Wash, 50 lks. wide, 2 ft. deep, course SW.  
32.78 Wash, course SW. Comes from SE.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S36

 $\frac{1}{4}$  ———S 1  
1916

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
N. of cor.  
42.90 Enter wash, 10 ft. deep, course SW.  
44.90 Leave wash, 10 ft. deep, course SW.  
67.89 Wash, 50 lks. wide, 5 ft. deep, course SW.  
77.10 Wash, 50 lks. wide, 5 ft. deep, course SW.  
79.50 Wash, 25 lks. wide, 5 ft. deep, course SW.  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
stone, for cor. of Tps. 11 and 12 N., Rs. 14 and 15 W.,  
marked on brass cap

T12N.

R15W R14W  
S36 S31

S 1 | S 6

T11N  
1916

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
S. of cor.  
Land, broken.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ironwood, sagebrush  
and cactus.  
Drainage, SW.

A Portion of The East Boundary of T. 11 N., R. 15 W.

Chains.

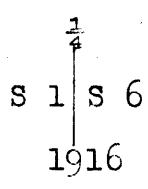
~~To. and from the cor. of Tps. 11 and 12 N., Rs. 14 and 15 W., which is an iron post, hereinbefore described.~~

From the cor. of Tps. 11 and 12 N., Rs. 14 and 15 W., which is an iron post, hereinbefore described.

South on a true line, bet. secs. 1 and 6.  
Over mountainous land, through scattering undergrowth.

1.30  
30.87  
34.79  
40.00

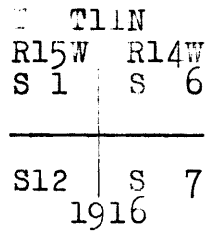
Asc. 25 ft. to  
Desc. 105 ft. to  
Ravine, course SW. Asc. 75 ft. to  
Top of ascent, slopes W. Desc. 125 ft.  
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

47.95  
56.44  
61.40  
63.50  
68.40  
69.05  
80.00

Center of main wash, 2.00 chs. wide, course SW. Road in wash, brs. NE. and SW. Asc. 130 ft. to  
Spur, slopes W. Desc. 30 ft. to  
Asc. 45 ft. to  
Desc. 30 ft. to  
Asc. 10 ft. to  
Desc. 125 ft. to  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked on brass cap



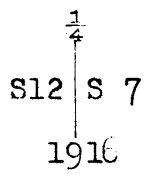
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, palo verde, greasewood, ocotillo, cactus, cat claw and ironwood.

South on a true line, bet. secs. 7 and 12.  
Over rolling land, through scattering undergrowth.

1.97  
16.50  
23.80  
28.68  
40.00

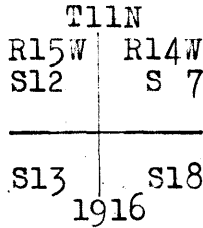
Desc. 25 ft. to  
Wash, 50 lks. wide, course SW.  
Road, brs. NE. and SW.  
Center of wash, 1. ch. wide, course W. Asc. 65 ft. to  
Spur, slopes W. Desc. 80 ft. to  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

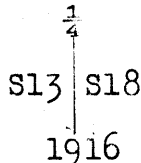
Chains.

- 40.75 Center of wash, 1.00 ch. wide, course W. Asc. 25 ft., along broken W. slope, to
- 44.45 Desc. 30 ft. to
- 49.45 Asc. 25 ft. to
- 63.50 Desc. 25 ft. to
- 78.00 Wash, course W. Road in wash, brs. E. and W. Asc. slightly to
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18 marked on brass cap

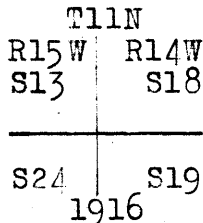


and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, rolling and mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, palo verde, greasewood, cactus, ocotillo and ironwood.

- 3.93 South on a true line, bet. secs. 13 and 18.
- 20.20 Over mountainous land, through scattering undergrowth. Asc. 50 ft. to Spur, slopes W. Desc. 105 ft. to
- 40.00 Thence over rolling land. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., marked on brass cap



- 41.97 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- 76.01 Center of wash, 1 ch. wide, course W. Asc. 240 ft. to Spur, slopes W. Desc. 55 ft. to
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 13, 18, 19 and 24, marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, rolling and mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo and cat claw.

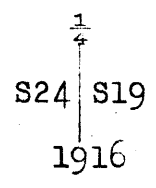
South on a true line, bet. secs. 19 and 24.  
 Over mountainous land, through scattering undergrowth.

A Portion of The East Boundary of T. 11 N., R. 15 W. 111

Chains.

23.03  
40.00

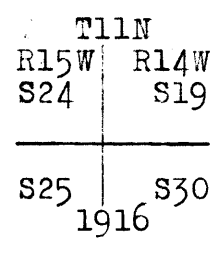
Desc. 135 ft to  
Head of ravine, course SW. Asc. 400 ft.  
Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

44.89  
56.24  
64.07  
75.50  
80.00

Spur, slopes W. Desc. 360 ft. to  
Head of ravine, course SW. Asc. 130 ft. to  
Short spur, slopes W. Desc. 380 ft. to  
Ravine, course SW. Asc. 25 ft. to  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 19, 24, 25 and 30, marked on  
brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Land, mountainous.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde cactus, ocotillo, cat-  
claw and ironwood.

