

Subdivisions

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of

Township 15 North, Range 20 West,

2944

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

### EXECUTED BY

Otis Ross, U. S. Surveyor,

and

John Gonin, U. S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated Dec. 28,, 1914,

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

Group No. 42, which were approved by the Commissioner of the General Land

Office, Jan. 22,, 1915.

Survey commenced April 26,, 1915.

Survey completed May 18,, 1915.

Executed under assignment  
Instructions dated April 1, 1915.

2944

1A

Book "L"

Group 42 Arizona

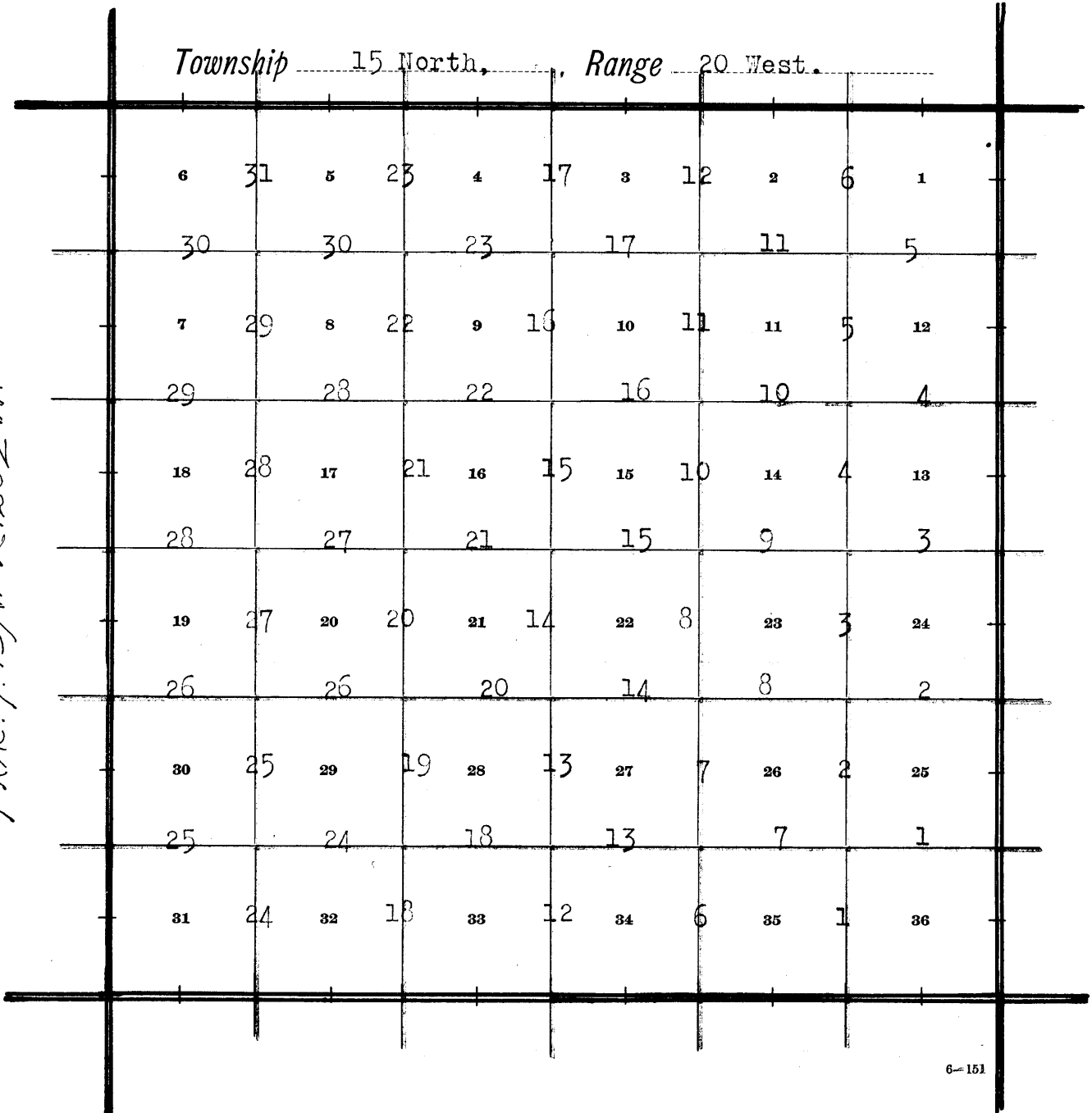
(Subdivisions)

BOOK 204

### INDEX DIAGRAM.

Township 15 North, Range 20 West.

FRAC. 7 15 N. - R. 20 1/2 W.



6-151

Subdivision lines this group

Township Exteriors. Notes in Book "A"

## Subdivision of T. 15 N., R. 20 W.

## Chains.

Survey commenced Apr. 26, 1915, and executed jointly by Otis Ross, U. S. Surveyor, and John Gonin, U. S. Transitman, with Young and Sons' light mountain transits Nos. 8487, and 7636, respectively, with Smith solar attachments. For description of instruments and certificate of approval, see subdivision of T. 14 N., R. 20 W. in book "H".

In the following field notes, the initials O. R. and J. G. refer to Otis Ross, U. S. Surveyor, and John Gonin, U. S. Transitman, respectively.

Knowing from recent and repeated tests of these instruments on a meridian established by observations on Polaris at elongation, that they are in adjustment, we proceed to the survey of the subdivisional lines in T. 15 N., R. 20 W.

O. R. and J. G.  
Apr. 26, 1915.

May 13, 1915: At 8 hrs. 55 m., a.m., l.m.t., I set off  $34^{\circ} 35\frac{1}{2}'$  N. on the lat. arc;  $18^{\circ} 14\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is a stone, established by O. R., as described in Book "A".

Thence I run

N.  $0^{\circ} 1'$  W., bet. secs. 35 and 36.

Over mountainous land, through scattering undergrowth.

Asc. 50 ft. to

2.20 Spur, slopes W. Desc. 155 ft. to

11.00 Asc. 65 ft. to

14.85 Desc. 45 ft. to

19.50 Wash, 50 lks. wide, course S.  $30^{\circ}$  W. Asc. 95 ft. to

32.75 Desc. 20 ft. to

36.00 Enter wash, course W.

40.00 Impracticable to set an iron post at this point. Set a malpais stone, 13 X 8 X 6 ins., 9 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

44.60 Leave wash, course W. Asc. broken SW. slope, 65 ft. to

52.15 Desc. 30 ft. to

56.60 Asc. 170 ft. to

72.10 Spur, slopes W. Desc. 80 ft. to

80.00 Impracticable to set an iron post at this point. Set a granite stone, 12 X 10 X 6 ins., 8 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S. and E. edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky, 3rd and 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

East on a random line, bet. secs. 25 and 36.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect E. bdy. of Tp., 8 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established by me, as described in Book "A".

Thence I run

N.  $89^{\circ} 57'$  W., on a true line, bet. secs. 25 and 36.

Over level land, through scattering undergrowth.

40.00 Impracticable to set an iron post at this point. Set a malpais stone, 12 X 8 X 6 ins., 8 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.

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Subdivision of T. 15 N., R. 20 W.