Boundaries of subdivided portion of T. 11 N., R. 15 W.  
Latitudes, departures and closing errors.

| Line designated.        | True bearing.        | Dist.<br>chs. | Latitudes. |            | Departures. |            |
|-------------------------|----------------------|---------------|------------|------------|-------------|------------|
|                         |                      |               | N.<br>chs. | S.<br>chs. | E.<br>chs.  | W.<br>chs. |
| Subdivisional boundary, | West,<br>S. 0° 2' E. | 239.82        |            |            |             | 239.82     |
| South Boundary.         | West.                | 160.00        |            | 160.00     | .09         |            |
| West Boundary.          | North.               | 239.01        |            |            |             | 239.01     |
| North Boundary.         | North.               | 480.00        | 480.00     |            |             |            |
| North Boundary.         | East.                | 478.51        |            |            | 478.51      |            |
| East Boundary.          | South.               | 320.00        |            | 320.00     |             |            |
| Convergency.            |                      |               |            |            | .41         |            |
| Totals,                 |                      |               | 480.00     | 480.00     | 479.01      | 478.83     |
|                         |                      |               | 480.00     |            | 478.83      |            |
| Error in latitude:      |                      |               | 00         |            |             |            |
| Error in departure:     |                      |               |            |            | .18         |            |

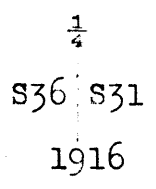
East Boundary of T. 12 N., R. 16 W.

Chains.

Survey commenced No. 2, 1916; and continued with Young and Sons' light transit No. 3/02, with Smith solar attachment. For description of instrument and certificate of approval, see subdivision of T. 10 N., R. 17 W. For tests of adjustments, see book 3008.

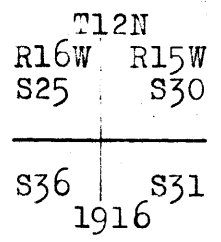
From the cor. of Tps. 11 and 12 N., Rs. 15 and 16 W., which is an iron post, hereinbefore described.

Thence  
 North, bet. secs. 31 and 36.  
 Over rolling land, through scattering undergrowth.  
 14.10 Asc. 80 ft. to  
 23.50 Desc. 110 ft. to  
 38.50 Thence over rolling land.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

50.00 Wash, course SW. Asc. 45 ft. to  
 64.35 Desc. 50 ft. to  
 74.30 Asc. 25 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap

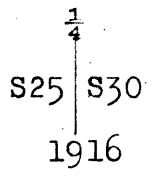


and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo, mesquite and ironwood.

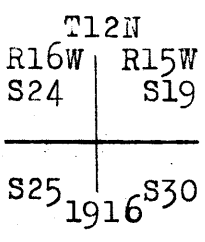
33.17 North bet. secs. 25 and 30.  
 40.00 Over rolling land, through scattering undergrowth.  
 Wash, course SW.

Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 19, 24, 25 and 30, marked on brass cap



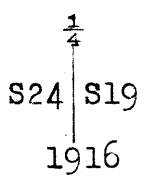
114

East Boundary of T. 12 N., R. 16 W.

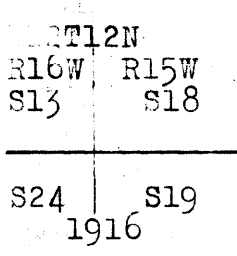
Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, mesquite, cactus,  
 ocotillo, cat claw and ironwood.

20.00 North bet. secs. 19 and 24.  
 40.00 Over rolling land, through scattering undergrowth.  
 Desc. 70 ft. to  
 Wash, course SW. Thence over gently rolling land.  
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for ¼ sec. cor., marked on brass cap

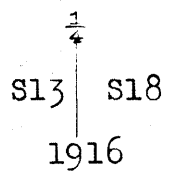


70.00 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 75.10 W. of cor.  
 Asc. 70 ft. to  
 80.00 Desc. 60 ft. to  
 Set an iron post, 3 ft. long, 3 ins. diam., 16 ins. in the  
 ground, in a mound of stone, for cor. of secs. 13, 18,  
 19 and 24, marked on brass cap



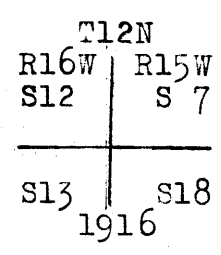
and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo and  
 cat claw.

24.37 North bet. secs. 13 and 18.  
 40.00 Over rolling land, through scattering undergrowth.  
 Center of wash, 2 chs. wide, course SW.  
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for ¼ sec. cor., marked on brass cap



80.00 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
 stone, for cor. of secs. 7, 12, 13 and 18, marked on  
 brass cap

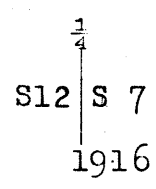
Chains.



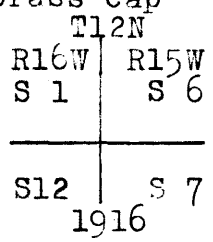
and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, rolling.  
Soil, 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, cactus, ocotillo,  
and cat claw.

North bet. secs. 7 and 12.  
Over broken and mountainous land through scattering under-  
growth.

- 2.70 Asc. 30 ft. to
- 17.00 Desc. 80 ft. to
- 29.20 Center of wash, 1 ch. wide, course SW. Asc. 55 ft. to
- 34.20 Desc. 35 ft. to
- 40.00 Asc. 190 ft.
- Set an iron post, 3 ft. long, ½ in. diam., in a mound of  
stone, for ¼ sec. cor., marked on brass cap



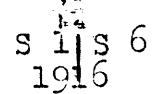
- 48.50 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.
- 57.10 Tap of ascent; thence along E. slope to
- 72.00 Desc. 80 ft. to
- 80.00 Head of ravine, course E. Asc. 140 ft. to
- Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
stone, for cor. of secs. 7 and 12 and <sup>1</sup>/<sub>4</sub> sec. 1  
and 6, marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, broken and mountainous.  
Soil, 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, cactus, and ocotillo.

North bet. <sup>1</sup>/<sub>4</sub> sec. 1 and 6.  
Over mountainous land, through scattering undergrowth.

- 3.10 Asc. 80 ft. to
- 8.10 Spur, slopes E. Thence along E. slope to
- 11.00 Asc. 25 ft. to
- 25.00 Ridge, brs. NW. and S.10° W. Thence along E. slope.
- 40.00 Ridge, brs. SW. and E. Desc. 205 ft.
- Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the  
ground, for ¼ sec. cor., marked on brass cap



Chains.

40.49 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

44.30 Head of ravine, course W. Asc. 45 ft. to

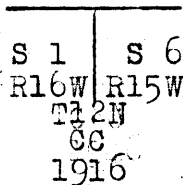
Ridge, brs. NW. and SE. Desc. 95 ft. to

60.11 Intersect the Third Standard Parallel North, 1.01 chs.

E. of the standard ¼ sec. cor. to Sec. 31, T. 13 N., R. 15 W., which is an iron post, properly set, marked and witnessed as described by the Surveyor-General. (Established under Group 42)

At the point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for closing cor. of T. 12 N., Rs. 15 and 16 W., marked on brass cap

T13N R15W  
S31



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
S. of cor.

Land, mountainous.

Soil, 4th rate.

No timber.

Undergrowth, greasewood, palo verde, cactus, ocotillo, and yucca.

Boundaries of T. 12 N., R. 16 W.

Latitudes, departures and closing errors.

| Line designated.                      | True bearing. | Dist.  | Latitudes. |        | Departures. |        |
|---------------------------------------|---------------|--------|------------|--------|-------------|--------|
|                                       |               |        | N.         | S.     | E.          | W.     |
| South boundary,                       | N. 89° 58' W. | 478.38 | 478.27     |        |             | 478.38 |
| West boundary,<br>(4th Guide Mer. W.) | North,        | 460.02 | 460.02     |        |             | 460.02 |
| North boundary,<br>(3rd Std. Par. N.) | East.         | 478.08 |            |        | 478.08      |        |
| East boundary.                        | South.        | 460.11 |            | 460.11 |             |        |
| Convergency.                          |               |        |            |        | .47         |        |
| Totals, -----                         |               |        | 460.29     | 460.11 | 478.55      | 478.38 |
|                                       |               |        | 460.11     |        | 478.38      |        |
| Error in latitude, -----              |               |        | .18        |        |             |        |
| Error in departure, -----             |               |        | .17        |        |             |        |



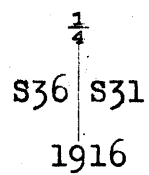
East Boundary of T. 12 N., R. 15 W.

Chains.

Survey commenced Mar. 27, 1916, and executed with Young and Sons' light spania transit No. 7017, with Smith solar attachment. For description of instrument, and certificate of approval, see Book 3016. For tests of adjustments, see Book " ".

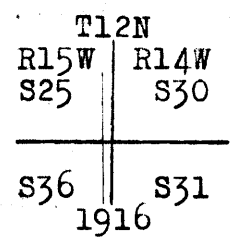
From the cor. of Tps. 11 and 12 N., Rs. 14 and 15 W., which is an iron post, herebefore described.

- 0.50 North, bet. secs. 31 and 36.
- Over broken land, through scattering undergrowth.
- 9.95 Wash, 25 lks. wide, 5 ft. deep, course SW. Asc. 65 ft.
- 14.93 to
- Desc. 30 ft. to
- 23.80 Wash, 50 lks. wide, 5 ft. deep, course SW. Asc. slightly
- 28.80 to
- Low spur, slopes SW. Desc. 30 ft. to
- 40.00 Center of wash, 1 ch. wide, 5 ft. deep, course SW. Asc. 240 ft.
- Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

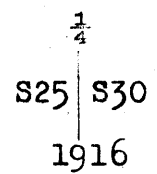
- 59.72 Ridge, brs. E. and W. Desc. 25 ft. to
- 64.75 Asc. 40 ft. to
- 68.45 Desc. to
- 76.05 Asc. 40 ft. to
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Land, broken.  
Soil, gravelly; 4th rate.  
No timber.  
Undergrowth, palo verde, greasewood, sagebrush and cactus.  
Drainage, SW.

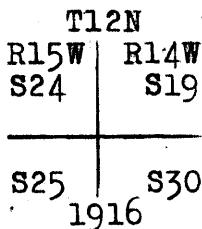
- 10.87 North bet. secs. 25 and 30.
- 13.00 Over broken land, through scattering undergrowth.
- 40.00 Desc. 140 ft. to
- Wash, 50 lks. wide, 5 ft. deep, course N.20° W. Asc. to
- Desc. 240 ft.
- Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, 1 ft. base, 6 ins. high, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

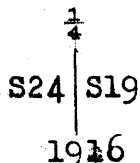
Chains.