2

Chains.	
42.50	Center of wash, 1 ch. wide, course S.
50.50	Leave level, enter mountainous land. Asc. 95 ft. to
62.50	Spur, slopes S. 70° W. Desc. 100 ft. to
71.65	Asc. 20 ft. to
79.30	Desc. 30 ft. to
80.00	The cor. of secs. 25, 26, 35 and 36. Land, level and mountainous. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 13, 1915: At this cor., I set off 18° 16' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 36 $\frac{1}{2}$ ' N.
	N.0° 1' W., bet. secs. 25 and 26. Over mountainous land, through scattering undergrowth. Desc. 85 ft. to
9.75	Center of wash, 150 lks. wide, course W. Asc. 135 ft. to
18.00	Spur, slopes W. Desc. 65 ft. to
22.35	Asc. 85 ft. to
29.00	Spur, slopes W. Desc. 75 ft. to
33.35	Thence over level land.
40.00	Impracticable to set an iron post at this point. Set a granite stone, 14 X 8 X 8 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
45.00	Center of wash, 1 ch. wide, course W. Asc. 55 ft. to
56.00	Desc. 55 ft. to
59.85	Thence over level land.
66.00	Center of wash, 150 lks. wide, course S. 45° W.
69.05	Asc. 45 ft. to
73.00	Thence along E. slope.
80.00	Impracticable to set an iron post at this point. Set a malpais stone, 12 X 8 X 6 ins., 8 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked with 1 notch on E. and 2 notches on S. edge; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level and mountainous. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.
40.00	S.89° 57' E., on a random line, bet. secs. 24 and 25. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy. of Tp., 7 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is a stone, established by me, as described in Book "A". Thence I run West on a true line, bet. secs. 24 and 25. Over mountainous land, through scattering undergrowth. Desc. 200 ft. to
9.05	Center of wash, 1 ch. wide, course N. 70° W. Asc. 100 ft. to
15.60	Across top of spur, slopes N. 70° W.
17.75	Desc. 105 ft. to
23.40	Thence along S. slope to
28.20	Asc. 20 ft. to
30.80	Desc. 100 ft. to
40.02	Impracticable to set an iron post at this point. Set a granite stone, 12 X 6 X 6 ins., 8 ins. in the ground,

Subdivision of T. 15 N., R. 20 W.

3.

<p>Chains.</p> <p>53.05</p> <p>61.05</p> <p>65.50</p> <p>71.75</p> <p>80.04</p>	<p>for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{2}</math> on N. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p> <p>Thence over rolling land.</p> <p>Desc. 70 ft. to</p> <p>Asc. 25 ft. to</p> <p>Desc. broken slope, 50 ft. to</p> <p>Wash, course SW. Asc. 65 ft. to</p> <p>The cor. of secs. 23, 24, 25 and 26.</p> <p>Land, rolling and mountainous.</p> <p>Soil, 3rd and 4th rate.</p> <p>No timber.</p> <p>Undergrowth, greasewood, palo verde, and cacti.</p> <p>May 13, 1915.</p>
<p>9.65</p> <p>11.00</p> <p>18.00</p> <p>30.55</p> <p>38.60</p> <p>40.00</p> <p>40.80</p> <p>42.00</p> <p>56.50</p> <p>65.85</p> <p>69.65</p> <p>80.00</p>	<p>May 14, 1915.</p> <p>N.0° 1' W., bet. secs. 23 and 24.</p> <p>Over mountainous land, through scattering undergrowth.</p> <p>Asc. abruptly 235 ft. to</p> <p>Thence across top of spur.</p> <p>Spur, slopes S. 30° W. Desc. 190 ft. to</p> <p>Head of gulch, course NW. Asc. 150 ft. to</p> <p>Spur, slopes N. 70° W. Desc. abruptly 300 ft. to</p> <p>Thence over level land.</p> <p>Set a malpais stone, 12 X 8 X 6 ins., 8 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on W. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Desc. 35 ft. to</p> <p>Enter wash, course N. 70° W.</p> <p>Leave wash, course N. 70° W. Asc. 120 ft. to</p> <p>Desc. 80 ft. to</p> <p>Asc. 100 ft. to</p> <p>Impracticable to set an iron post at this point. Set a malpais stone, 18 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked with 1 notch on E. and 3 notches on S. edge; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Land, level and mountainous.</p> <p>Soil, rocky, 3rd and 4th rate.</p> <p>No timber.</p> <p>Undergrowth, greasewood, palo verde and cacti.</p> <p>May 14, 1915: At this cor., I set off 18° 31' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 38<math>\frac{1}{2}</math>' N.</p>
<p>40.00</p> <p>79.98</p> <p>14.65</p> <p>22.50</p> <p>24.20</p> <p>27.10</p> <p>31.00</p> <p>36.10</p> <p>39.99.</p> <p>55.75</p>	<p>East on a random line, bet. secs. 13 and 24.</p> <p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>Intersect E. bdy. of Tp., at the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by me, as described in Book "A".</p> <p>Thence I run</p> <p>West on a true line, bet. secs. 13 and 24.</p> <p>Over level land, through scattering undergrowth.</p> <p>Desc. 50 ft. to</p> <p>Thence over rolling land.</p> <p>Center of wash, 1 ch. wide, course N. 70° W.</p> <p>Desc. 25 ft. to</p> <p>Thence over rolling land.</p> <p>Asc. 55 ft. to</p> <p>Set a malpais stone, 14 X 8 X 6 ins., 10 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on N. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p> <p>Desc. 145 ft. to</p> <p>Wash, 50 lks. wide, course N. 80° W.</p>

Chains.	Asc. 210 ft. to
68.10	Desc. 20 ft. to
69.80	Asc. 75 ft. to
77.00	Spur, slopes NW. and SE. Desc. 110 ft. to
79.98	The cor. of secs. 13, 14, 23 and 24. Land, rolling, level and mountainous. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.
N.0° 1' W., bet. secs. 13 and 14. Over mountainous land, through scattering undergrowth. Asc. 60 ft. to	
2.75	Spur, slopes N. 70° W. Desc. 280 ft. to
13.30	Center of wash, 75 lks. wide, course S. 85° W. Thence over level land.
27.50	Center of wash, 2 chs. wide, course S. 70° W. Asc. 45 ft. to
32.40	Desc. 50 ft. to
34.30	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 1915 on S. rim; $\frac{1}{4}$ in N., S13 in E. and S14 in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Asc. 20 ft. to
41.60	Thence along W. slope.
44.70	Desc. 20 ft. to
48.65	Asc. 15 ft. to
51.75	Thence along W. slope.
56.85	Desc. 30 ft. to
60.80	Asc. 25 ft. to
64.00	Chemehuevis Mountain Divide, brs. E. and W. Desc. slightly to
74.10	Desc. 25 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap 1915 on S. rim; T15N R20W in N. half; S11 in NW., S12 in NE., S13 in SE. and S14 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level, rolling and mountainous. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, and cacti.
40.00	East on a random line, bet. secs. 12 and 13. Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect E. bdy. of Tp., 14 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by me, as described in Book "A". Thence I run S.89° 54' W., on a true line, bet. secs. 12 and 13. Over level land, through scattering undergrowth.
1.10	Desc. 35 ft. to
4.55	Asc. 30 ft. to

## Subdivision of T. 15 N., R. 20 W.

5.

Chains.  
 8.45 Thence over level land.  
 15.65 Desc. 30 ft. to  
 18.60 Asc. 30 ft. to  
 26.50 Thence over level land.  
 35.65 Asc. 20 ft. to  
 37.90 Desc. 25 ft. to  
 39.94 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  
 1915 on S. rim;  
 S12 in N.,  
 S13 in S. and  
 $\frac{1}{4}$  in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 Thence over level land.  
 46.30 Asc. 25 ft. to  
 50.25 Desc. 25 ft. to  
 52.35 Asc. 20 ft. to  
 56.30 Desc. 25 ft. to  
 59.30 Asc. 30 ft. to  
 63.30 Desc. 30 ft. to  
 65.75 Asc. 20 ft. to  
 69.70 Desc. 30 ft. to  
 76.90 Center of wash, 1 ch. wide, course N. 45° W.  
 79.88 The cor. of secs. 11, 12, 13 and 14.  
 Land, level and low rolling ridges.  
 Soil, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 May 14, 1915.