Continue descent.  
 57.07 Two strand barb wire fence, brs. E. and W.  
 73.17 Center of wash, 1 ch. wide, 3 ft. deep, course W. Two  
 strand barb wire fence, brs. E. and W. From this point  
 Stene's Well brs. East 5 chs. dist. Asc. slightly.  
 76.36 Road, brs. E. and W.  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 19, 24, 25 and 30, marked on  
 brass cap

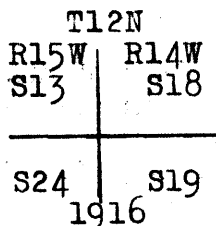


and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, broken.  
 Soil, gravelly; 3rd rate.  
 No timber.  
 Undergrowth, palo verde, ironwood, greasewood, sagebrush  
 and cactus.  
 Drainage, W.

North bet. secs. 19 and 24.  
 Over broken land, through scattering undergrowth.  
 13.15 Center of wash, 1 ch. wide, 10 ft. deep, course SW.  
 21.30 Asc. 60 ft. to  
 33.92 West side of butte; Desc. 35 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for 4 sec. cor., marked on brass cap



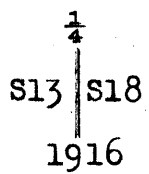
and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 45.00 Center of wash, 1 ch. wide, 5 ft. deep, course S.70° W.  
 Asc. 30 ft. to  
 47.70 Desc. 30 ft. to  
 52.65 Thence over gently rolling land.  
 76.01 Wash, 50 lks. wide, 5 ft. deep, course SW.  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 13, 18, 19 and 24, marked on  
 brass cap



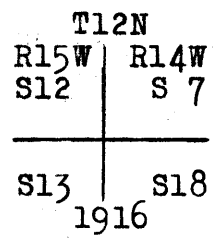
and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, broken and gently rolling.  
 Soil, gravelly; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, sagebrush and cactus.  
 Drainage, SW.

Chains.

North bet. secs. 13 and 18.  
 Over mountainous land, through scattering undergrowth.  
 Asc. 50 ft. to  
 Desc. 25 ft. to  
 Draw, course SW. Asc. 195 ft. to  
 Spur, slopes SW. Continue ascent, along W. slope to  
 Desc. 25 ft. to  
 Head of draw, course SW. Asc. 375 ft.  
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
 stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

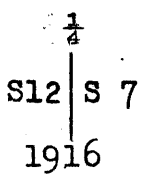


and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
 W. of cor.  
 Ridge, brs. E. and W. Desc. 520 ft. to  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 7, 12, 13 and 18, marked on  
 brass cap



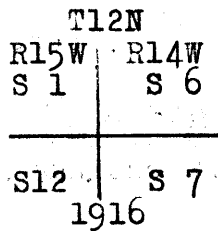
and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
 W. of cor.  
 Land, mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, sagebrush and cactus.  
 Drainage, W.

North bet. secs. 7 and 12.  
 Over broken land, through scattering undergrowth.  
 Center of wash, 1 ch. wide, 5 ft. deep, course NW.  
 Center of wash, 1 ch. wide, 5 ft. deep, course W. Asc. 125  
 ft. to  
 Spur, slopes W.  
 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the  
 ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on  
 brass cap



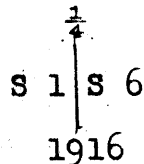
and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
 W. of cor.  
 Desc. 125 ft. to  
 Center of wash, 1 ch. wide, 5 ft. deep, course W. Asc.  
 90 ft. to  
 Spur, slopes W. Desc. 45 ft. to  
 Center of wash, 1 ch. wide, 2 ft. deep, course W. Road  
 in wash, brs. E. and W.  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 7, and 12 and fract. secs. 1  
 and 6, marked on brass cap

Chains.

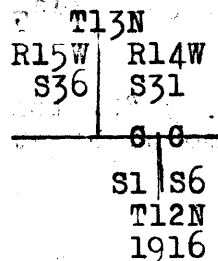


and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 W. of cor.  
 Land, broken.  
 Soil, gravelly; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, sagebrush and cactus.  
 Drainage, W.

0.20 North bet. fracl. 1secs. 1 and 6.  
 20.00 Over broken land, through scattering undergrowth.  
 40.00 Road, brs. E. and W.  
 Asc. 110 ft.  
 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the  
 ground, in a mound of stone, 2 ft. base, 1 ft. high,  
 for ¼ sec. cor., marked on brass cap



41.33 and raise a mound of stone, 3 ft. base, 2½ ft. high,  
 46.24 W. of cor.  
 60.38 Spur, slopes W. Desc. 65 ft. to  
 Draw, course W. Asc. 35 ft. to  
 Intersect Third Standard Parallel North, 0.68 chs. W. of  
 the standard ¼ sec. cor. of sec. 31, T. 13 N., R. 14  
 W., which is an iron post, properly set, marked and  
 witnessed as described by the Surveyor-General. (Established  
 Under Group 42)  
 At the point of intersection, set an iron post, 3 ft. long,  
 3 ins. diam., 24 ins. in the ground, for closing cor.  
 of T. 12 N., Rs. 14 and 15 W., marked on brass cap



and raise a mound of stone, 3 ft. base, 3 ft. high,  
 S. of cor.  
 Land, broken.  
 Soil, decomposed granite; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, sagebrush and cactus.  
 Drainage, W. and SW.

Boundaries of T. 12 N., R. 15 W.  
 Latitudes, departures and closing errors.

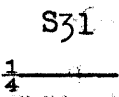
| Line designated.                      | True bearing. | Dist.<br>chs. | Latitudes. |            | Departures. |            |     |
|---------------------------------------|---------------|---------------|------------|------------|-------------|------------|-----|
|                                       |               |               | N.<br>chs. | S.<br>chs. | E.<br>chs.  | W.<br>chs. |     |
| South Boundary.                       | West.         | 478.51        |            |            |             | 478.51     |     |
| West Boundary.                        | North.        | 460.11        | 460.11     |            |             |            |     |
| North Boundary.<br>(3rd Std. Par. N.) | East.         | 478.31        |            |            | 478.31      |            |     |
| East Boundary                         | South.        | 460.38        |            | 460.38     |             |            |     |
| Convergency.                          |               |               |            |            | .47         |            |     |
| Totals.                               |               |               | 460.11     | 460.38     | 478.78      | 478.51     |     |
|                                       |               |               |            | 460.11     | 478.51      |            |     |
| Error in latitude.                    |               |               |            |            |             | .27        |     |
| Error in departure.                   |               |               |            |            |             |            | .27 |

Chains.

Survey of the land under Sec. 31, 1916, and adjacent to the  
 and South of the Mountain range, No. 12, with  
 solar attachment. For a description of the land and  
 certificate of approval, see proceedings of the  
 N. 17 W. For recent survey of the land see book  
 1. Frame the cor. of Tps. 11 and 12 N., Rs. 14 and 15 W.,  
 which is an iron post, hereinbefore described.

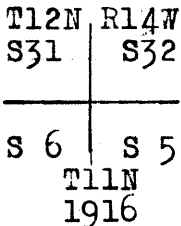
East on a true line, bet. secs. 6 and 31.  
 Over rolling and broken land, through scattering under-  
 growth.

- 21.84 Asc. 130 ft. to
- 25.77 Spur, slopes S. Desc. 95 ft. to
- 29.82 Ravine, course S. Asc. 90 ft. to
- 38.51 Spur, slopes S. Desc. 155 ft.
- Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



S 6  
1916

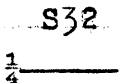
- 76.33 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
 N. of cor.
- Center of wash, 3 chs. wide, course S.10° W. Road in wash,  
 brs. N.10° E. and S.10° W. Asc. to
- 78.51 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 5, 6, 31 and 32, marked on  
 brass cap



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
 W. of cor.  
 Land, rolling and broken.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo and  
 ironwood.

East on a true line, bet. secs. 5 and 32.  
 Over mountainous land, through scattering undergrowth.

- 18.12 Asc. 130 ft. to
- Top of ascent; thence along broken N. slope, descending  
 65 ft. to
- 32.45 Asc. 100 ft. to
- 37.25 Desc. 95 ft.
- 39.50 Prospect hole on line, with 25 ft. tunnel.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



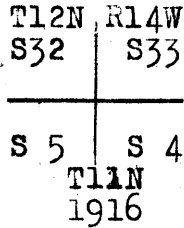
S 5  
1916

- 42.00 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
 N. of cor.
- 47.47 Road, brs. NW. to Signal and SE. to Alamo.
- 50.00 Wash, course NW. Asc. to
- Desc. to

Chains.

51.96  
80.00

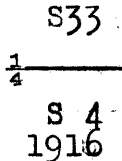
Wash, course NW. Comes from NE. Asc. 170 ft. to  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 4, 5, 32 and 33, marked on  
brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo,  
cat claw and ironwood.

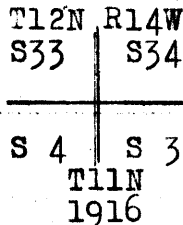
9.38  
30.75  
40.00

East on a true line, bet. secs. 4 and 33.  
Over mountainous land, through scattering undergrowth.  
Desc. 45 ft. to  
Ravine, course SW. Asc. 110 ft. to  
Thence along S. slope.  
Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the  
ground, in a mound of stone, for ¼ sec. cor., marked on  
brass cap



42.10  
58.55  
69.96  
80.00

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.  
Asc. 200 ft. to  
Spur, slopes S. Desc. 115 ft. to  
Ravine, course S. Thence along broken S. slope to  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 3, 4, 33 and 34, marked on  
brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo, cat claw  
and ironwood.

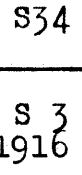
13.00  
24.85  
31.85  
40.00

East on a true line, bet. secs. 3 and 34.  
Over mountainous land, through scattering undergrowth.  
Desc. 35 ft. to  
Asc. 80 ft. to  
Ridge, brs. NW. and SE. Thence along broken S. slope.  
Short spur, slopes SE. Desc. 150 ft.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

South Boundary of T. 12 N., R. 14 W.

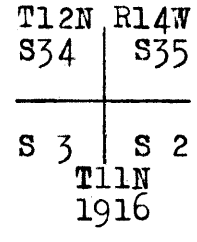
Chains.

ground, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

48.94 Ravine, course N. Asc. 45 ft. to  
 56.33 Top of ascent; thence along broken S. slope, descending 55 ft. to  
 61.25 Asc. 35 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked on brass cap

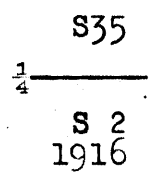


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo, cat claw and ironwood.

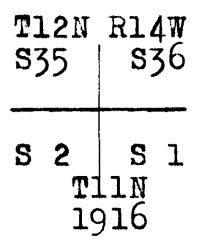
East on a true line, bet. secs. 2 and 35.  
 Over mountainous land, through scattering undergrowth.