May 15, 1915.  
 N.0° 1' W., bet. secs. 11 and 12.  
 Over rolling land, through scattering undergrowth.  
 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  
 1915 on S. rim;  
 $\frac{1}{4}$  in N.,  
 S12 in E. and  
 S11 in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 53.00 Center of wash, 1 ch. wide, course NW.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap  
 1915 on S. rim;  
 T15N R20W in N. half;  
 S2 in NW.,  
 S1 in NE.,  
 S12 in SE. and  
 S11 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

N.89° 54' E., on a random line, bet. secs. 1 and 12.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.91 Intersect E. bdy. of Tp., 7 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, established by me, as described in Book "A".

6

## Subdivision of T. 15 N., R. 20 W.

Chains.

- Thence I run  
S.89° 51' W., on a true line, bet. secs. 1 and 12.  
Over rolling land, through scattering undergrowth.  
Desc. 35 ft. to  
10.00 Asc. 30 ft. to  
14.90 Desc. 30 ft. to  
24.90 Asc. 15 ft. to  
27.90 Thence over level land,  
39.95 $\frac{1}{2}$  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  
1915 on S. rim;  
S1 in N.,  
S12 in S. and  
 $\frac{1}{4}$  in W. half;  
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
N. of cor. Pits impracticable.  
40.00 Asc. 30 ft. to  
54.90 Thence over level land.  
63.45 Desc. 45 ft. to  
69.90 Thence over level land.  
79.91 The cor. of secs. 1, 2, 11 and 12.  
Land, level and rolling.  
Soil, 3rd and 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.
- 
- 40.00 N.0° 1' W., on a random line, bet. secs. 1 and 2.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.94 Intersect N. bdy. of Tp., 2 lks. E. of the cor. of secs.  
1, 2, 35 and 36, which is an iron post, established by  
me, as described in Book "A".  
Thence I run  
S.0° 2' E., on a true line, bet. secs. 1 and 2.  
Over rolling land, through scattering undergrowth.  
39.94 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  
1915 on S. rim;  
 $\frac{1}{4}$  in N.,  
S1 in E. and  
S2 in W. half;  
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
W. of cor. Pits impracticable.  
49.95 Center of wash, 1 ch. wide, course NW.  
79.94 The cor. of secs. 1, 2, 11 and 12.  
Land, level and rolling.  
Soil, 3rd and 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.  
May 15, 1915.
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- May 12, 1915: At 8 hrs. 58 m., a.m., l.m.t., I set off 34°  
35 $\frac{1}{2}$ ' N. on the lat. arc; 17° 59' N. on the decl. arc;  
and determine a meridian with the solar at the cor. of  
secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., which  
is an iron post, established by O. R., as described in  
Book "A".  
Thence I run  
N.0° 1' W., bet. secs. 34 and 35.  
Over rolling land, through scattering undergrowth.  
Asc. 85 ft. to  
14.05 Top of small round hill. Desc. 25 ft. to  
18.65 Thence over level land.  
32.00 Center of wash, 2 chs. wide, course W.  
40.00 Set a malpais stone, 16 X 6 X 6 ins., 11 ins. in the ground,



<p>Chains.</p> <p>42.00</p> <p>53.70</p> <p>57.30</p> <p>62.25</p> <p>66.50</p> <p>75.25</p> <p>80.00</p>	<p>for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on W. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Asc. SW. slope, 175 ft. to</p> <p>Spur, slopes S. <math>30^\circ</math> W. Desc. 30 ft. to</p> <p>Asc. 70 ft. to</p> <p>Desc. 95 ft. to</p> <p>Asc. 180 ft. to</p> <p>Spur, slopes W. Desc. 135 ft. to</p> <p>Set a malpais stone, 36 X 12 X 6 ins., 27 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked with 2 notches on E. and 1 notch on S. edge; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Land, level and mountainous.</p> <p>Soil, none.</p> <p>No timber.</p> <p>Undergrowth, greasewood, palo verde and cacti.</p>	
<p>40.00</p> <p>79.90</p> <p>1.65</p> <p>5.55</p> <p>21.95</p> <p>32.70</p> <p>37.25</p> <p>39.95</p> <p>60.10</p> <p>66.50</p> <p>70.90</p> <p>75.55</p> <p>79.90</p>	<p>East on a random line, bet. secs. 26 and 35.</p> <p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>Intersect N. and S. line at the cor. of secs. 25, 26, 35 and 36.</p> <p>Thence I run</p> <p>West on a true line, bet. secs. 26 and 35.</p> <p>Over mountainous land, through scattering undergrowth.</p> <p>Along N. slope.</p> <p>Desc. 45 ft. to</p> <p>Asc. 35 ft. to</p> <p>Desc. 50 ft. to</p> <p>Asc. 20 ft. to</p> <p>Spur, slopes S. <math>15^\circ</math> W. Desc. 205 ft.</p> <p>Set a malpais stone, 14 X 8 X 6 ins., 10 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on N. face; and raise a mound stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p> <p>Center of wash, 1 ch. wide, course N. <math>70^\circ</math> W. Asc. slightly to</p> <p>Asc. 50 ft. to</p> <p>Thence along N. slope.</p> <p>Desc. 30 ft. to</p> <p>The cor. of secs. 26, 27, 34 and 35.</p> <p>Land, mountainous.</p> <p>Soil, 3rd and 4th rate.</p> <p>No timber.</p> <p>Undergrowth, greasewood, palo verde and cacti.</p> <p>May 12, 1915: At this cor., I set off <math>18^\circ 1'</math> N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is <math>34^\circ 36\frac{1}{2}'</math> N.</p>	
<p>2.30</p> <p>3.70</p> <p>5.70</p> <p>37.50</p> <p>40.00</p> <p>48.40</p> <p>52.90</p> <p>55.05</p> <p>62.50</p>	<p>N. <math>0^\circ 1'</math> W., bet. secs. 26 and 27.</p> <p>Over rolling land, through scattering undergrowth.</p> <p>Center of wash, 150 lks. wide, course W.</p> <p>Desc. 20 ft. to</p> <p>Center of wash, 2 chs. wide, course N. <math>85^\circ</math> W. Thence over level land.</p> <p>Center of wash, 1 ch. wide, course S. <math>85^\circ</math> W.</p> <p>Set a malpais stone, 14 X 8 X 6 ins., 10 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on W. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Desc. 35 ft. to</p> <p>Asc. 20 ft. to</p> <p>Desc. 45 ft. to</p> <p>Center of wash, 150 lks. wide, course S. <math>70^\circ</math> W.</p>	

Chains.	Asc. 30 ft. to Thence along W. slope.
67.70	Desc. 35 ft. to
78.60	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap
80.00	1915 on S. rim; T15N R20W. in N. half; S22 in NW., S23 in NE., S26 in SE. and S27 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, level and rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 12, 1915.
	May 14, 1915: At 7 hrs. 56 m., a.m., l.m.t., I set off 34° 37½' N. on the lat. arc; 18° 29' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27. Thence I run East on a random line, bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
79.80	Intersect N. and S. line, 8 lks. S. of the cor. of secs. 23, 24, 25 and 26. Thence I run S. 89° 57' W., on a true line, bet. secs. 23 and 26. Over mountainous land, through scattering undergrowth. Asc. 180 ft. to Spur, slopes S. Desc. 280 ft. to
9.10	Asc. 100 ft. to
19.05	Top of hill, slopes E., S., and W. Desc. abruptly 290 ft. to
22.80	Center of wash, 75 lks. wide, course N. 70° W. Then ce over level land.
37.80	Set a granite stone, 12 X 10 X 8 ins., 8 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
39.90	The cor. of secs. 22, 23, 26 and 27. Land, level and mountainous. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 14, 1915.
79.80	May 15, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 37½' N. on the lat. arc; 18° 43½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27. Thence I run N. 0° 1' W., bet. secs. 22 and 23. Over rolling and mountainous land, through scattering undergrowth.
.50	Wash, 20 lks. wide, course SW. Asc. 75 ft. to
9.71	Spur, slopes SW. Desc. 95 ft. to
15.90	Center of wash, 1 ch. wide, course SW. Asc. 70 ft. to
19.70	Thence over rolling land.
30.75	Desc. 25 ft. to
34.70	Asc. 20 ft. to
37.60	Desc. 25 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

Chains.	
	<p>ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap            1915 on S. rim;  <math>\frac{1}{4}</math> in N.,            S23 in E. and            S22 in W. half;            and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high,            W. of cor. Pits impracticable.</p>
45.00	Asc. 30 ft. to
50.00	Desc. 20 ft. to
51.55	Enter wash, course W.
64.95	Leave wash, course W. Asc. 40 ft. to
71.00	Spur, slopes W. Desc. 45 ft. to
73.30	Enter wash, course SW.
74.86	Road, brs. NE. to Yucca, and SW. to Parker. Leave wash, course SW.
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the            ground, for cor. of secs. 14, 15, 22 and 23, marked on            brass cap            1915 on S. rim;            T15N R20W in N. half;            S15 in NW.,            S14 in NE.,            S23 in SE. and            S22 in SW. quadrant;            and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high,            W. of cor. Pits impracticable.            Land, rolling and mountainous.            Soil, rocky, 4th rate.            No timber.            Undergrowth, greasewood, palo verde and cacti.</p>
40.00	N. $89^{\circ} 57'$ E., on a random line, bet. secs. 14 and 23. Set temp. $\frac{1}{4}$ sec. cor.
79.91	Intersect N. and S. line, 19 lks. N. of the cor. of secs. 13, 14, 23 and 24. Thence I run N. $89^{\circ} 55'$ W., on a true line, bet. secs. 14 and 23. Over mountainous land, through scattering undergrowth. Desc. 150 ft. to
10.40	Asc. 55 ft. to
13.70	Spur, slopes S. Desc. SW. slope, 190 ft. to
29.90	Thence over rolling land.
39.95 $\frac{1}{2}$	<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            1915 on S. rim;            S14 in N.,            S23 in S. and  <math>\frac{1}{4}</math> in W. half;            and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high,            N. of cor. Pits impracticable.</p>
45.15	Center of wash, 10 chs. wide, course SW.
51.20	Asc. 25 ft. to
54.60	Desc. 130 ft. to
74.90	Enter wash, course SW.
78.70	Road, brs. NE. to Yucca, and SW. to Parker.
79.40	Leave wash, course SW.
79.91	<p>The cor. of secs. 14, 15, 22 and 23.            Land, rolling and mountainous.            Soil, 3rd and 4th rate.            No timber.            Undergrowth, greasewood, palo verde and cacti.</p>

10

Subdivision of T. 15 N., R. 20 W.

Chains.	N.0° 1' W., bet. secs. 14 and 15. Over mountainous land, through scattering undergrowth. Asc. 170 ft. to
18.32	Spur, slopes SE. Desc. 40 ft. to
19.89	Wash, 20 lks. wide, course E. Asc. 40 ft. to
27.80	Spur, slopes SE. Desc. 70 ft. to
30.77	Wash, 50 lks. wide, course E. Asc. 35 ft. to
34.80	Spur, slopes SE. Desc.
37.10	Wash, 50 lks. wide, course 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 1915 on S. rim; $\frac{1}{4}$ in N., S14 in E. and S15 in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Asc. 155 ft. to
58.30	Spur, slopes E. Desc, 50 ft. to
61.10	Wash, 20 lks. wide, course E. Asc. 35 ft. to
67.70	Desc. 45 ft. to
69.55	Asc. 145 ft. to
77.95	Spur, slopes SE. Desc. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap 1915 on S. rim; T15N R20W in N. half; S10 in NW., S11 in NE., S14 in SE. and S15 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and mountainous. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 15, 1915: At this cor., I set off $18^{\circ} 45\frac{1}{2}'$ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 39'$ N.
40.00	S. $89^{\circ} 55'$ E., on a random line, bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. cor.
79.82	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 11, 12, 13 and 14. Thence I run N. $89^{\circ} 50'$ W., on a true line, bet. secs. 11 and 14. Over rolling land, through scattering undergrowth.
24.90	Asc. 30 ft. to
28.60	Across top of Chemehuevis Mountain Divide, brs. NW. and SE.
30.90	Desc. 70 ft. to
39.91	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 1915 on S. rim; S11 in N., S14 in S. and $\frac{1}{4}$ in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Thence over rolling land.
46.10	Road, brs. N. to Yucca, and S. to Parker.
50.10	Asc. 70 ft. to
56.40	Desc. 40 ft. to
58.60	Asc. 40 ft. to
61.40	Desc. 15 ft. to
63.30	Asc. 45 ft. to

Subdivision of T. 15 N., R. 20 W. 11.

Chains. 71.80 79.82	<p>Desc. 15 ft. to The cor. of secs. 10, 11, 14 and 15. Land, rolling and mountainous. Soil, 3rd rate, sandy. No timber. Undergrowth, greasewood, palo verde and cacti.</p> <p style="text-align: right;">J. G. May 15, 1915.</p>
5.00 9.75 15.90 20.10 40.00	<p>May 15, 1915: O. R. N.0° 1' W., bet. secs. 10 and 11. Over low, rolling ridges, through scattering undergrowth. Asc. 20 ft. to Chemehuevis Mountain Divide, brs. E. and W. Desc. 30 ft. to Asc. 30 ft. to Desc. 20 ft. to Thence over level land. 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 1915 on S. rim; <math>\frac{1}{4}</math> in N., S11 in E. and S10 in W. half; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p>
57.00 78.00 80.00	<p>Wash, 50 lks. wide, course E. Wash, 50 lks. wide, course E. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap 1915 on S. rim; T15N R20W in N. half; S3 in NW., S2 in NE., S11 in SE. and S10 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p>
40.00 79.98	<p>Land, level and rolling. Soil, 2nd and 3rd rate. No timber. Undergrowth, greasewood, palo verde and cacti.</p> <p style="text-align: right;">O. R. May 15, 1915.</p>
13.25 29.00 31.00 39.99	<p>May 18, 1915: J. G. S.89° 50' E., on a random line, bet. secs. 2 and 11. Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect N. and S. line, 33 lks. S. of the cor. of secs. 1, 2, 11 and 12. Thence I run S.89° 56' W., on a true line, bet. secs. 2 and 11. Over rolling land, through scattering undergrowth.</p>
66.50	<p>Center of wash, 1 ch. wide, course N. Road, brs. N. to Yucca, and S. to Parker. Center of wash, 1 ch. wide, course N. 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 1915 on S. rim; S2 in N., S11 in S. and <math>\frac{1}{4}</math> in W. half; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable. Wash, 50 lks. wide, course N.30° E.</p>