19.75 Desc. 140 ft. to  
 22.40 Asc. 30 ft. to  
 33.60 Desc. 115 ft. to  
 36.00 Asc. 20 ft. to  
 40.00 Desc. 150 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

63.53 Wash, 50 lks. wide, course SE. Asc. 50 ft. to  
 65.80 Desc. 90 ft. to  
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.  
 Soil, 4th rate.  
 No timber.



Chains.

Undergrowth, greasewood, palo verde, cactus, ocotillo,  
cat claw and ironwood.

East on a true line, bet. secs. 1 and 36.  
Over mountainous land, through scattering undergrowth.

9.10 Desc. 20 ft. to  
13.60 Asc. 60 ft. to  
18.55 Desc. 40 ft. to  
22.20 Asc. 40 ft. to  
33.45 Desc. 65 ft. to  
37.10 Asc. 40 ft. to  
40.00 Desc. 30 ft. to  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S36

 $\frac{1}{4}$ S 1  
1916

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

41.95 Asc. 25 ft. to  
67.04 Desc. 115 ft. to  
76.00 Center of wash, 3 chs. wide, course SE. Asc. 80 ft. to  
80.00 Spur, slopes SE. Desc. 30 ft. to  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of Tps. 11 and 12 N., Rs. 13 and 14  
W., marked on brass cap

T12N

R14W | R13W  
S36 | S31

S 1 | S 6

T11N  
1916

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

Land, mountainous.

Soil, 4th rate.

No timber.

Undergrowth, greasewood, palo verde, ocotillo, cactus,  
cat claw and ironwood.

East Boundary of T. 12 N., R. 14 W.

Chains.

Surveyed March 5, 1916, and extended with Young and Sons' light transit No. 1282, with Smith solar attachment. For description of instrument and certificate of approval, see subdivision of T. 10 N., R. 17 W. For recent lists of adjustments see Book "H".

From the cor. of Tps. 11 and 12 N., Rs. 13 and 14 W., which is an iron post, hereinbefore described.

Thence North, bet. secs. 31 and 36.

Over mountainous land, through scattering undergrowth.

Asc. 35 ft. to

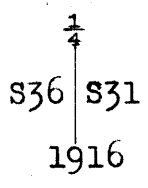
2.74 Short spur, slopes SE. Thence along E. slope to

14.55 Asc. 145 ft. to

23.10 Desc. 80 ft. to

39.37 Ravine, course SE. Asc. in ravine, 335 ft.

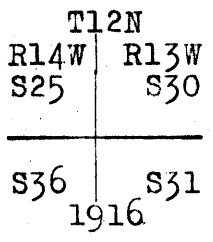
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

50.28 Leave ravine, course S. Comes from NW. Continue ascent to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 25, 30, 31 and 36, marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

Soil, 4th rate.

No timber.

Undergrowth, greasewood, palo verde, cactus, ocotillo, cat claw and ironwood.

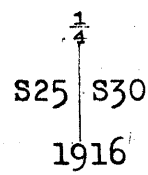
North bet. secs. 25 and 30.

Over mountainous land, through scattering undergrowth.

Asc. 100 ft. to

19.87 Top of ascent; thence over rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

42.80 Desc. 55 ft. to

53.45 Ravine, course SW. Asc. 45 ft. to

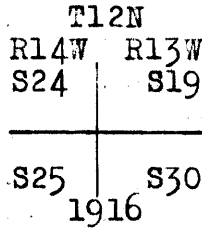
61.17 Top of ascent; desc. 30 ft. to

67.05 Head of ravine, course SW. Asc. 175 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in the

Chains.

ground, in a mound of stone, for cor. of secs. 19, 24, 25 and 30, marked on brass cap

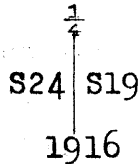


and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo, cat claw and ironwood.

North bet. secs. 19 and 24.  
 Over mountainous land, through scattering undergrowth.  
 Asc. 145 ft. to

29.16  
40.00

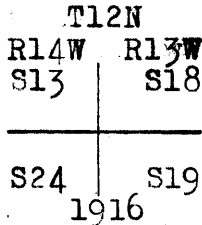
Thence over rolling land.  
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

45.00  
64.93  
76.63  
77.67  
80.00

Asc. 90 ft. to  
 Long spur, slopes N.80° W. Desc. 170 ft. to  
 Ravine, course NW. Asc. slightly to  
 Top of ascent; desc. 20 ft. to  
 Head of small ravine, course W.  
 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 13, 18, 19 and 24, marked on brass cap



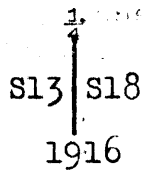
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, rolling and mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, ocotillo, ironwood and yucca.

North bet. secs. 13 and 18.  
 Over mountainous land, through scattering undergrowth.  
 Asc. 20 ft. to

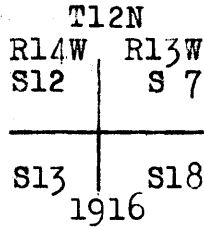
1.78  
20.50  
30.45  
40.00

Top of ascent; thence along broken W. slope to  
 Asc. 30 ft. to  
 Short spur, slopes W. Desc. 65 ft. to  
 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., marked on brass cap

Chains.