Chains	
79.98	The cor. of secs. 2, 3, 10 and 11. Land, level and rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. J. G.
40.00	O. R. N.0° 1' W., on a random line, bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor.
79.85	Intersect N. bdy. of Tp., 5 lks. E. of the cor. of secs. 2, 3, 34 and 35, which is an iron post, established by J.G. as described in Book "A". Thence I run S.0° 3' E., on a true line, bet. secs. 2 and 3. Over level land, through scattering undergrowth.
2.95	Wash, course NE.
14.95	Desc. 25 ft. to
20.40	Wash, 30 lks. wide, course NE. Asc. 50 ft. to
28.30	Desc. 20 ft. to
39.85	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 1915 on S. rim; $\frac{1}{4}$ in N., S2 in E. and S3 in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W of cor. Pits impracticable.
40.40	Wash, 50 lks. wide, course NE.
49.50	Wash, 20 lks. wide, course NE. Asc. 75 ft. to
79.85	The cor. of secs. 2, 3, 10 and 11. Land, level and rolling. Soil, rocky, 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 18, 1915.
	May 13, 1915. At 8 hrs. 0 m., a.m., l.m.t., I set off 34° 35 $\frac{1}{2}$ ' N. on the lat. arc; 18° 14' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., which is a stone, established by me, as described in Book "A". Thence I run N.0° 2' W., bet. secs. 33 and 34. Over mountainous land, through scattering undergrowth. Desc. 120° ft. to
8.90	Wash, 20 lks. wide, course NW. Asc. 25 ft. to
11.75	Spur, slopes W. Desc. to
17.95	Wash, 1 ch. wide, course W. Asc. 65 ft. to
24.75	Spur, slopes W. Desc. 45 ft. to
26.94	Wash, 30 lks. wide, course SW. Asc. 180 ft.
40.00	Point for cor. falls on stone in place, 6 X 3 X 2 ft. above ground. Marka (X) cross at the exact corner point for $\frac{1}{4}$ sec. cor., with $\frac{1}{4}$ W. of same, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
42.49	Ridge, brs. NW. and SE. Desc. 215 ft. to
58.53	Center of wash, 1 ch. wide, course SW. Asc. SE. slope, 180 ft. to
66.87	Spur, slopes SW. Desc. NW. slope, 185 ft. to
76.98	Center of wash, 2 chs. wide, course W. Asc. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs, 27, 28, 33 and 34, marked on brass cap 1915 on S. rim;

## Chains.

	<p>T15N R20W in N. half;  S28 in NW.,  S27 in NE.,  S34 in SE. and  S33 in SW. quadrant;  and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high,  W. of cor. Pits impracticable.  Land, mountainous.  Soil, rocky, 4th rate.  No timber.  Undergrowth, greasewood, palo verde and cacti.</p>
40.00	East on a random line, bet. secs. 27 and 34.
80.26	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 26 lks. N. of the cor. of secs. 26, 27, 34 and 35. Thence I run N. $89^{\circ} 49'$ W., on a true line, bet. secs. 27 and 34. Over rolling and broken land, through scattering undergrowth. Asc. slightly to
5.45	Spur, slopes N. Desc. 65 ft. to
14.35	Center of wash, 2 chs. wide, course NW. Asc. 25 ft. to
19.30	Spur, slopes N. Desc. 65 ft. to
27.80	Thence over rolling land.
40.13	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 1915 on S. rim; S27 in N., S34 in S. and $\frac{1}{4}$ in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
64.80	Wash, 50 lks. wide, course NW. Asc. 15 ft. to
67.55	Desc. 25 ft. to
67.55	Enter wash, course WSW.
70.00	Leave wash, course WSW. Asc. to
80.26	The cor. of secs. 27, 28, 33 and 34. Land, rolling and broken. Soil, rocky, 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.
5.80	N. $0^{\circ} 2'$ W., bet. secs. 27 and 28. Over level, rocky land, through scattering undergrowth. Center of wash, 1 ch. wide, course SW.
20.00	Leave level land, asc. S. slope, 140 ft.
25.25	Desc. 170 ft. to
30.79	Center of wash, 1 ch. wide, course SW. Thence over roll- ing land.
32.32	Road, brs. NE. to Yucca, and SW. to Parker.
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 1915 on S. rim; $\frac{1}{4}$ in N., S27 in E. and S28 in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Desc. 20 ft. to
44.85	Asc. 75 ft. to
53.44	Ridge, brs. E. and W. Desc. 85 ft. to
63.65	Enter wash, course NW.
76.16	Leave wash, course NW. Asc. S. slope, 35 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on

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Subdivision of T. 15 N., R. 20 W.

Chains.

brass cap

1915 on S. rim;  
 T15N R20W in N. half;  
 S21 in NW.,  
 S22 in NE.,  
 S27 in SE. and  
 S28 in SW. quadrant;

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

Land, rolling and level.

Soil, rocky, 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

40.00 S.  $89^{\circ} 49'$  E., on a random line, bet. secs. 22 and 27.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.08 Intersect N. and S. line, 16 lks. S. of the cor. of secs.  
 22, 23, 26 and 27.  
 Thence I run  
 N.  $89^{\circ} 56'$  W., on a true line, bet. secs. 22 and 27.  
 Over rolling land, through scattering undergrowth.  
 7.90 Wash, 50 lks. wide, course SW. Asc. 75 ft. to  
 11.15 Spur, slopes SW. Desc. 120 ft. to  
 28.40 Wash, 50 lks. wide, course SW. Asc. slightly to  
 38.80 Spur, slopes SW. Desc. 60 ft.  
 40.04 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  
 1915 on S. rim;  
 S22 in N.,  
 S27 in S. and  
 $\frac{1}{4}$  in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.  
 45.00 Thence over rolling land.  
 55.50 Road, brs. NE. to Yucca, and SW. to Parker.  
 80.08 The cor. of secs. 21, 22, 27 and 28.  
 Land, rolling.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 No grass.

May 13, 1915.

May 14, 1915: At 8 hrs. 0 m., a.m., 1.m.t., I set off  $34^{\circ}$   
 $37\frac{1}{2}'$  N. on the lat. arc;  $18^{\circ} 29'$  N. on the decl. arc;  
 and determine a meridian with the solar at the cor. of  
 secs. 21, 22, 27 and 28.  
 Thence I run  
 N.  $0^{\circ} 2'$  W., bet. secs. 21 and 22.  
 Over mountainous land, through scattering undergrowth.  
 Desc. 45 ft. to  
 6.46 Wash, 50 lks. wide, course W. Asc. slightly to  
 10.00 Spur, slopes SW. Desc. 40 ft. to  
 14.73 Center of wash, 1 ch. wide, course NW. Asc. 140 ft. to  
 29.65 Spur, slopes NW. Desc. 100 ft. to  
 37.17 Center of wash, 3 chs. wide, course SW. Asc. 65 ft. to  
 40.00 Set a malpais stone, 18 X 8 X 8 ins., 12 ins. in the ground,  
 for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound  
 of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits  
 impracticable.  
 44.90 Spur, slopes SW. Desc. 55 ft. to



Subdivision of T. 15 N., R. 20 W.

15.