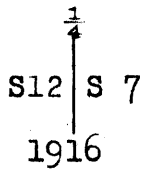


and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
45.00 Ravine, course W. Asc. 65 ft. to  
64.00 Divide, brs. E. and W. Desc. 40 ft. to  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of  
stone, for cor. of secs. 7, 12, 13 and 18, marked on  
brass cap

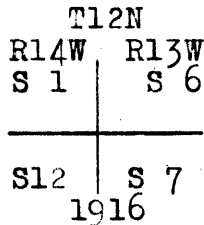


and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, cactus, ocotillo,  
cat claw, yucca and ironwood.

26.30 North bet. secs. 7 and 12.  
40.00 Over mountainous land, through scattering undergrowth.  
Asc. 95 ft. to  
Spur, slopes W. Desc. 200 ft.  
Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for ¼ sec. cor., marked on brass cap



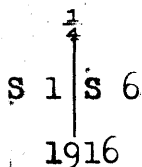
and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
41.81 Ravine, course NW. Asc. slightly to  
44.95 Desc. 35 ft. to  
63.72 Same ravine, course NW. Comes from SW. Asc. 60 ft. to  
78.95 Short spur, slopes W. Desc. 20 ft. to  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the  
ground, in a mound of stone, for cor. of secs. 7 and 12  
and frac. secs. 1 and 6; marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land, mountainous.  
Soil, 4th rate  
No timber.  
Undergrowth, greasewood, palo verde, ocotillo, cactus,  
cat claw, ironwood and yucca.

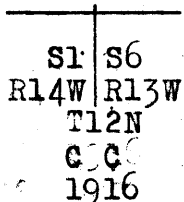
Chains.

2.58 North bet. fracl. secs. 1 and 6.  
 20.84 Over mountainous land, through scattering undergrowth.  
 40.00 Desc. 50 ft. to Ravine, course W. Asc. 125 ft. to Spur, slopes NW. Desc. 230 ft. to Wash, 25 lks. wide, course NW.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 Asc. 35 ft. to Road, brs. E. and W. Desc. 45 ft. to Asc. 20 ft. to Intersect Third Standard Parallel North, 2.00 chs. W. of the standard  $\frac{1}{4}$  sec. cor. to sec. 31, T. 13 N., R. 13 W., which is an iron post, properly set, marked and witnessed as described by the Surveyor-General. (Established under Group 42)  
 At the point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for closing cor. of T. 12 N., Rs. 13 and 14 W., marked on brass cap

T13N R13W  
 S31



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.  
 Land, mountainous.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, cactus, cat claw, ironwood, yucca and sagebrush.

Boundaries of T. 12 N., R. 14 W.  
 Latitudes, departures and closing errors.

| Line designated.                      | True bearing. | Dist.<br>chs. | Latitudes. |            | Departures. |            |
|---------------------------------------|---------------|---------------|------------|------------|-------------|------------|
|                                       |               |               | N.<br>chs. | S.<br>chs. | E.<br>chs.  | W.<br>chs. |
| South Boundary.                       | West.         | 478.51        |            |            |             | 478.51     |
| West Boundary.                        | North.        | 460.38        | 460.38     |            |             |            |
| North Boundary.<br>(3rd Std. Pat. N.) | East.         | 478.68        |            |            | 478.68      |            |
| East Boundary.                        | South.        | 460.47        |            | 460.47     |             |            |
| Convergency.                          |               |               |            |            | .48         |            |
| Totals.                               |               |               | 460.38     | 460.47     | 479.16      | 478.51     |
|                                       |               |               |            | 460.38     | 478.51      |            |
| Error in latitude.                    |               |               |            | .09        |             |            |
| Error in departure.                   |               |               |            |            | .65         |            |

Boundaries of Subdivided portion of T. 11 N., R. 14 W.  
 Latitudes, departures and closing errors.

| Line designated.               | True bearing. | Dist.<br>chs. | Latitudes. |            | Departures. |            |
|--------------------------------|---------------|---------------|------------|------------|-------------|------------|
|                                |               |               | N.<br>chs. | S.<br>chs. | E.<br>chs.  | W.<br>chs. |
| Subdivisional                  | N. 89° 57' W. | 80.02         | .07        |            |             | 80.02      |
| South boundary.                | S. 89° 51' W. | 80.16         |            | .21        |             | 80.16      |
|                                | S. 89° 53' W. | 78.70         |            | .16        |             | 78.70      |
| West Boundary.                 | North.        | 320.00        | 320.00     |            |             |            |
| North Boundary.                | East.         | 238.51        |            |            | 238.51      |            |
| Subdivisional<br>East boundary | S. 0° 2' E.   | 320.00        |            | 320.00     | .19         |            |
| Convergency.                   |               |               |            |            | .16         |            |
| Totals.                        |               |               | 320.07     | 320.37     | 238.86      | 238.88     |
|                                |               |               |            | 320.07     |             | 238.86     |
| Error in latitude.             |               |               |            | .30        |             |            |
| Error in departure.            |               |               |            |            |             | .02        |

West half of the S. Boundary of T. 12 N., R. 13 W.

Chains.

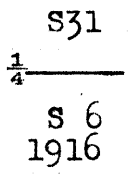
Survey made April 10, 1916, and conducted with Leung and Sons' alpine mountain transit No. 5011, with solar attachment. For description of instrument and certificate of approval, see book " " for tests of adjustment, see book " ".

From the cor. of Tps. 11 and 12 N., Rs. 13 and 14 W., which is an iron post, hereinafter described.