Chains. 49.84 80.00	<p>Wash, 50 lks. wide, course W. Asc. SW. slope, 230 ft. to</p> <p>Set a malpais stone, 24 X 12 X 8 ins., 18 ins. in the ground, for cor. of sec. 15, 16, 21 and 22, marked with 3 notches on S. and E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.</p> <p>Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. No grass.</p> <p style="text-align: right;">May 14, 1915.</p>
40.00 80.30  14.30 18.10 22.10 36.30 40.15	<p>May 15, 1915: At 8 hrs. O.m., a.m., l.m.t., I set off 34° 38½' N. on the lat. arc; 18° 43½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 15, 16, 21 and 22.</p> <p>Thence I run S.89° 56' E., on a random line, bet. secs. 15 and 22.</p> <p>Set temp. ¼ sec. cor.</p> <p>Intersect N. and S. line, 5 lks. S. of the cor. of secs. 14, 15, 22 and 23.</p> <p>Thence I run N.89° 58' W., on a true line, bet. secs. 15 and 22. Over rolling land, through scattering undergrowth. Asc. slightly to</p> <p>Asc. 65 ft. to</p> <p>Spur, slopes SW. Desc. 45 ft. to</p> <p>Desc. slightly to</p> <p>Desc. 75 ft. to</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 1915 on S. rim; S15 in N., S22 in S. and ¼ in W. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.</p> <p>Thence over level land.</p>
51.30  66.30 80.30	<p>Center of wash, 1 ch. wide, course S.30° W. Asc. SE. slope, 370 ft. to</p> <p>Spur, slopes S. Desc. 320 ft. to</p> <p>The cor. of secs. 15, 16, 21 and 22. Land, level, rolling and mountainous. Soil, rocky, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.</p>
15.80 40.00	<p>N.0° 2' W., bet. secs. 15 and 16. Over mountainous land, through scattering undergrowth. Asc. abruptly, 505 ft. to</p> <p>Spur, brs. S.70° E. and N.70° W. Desc. 435 ft. to</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 1915 on S. rim; ¼ in N., S15 in E. and S16 in W. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.</p>
41.00 44.95 47.00 60.00	<p>Asc. 45 ft. to</p> <p>Desc. 30 ft. to</p> <p>Wash, 50 lks. wide, course S. 80° W. Asc. abruptly 325 ft. to</p> <p>Spur, slopes N. 70° W., and S. 70° E. Desc. 105 ft. to</p>

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Subdivision of T. 15 N., R. 20 W.

Chains.	
68.85	Asc. 100 ft. to
73.80	Thence along E. slope.
80.00	Set a malpais stone, 24 X 14 X 8 ins., 18 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked with 3 notches on E. and 4 notches on S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, rocky, 4th rate.
	No timber.
	Undergrowth, greasewood, palo verde and cacti.
	May 15, 1915: At this cor., I set off 18° 45½' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 39' N.
	S. 89° 58' E., on a random line, bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 17 lks. S. of the cor. of secs. 10, 11, 14 and 15.
	Thence I run
	S. 89° 55' W., on a true line, bet. secs. 10 and 15.
	Over rolling land, through scattering undergrowth.
	Asc. 40 ft. to
5.90	Thence along S. slope.
13.10	Desc. 25 ft. to
14.65	Asc. 120 ft. to
37.10	Top of small hill slopes S., E., and W. Desc. 75 ft. to
40.00	Set a granite stone, 12 X 8 X 6 ins., 8 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	Desc. gradually to
44.60	Center of wash, 75 lks. wide, course S. 15° E.
	Asc. 150 ft. to
61.10	Asc. gradually to
69.10	Asc. 135 ft. to
80.00	The cor. of secs. 9, 10, 15 and 16.
	Land, rolling and mountainous.
	Soil, 3rd and 4th rate.
	No timber.
	Undergrowth, greasewood, palo verde and cacti.
	O. R.
	May 15, 1915.
	May 17, 1915: J. G.
	At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 39' N. on the lat. arc; 19° 11½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 9, 10, 15, 16
	Thence I run
	N. 0° 2' W., bet. secs. 9 and 10.
	Over mountainous land, through scattering undergrowth.
3.95	Asc. 45 ft. to
8.00	Chemehuevis Mountain Divide, brs. E. and S. 70° W. Desc. 75 ft. to
15.80	Asc. 25 ft. to
16.80	Thence along W. slope.
25.30	Desc. 75 ft. to
33.20	Desc. slightly to
40.00	Set a granite stone, 14 X 8 X 8 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Thence over level land.
56.00	Desc. 60 ft. to

Chains.	
64.50	Center of wash, 1 ch. wide, course NE. Asc. 85 ft. to
75.70	End of spur, brs. E. Desc. 85 ft. to
75.50	Asc. 45 ft. to
80.00	Set a granite stone, 12 X 8 X 6 ins., in a mound of stone, for cor. of secs. 3, 4, 9 and 10, marked with 3 notches on E. and 5 notches on S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, level and rolling. Soil, rocky, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 17, 1915.
	May 18, 1915. N. 89° 55' E., on a random line, bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.84	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 2, 3, 10 and 11.
	Thence I run West on a true line, bet. secs. 3 and 10. Over low, broken ridges, through scattering undergrowth. Asc. 20 ft. to
4.00	Desc. 25 ft. to
8.00	Asc. gradually along N. slope, 90 ft. to
39.92	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1915 on S. rim; S3 in N., S10 in S. and ¼ in W. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	Asc. 50 ft. to
51.50	Ridge, brs. NE. and SW. Desc. 85 ft. to
63.40	Center of wash, 75 lks. wide, course N. 20° E. Asc. 75 ft. to
68.25	Desc. 30 ft. along N. slope, to
79.84	The cor. of secs. 3, 4, 9 and 10. Land, rolling and broken. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 18, 1915.
	May 17, 1915. N. 0° 2' W., on a random line, bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
79.78	Intersect N. bdy. of Tp., 30 lks. E. of the cor. of secs. 3, 4, 33 and 34, which is an iron post, established by me, as described in Book "A".
	Thence I run S. 0° 15' E., on a true line, bet. secs. 3 and 4. Over low, rolling ridges, through scattering undergrowth. Asc. 50 ft. to
2.80	Desc. gradually 50 ft. to
20.25	Center of wash, 75 lks. wide, course N. 70° E.
24.00	Wash, 50 lks. wide, course N. 60° E.
39.50	Center of wash, 80 lks. wide, course N. 15° E.
39.78	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1915 on S. rim; ¼ in N., S3 in E. and S4 in W. half;

Chains.	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
49.10	Asc. 60 ft. to
53.00	Desc. 40 ft. to
56.95	Asc. 75 ft. to
63.25	Desc. 30 ft. to
67.20	Asc. 60 ft. to
71.10	Thence along E. slope.
79.78	The cor. of secs. 3, 4, 9 and 10. Land, level and rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 17, 1915.
	Apr. 26, 1915: At 9 hrs. 8 m., a.m., l.m.t., I set off $34^{\circ} 35\frac{1}{2}'$ N. on the lat. arc; $13^{\circ} 19\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33, on S. bdy. of the Tps., established by O. R., as described in Book "A". Thence I run N. $0^{\circ} 2'$ W., bet. secs. 32 and 33. Over rolling land, through scattering undergrowth. Asc. 25 ft. to 9.50 Desc. 25 ft. to 16.90 Center of wash, 1 ch. wide, course SSW. 21.05 Road, brs. NE. to Yucca, and SW. to Parker. 26.00 Center of wash, 2 chs. wide, course SW. 38.00 Center of wash, 1 ch. wide, course S. $30^{\circ}$ W. 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 1915 on S. rim; $\frac{1}{4}$ in N., S33 in E. and S32 in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. 43.50 Center of wash, 150 lks. wide, course S. $15^{\circ}$ W. Asc. 205 ft. 64.00 White lime bank, slopes E. and W. Continue asc. 75.25 Ridge, brs. E. and W. Desc. 125 ft. to 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap 1915 on S. rim; T15N R20W in N. half; S29 in NW., S28 in NE., S33 in SE. and S32 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and mountainous. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. J. G. Apr. 26, 1915.
	May 13, 1915: O. R. East on a random line, bet. secs. 28 and 33. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 79.80 Intersect N. and S. line, 37 lks. S. of the cor. of secs. 27, 28, 33 and 34. Thence I run S. $89^{\circ} 44'$ W., on a true line, bet. secs. 28 and 33.

1915 2044

Subdivision of T. 15 N., R. 20 W.

19.

Chains.

Over rolling land, through scattering undergrowth.  
 10.48 Enter wash, course SW.  
 24.98 Leave wash, course SW. Asc. 35 ft. to  
 28.64 Spur, slopes SW. Desc. 70 ft.  
 38.50 Road, brs. NE. to Yucca, and SW. to Parker.  
 39.80 Center of wash, 1 ch. wide, course SW.  
 39.90 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  
 1915 on S. rim;  
 S28 in N.,  
 S33 in S. and  
 $\frac{1}{4}$  in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.  
 60.00 Asc. 20 ft. to  
 63.00 Desc. 20 ft. to  
 64.95 Asc. 15 ft. to  
 66.95 Desc. 15 ft. to  
 79.80 The cor. of secs. 28, 29, 32 and 33.  
 Land, rolling.  
 Soil, gravelly, 4th rate.  
 No timber.  
 Undergrowth, greasewood; palo verde and cacti.  
 May 13, 1915: At this cor., I set off  $18^{\circ} 16'$  N. on the  
 decl. arc; and at apparent noon, I observe the sun on  
 the meridian; the resulting lat. is  $34^{\circ} 36\frac{1}{2}'$  N.  
 O. R.  
 May 13, 1915.

Apr. 27, 1915. J. G.  
 At 8 hrs. 45 m., a.m., l.m.t., I set off  $34^{\circ} 36\frac{1}{2}'$  N. on the  
 lat. arc;  $13^{\circ} 39'$  N. on the decl. arc; and determine a  
 meridian with the solar at the cor. of secs. 28, 29,  
 32 and 33.  
 Thence I run  
 N.  $0^{\circ} 2'$  W., bet. secs. 28 and 29.  
 Over rolling ridges, through scattering undergrowth.  
 Asc. 35 ft. to  
 7.95 Desc. 95 ft. to  
 16.00 Center of wash, 1 ch. wide, course WNW.  
 28.00 Center of wash, 1 ch. wide, course WSW.  
 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  
 1915 on S. rim;  
 $\frac{1}{4}$  in N.,  
 S28 in E. and  
 S29 in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 45.70 Enter wash, course SSW.  
 49.50 Leave wash, course SSW.  
 67.80 Asc. 25 ft. to  
 77.20 Desc. 30 ft. to  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 20, 21, 28 and 29, marked on  
 brass cap  
 1915 on S. rim;  
 T15N R20W in N. half;  
 S20 in NW.,  
 S21 in NE.,  
 S28 in SE. and  
 S29 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

20

Subdivision of T. 15 N., R. 20 W.

Chains.

J. G.  
Apr. 27, 1915.

May 13, 1915: O. R.  
N.  $89^{\circ} 44'$  E., on a random line, bet. secs. 21 and 28.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.06 Intersect N. and S. line, 5 lks. N. of the cor. of secs.  
21, 22, 27 and 28.  
Thence I run  
S.  $89^{\circ} 46'$  W., on a true line, bet. secs. 21 and 28.  
Over rolling land, through scattering undergrowth.  
Desc. 25 ft., along S. slope, to  
5.00 Asc. 20 ft. to  
8.47 Desc. 50 ft. to  
12.18 Wash, 50 lks. wide, course S. Asc. 65 ft. to  
17.09 Spur, slopes S. Desc. 75 ft. to  
26.30 Enter wash, course W.  
40.03 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  
1915 on S. rim;  
S21 in N.,  
S28 in S. and  
 $\frac{1}{4}$  in W. half;  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor. Pits impracticable.  
42.50 Leave wash, course SW. Asc. 95 ft. to  
53.38 Spur, slopes S. Desc. 120 ft. to  
80.06 The cor. of secs. 20, 21, 28 and 29.  
Land, rolling.  
Soil, rocky, 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.  
No grass.

O. R.  
May 13, 1915.

Apr. 29, 1915: J. G.  
At 8 hrs. 30 m., a.m., l.m.t., I set off  $34^{\circ} 37\frac{1}{2}'$  N. on  
the lat. arc;  $14^{\circ} 16\frac{1}{2}'$  N. on the decl. arc; and deter-  
mine a meridian with the solar at the cor. of secs. 20,  
21, 28 and 29.  
Thence I run  
N.  $0^{\circ} 2'$  W., bet. secs. 20 and 21.  
Over rolling land, through scattering undergrowth.  
Desc. 20 ft. to  
3.20 Center of wash, 3 chs. wide, course SW. Asc. gradually  
90 ft. to  
24.65 Desc. slightly to  
39.50 Wash, 50 lks. wide, course SW.  
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  
1915 on S. rim;  
 $\frac{1}{4}$  in N.,  
S21 in E. and  
S20 in W. half;  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor. Pits impracticable.  
Thence over level land.  
69.40 Asc. 70 ft. to  
76.50 Thence along W. slope.  
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for cor. of secs. 16, 17, 20 and 21, marked on  
brass cap  
1915 on S. rim;

Subdivision of T. 15 N., R. 20 W.

21.

Chains.

T15N R20W in N. half;  
S17 in NW.,  
S16 in NE.,  
S21 in SE and  
S20 in SW: quadrant;

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

Land, rolling.

Soil, 3rd and 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

J. G.

Apr. 29, 1915.

May 14, 1915: O. R.

N.  $89^{\circ} 46'$  E., on a random line, bet. secs. 16 and 21.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.90 Intersect N. and S. line at the cor. of secs. 15, 16, 21  
and 22.

Thence I run

S.  $89^{\circ} 46'$  W., on a true line, bet. secs. 16 and 21.

Over rolling land, through scattering undergrowth.

Desc. 140 ft. to

14.85 Asc. 40 ft. to

21.60 Spur, slopes S. Desc. 30 ft. to

25.45 Wash, 50 lks. wide, course S. Asc. 20 ft. to

27.23 Spur, slopes S. Desc. 20 ft. to

29.71 Center of wash, 3 chs. wide, course S. Asc. 40 ft. to

37.89 Desc. 85 ft. to

39.95 Set a granite stone, 16 X 8 X 8 ins., 11 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a  
mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
Pits impracticable.

44.55 Wash, 20 lks. wide, course SW. Asc. 30 ft. to

49.95 Spur, slopes S. Desc. 70 ft. to

63.80 Center of wash, 1 ch. wide, course S. Asc. 205 ft. to

73.26 Spur, slopes S. Desc. 170 ft. to

79.90 The cor. of secs. 16, 17, 20 and 21.

Land, rolling and mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, palo verde, greasewood and mesquite.

No grass.

N.  $0^{\circ} 2'$  W., bet. secs. 16 and 17.

Over mountainous land, through scattering undergrowth.

Asc. 125 ft. to

7.30 Spur, slopes SE. Desc. 40 ft. to

14.65 Ass. 45 ft. to

19.60 Desc. 35 ft. to

22.05 Wash, 20 lks. wide, course SE. Asc. 35 ft. to

25.90 Spur, slopes SE. Desc. 60 ft. to

29.49 Wash, 20 lks. wide, course SE. Asc. 40 ft. to

32.72 Spur, slopes SE. Desc. 55 ft. to

40.00 Set a granite stone, 16 X 10 X 6 ins., 11 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and  
raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of  
cor. Pits impracticable.

Asc. 320 ft. to

59.32 Spur, slopes SW. Desc. 130 ft. to

70.43 Wash, 20 lks. wide, course SW. Asc. 90 ft. to

80.00 Set a granite stone, 16 X 10 X 6 ins., 11 ins. in the  
ground, for cor. of secs. 8, 9, 16 and 17, marked

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Subdivision of T. 15 N., R. 20 W.