East, on a true line, bet. secs. 6 and 31.  
Over broken land, through scattering undergrowth.  
Desc. 135 ft. to

26.34 Center of wash, 1 ch. wide, 5 ft. deep, course S. Asc. 405 ft.

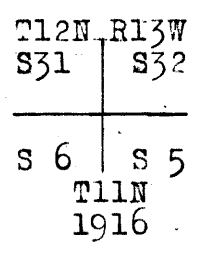
38.51 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, N. of cor.

67.79 End of spur, slopes S. Desc. to

78.51 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 5, 6, 31 and 32, marked on brass cap

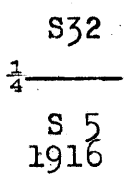


and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Land, broken.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, palo verde, greasewood, sagebrush and cactus.  
Some bunch grass.  
Drainage, S. and SW.

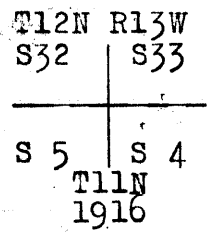
East on a true line, bet. secs. 5 and 32.  
Over broken land, through scattering undergrowth.  
Desc. 230 ft. to

22.52 Draw, course S. Asc. 465 ft.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, N. of cor.

61.36 Spur, slopes S. Desc. 525 ft. to  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for cor. of secs. 4, 5, 32 and 33, marked on brass cap



chains.

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, broken.  
Soil, 4th rate.  
No timber.  
Undergrowth, palo verde, greasewood, sagebrush and cactus.  
Drainage, S.

6.55 East on a true line, bet. secs. 4 and 33.  
Over broken land, through scattering undergrowth.  
Desc. 95 ft. to  
Center of wash, 2 chs. wide, 5 ft. deep, course S. Asc.  
110 ft.  
9.03 Road, brs. N. and S.  
19.55 Top of ascent; thence over rolling land.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of  
stone, for ¼ sec. cor., marked on brass cap

S33

¼

S 4  
1916

51.20 and raise a mound of stone, 3 ft. base, 2½ ft. high,  
N. of cor.  
Center of wash, 1 ch. wide, 5 ft. deep, course S. Asc.  
60 ft. to  
68.54 Spur, slopes S. Desc. 20 ft. to  
78.50 Center of wash, 1 ch. wide, 10 ft. deep, course S.  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 3, 4, 33 and 34, marked on  
brass cap

T12N R13W  
S33 | S34

S 4 | S 3  
T11N  
1916

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
W. of cor.  
Land, broken.  
Soil, decomposed granite; 4th rate.  
No timber.  
Undergrowth, palo verde, greasewood, sagebrush and cactus.  
Drainage, S.

Boundaries of West half of Township 12 North, Range 13 West.  
Latitudes, Departures, and Closing Errors.

| Line designated.                     | True Bearing. | Dist.       | Latitudes. |        | Departures. |             |
|--------------------------------------|---------------|-------------|------------|--------|-------------|-------------|
|                                      |               |             | N.         | S.     | E.          | W.          |
| South boundary                       | West,         | chs. 238.51 |            |        |             | chs. 238.51 |
| West boundary                        | North,        | 460.47      | 460.47     |        |             |             |
| North boundary<br>(3rd. Std. Par. N) | East,         | 239.08      |            |        | 239.08      |             |
| Subdivisional<br>bdy.                | S. 0° 2' E.   | 460.48      |            | 460.48 | .27         |             |
| Convergency,                         |               |             |            |        | .24         |             |
| Totals,                              |               |             | 460.47     | 460.48 | 239.59      | 238.51      |
|                                      |               |             |            | 460.47 | 238.51      |             |
| Error in latitude,                   |               |             |            | .01    |             |             |
| Error in departure,                  |               |             |            |        | 1.08        |             |



CERTIFICATE OF ASSISTANTS.

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

T 10 N, Rqs. 15, 16, 17, 18, and 19 W.

T 11 N, Rqs. 14, 15, 16, 17 and 18 W;

T 12 N, Rqs. 13, 14, 15, 16, 17, 18, 19, and 20 W.

embraced in Group # 8

of the Gila and Salt River Meridian, in the State of Arizona which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

| NAME.            | PERIOD OF SERVICE. |                 | CAPACITY.    |
|------------------|--------------------|-----------------|--------------|
|                  | BEGUN.             | ENDED.          |              |
| B. E. Gilpin.    | Oct. 23-1915       | April-27-1916   | 1st chairman |
| John D. Baggio   | Oct. 23-1915       | April-27-1916   | 2nd chairman |
| Darryl P. ...    | Oct. 23-1915       | Feb. 11-1916    | flagman      |
| Clayton Barrett, | Oct. 23-1915       | Nov.-12-1915    | axman        |
| John S. ...      | Oct. 23-1915       | April-27-1916   | monumentman  |
| Ben. J. ...      | Oct. 23-1915       | Nov. 29-1916    | 1st chairman |
| Everett B. White | Oct. 23-1915       | Nov. 29-1915    | 2nd chairman |
| J. H. Harmon     | Nov. 3-1915        | March-16-1916   | monumentman  |
| Donald Southward | Nov. 3-1915        | Nov. 29-1916    | flagman      |
| Marc Ames        | Nov. 3-1915        | Nov. 12-1915    | axman        |
| E. A. Lightfoot  | Dec. 1, 1915       | Jan. 24, 1916   | monumentman  |
| Clyde Smith      | Dec. 1, 1915       | March, 16, 1916 | flagman      |
| Leon ...         | Nov. 13, 1915      | Nov. 30, 1915   | axman        |
| J. H. Harmon     | Mar. 20, 1916      | April-14-1916   | flagman      |

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