Chains	<p>with 4 notches on S. and E. edges; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. No grass. May 14, 1915: At this cor., I set off <math>18^{\circ} 31'</math> N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is <math>34^{\circ} 39'</math> N. O. R. May 14, 1915.</p>
40.00 79.99	<p>May 17, 1915: J. G. N. <math>89^{\circ} 46'</math> E., on a random line, bet. secs. 9 and 16. Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect N. and S. line, 21 lks. N. of the cor. of secs. 9, 10, 15 and 16. Thence I run S. <math>89^{\circ} 55'</math> W., on a true line, bet. secs. 9 and 16. Over mountainous land, through scattering undergrowth. Asc. 165 ft. to Chemehuevis Mountain Divide, brs. N. <math>70^{\circ}</math> W., and N. <math>45^{\circ}</math> E. Desc. 355 ft. to Foot of desc., asc. 50 ft. to Set a granite stone, 12 X 8 X 6 ins., 8 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on N. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable. Desc. 20 ft. to Asc. 170 ft. to Spur, slopes S. <math>20^{\circ}</math> E., and S. Desc. 105 ft. to Asc. 25 ft. to Desc. 215 ft. to The cor. of secs. 8, 9, 16 and 17. Land, mountainous and broken. Soil, 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. J. G.</p>
10.95 32.50 39.99 $\frac{1}{2}$	
42.10 54.50 59.50 60.85 79.99	
3.30 8.20 9.80 10.96 14.65 16.25 19.61 28.15 29.30 40.00	<p>O. R. N. <math>0^{\circ} 2'</math> W., bet. secs. 8 and 9. Over mountainous land, through scattering undergrowth. Wash, 20 lks. wide, course SE. Asc. 110 ft. to Spur, slopes SE. Desc. 10 ft. to Asc. 20 ft. to Ridge, brs. NW. and SE. Desc. 55 ft. to Asc. 15 ft. to Desc. 20 ft. to Wash, 20 lks. wide, course SE. Asc. 135 ft. to Desc. 15 ft. to Asc. 310 ft. to Set a granite stone, 18 X 12 X 10 ins., 12 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on W. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p>
42.56 45.66 48.31 49.10 55.22 59.45 61.37	<p>Spur, slopes SW. Desc. slightly to Head of gulch, course SW. Asc. 125 ft. to Spur, slopes SW. Desc. 25 ft. to Asc. 185 ft. to Spur, slopes E. Desc. 45 ft. to Asc. 40 ft. to Chemehuevis Mountain Divide, brs. NW. and SE. Desc. 445 ft. to</p>



Chains.	
80.00	Set an granite stone, 18 X 8 X 5 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked with 4 notches on E. and 5 notches on S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, <b>greasewood</b> , palo verde and cacti. O. R.
40.00	N.89° 55' E., on a random line, bet. secs. 4 and 9. Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 3, 4, 9 and 10. Thence I run S.89° 52' W., on a true line, bet. secs. 4 and 9. Over rolling land, through scattering undergrowth. Asc. 65 ft. to 4.25 Spur, from S. 80° E., slopes N. 45° W. Desc. 70 ft. to 9.60 Asc. 20 ft. to 16.05 Desc. 20 ft. to 32.00 Asc. 45 ft. to 40.06 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1915 on S. rim; S4 in N., S9 in S. and ¼ in W. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. Asc. 75 ft. to 47.05 Desc. 90 ft. to 57.50 Thence over rolling land. 80.12 The cor. of secs. 4, 5, 8 and 9. Land, rolling. Soil, rocky, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti. May 17, 1915: At this cor., I set off 19° 13½' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 40' N.
40.00	N.0° 2' W., on a random line, bet. secs. 4 and 5. Set temp. ¼ sec. cor.
79.76	Intersect N. bdy. of Tp., 23 lks. E. of the cor. of secs. 4, 5, 32 and 33, which is an iron post, established by me, as described in Book "A". Thence I run S.0° 12' E., on a true line, bet. secs. 4 and 5. Over rolling land, through scattering undergrowth. 4.15 Asc. 25 ft. to 8.15 Thence over rolling land. 22.45 Asc. 30 ft. to 26.45 Thence over rolling land. 39.76 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1915 on S. rim; ¼ in N., S4 in E. and S5 in W. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Asc. 70 ft. to 52.10 Desc. 20 ft. to

24

Subdivision of T. 15 N., R. 20 W.

Chains.

57.90 Asc. 135 ft. to  
 75.45 Spur, slopes NE. Desc. 25 ft. to  
 79.40 Wash, 30 lks. wide, course NE.  
 79.76 The cor. of secs. 4, 5, 8 and 9.  
 Land, rolling and broken.  
 Soil, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 May 17, 1915.

Apr. 26, 1915:  
 From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of  
 the Tp., which is an iron post, established by O. R.,  
 as described in Book "A", I run  
 N.0° 3' W., bet. secs. 31 and 32.  
 Over rolling land, through scattering undergrowth.  
 7.00 Center of wash, 150 lks. wide, course SW. Asc. 35 ft. to  
 15.00 Thence over rolling land.  
 37.50 Wash, 50 lks. wide, course SW.  
 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  
 1915 on S. rim;  
 $\frac{1}{4}$  in N.,  
 S32 in E. and  
 S31 in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 42.50 Wash, 50 lks. wide, course SSW.  
 70.00 Center of wash, 75 lks. wide, course SSW. Asc. 40 ft. to  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 29, 30, 31 and 32, marked on  
 brass cap  
 1915 on S. rim;  
 T15N R20W in N. half;  
 S30 in NW.,  
 S29 in NE.,  
 S32 in SE. and  
 S31 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 Land, rolling and broken.  
 Soil, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood and palo verde.  
 Apr. 26, 1915: At this cor., I set off 13° 22' N. on the  
 decl. arc; and at apparent noon, I observe the sun on  
 the meridian; the resulting lat. is 34° 36 $\frac{1}{2}$ ' N.

40.00 East on a random line, bet. secs. 29 and 32.  
 Set temp.  $\frac{1}{4}$  sec. cor,  
 79.84 Intersect N. and S. line, 7 lks. S. of the cor. of secs.  
 28, 29, 32 and 33.  
 Thence I run  
 S.89° 57' W., on a true line, bet. secs. 29 and 32.  
 Over rolling land, through scattering undergrowth.  
 Asc. 90 ft. to  
 15.50 Spur, slopes N. Desc. 255 ft. to  
 37.00 Foot of desc., brs. N. and S. Thence over level land.  
 39.92 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  
 1915 on S. rim;  
 S29 in N.,  
 S32 in S. and  
 $\frac{1}{4}$  in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.

Chains.	
60.00	Asc. 30 ft. to
64.60	Spur, brs. S. Desc. 55 ft. to
74.55	Asc. 25 ft. to
79.84	The cor. of secs. 29, 30, 31 and 32. Land, rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.
40.00	West on a random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor.
79.02	Intersect W. bdy. of Tp., 16 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established by O. R., as described in Book "A". Thence I run N. 89° 53' E., on a true line, bet. secs. 30 and 31. Over rolling land, through scattering undergrowth. Asc. gradually 130 ft. to
33.00	Desc. 25 ft. to
36.40	Thence over level land.
39.02	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 1915 on S. rim; S30 in N., S31 in S. and $\frac{1}{4}$ in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
42.50	Enter wash, course WSW.
71.60	Leave wash, course WSW. Asc. 40 ft. to
79.02	The cor. of secs. 29, 30, 31 and 32. Land, rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.
4.50	N. 0° 3' W., bet. secs. 29 and 30. Over rolling land, through scattering undergrowth. Desc. 25 ft. to
8.00	Enter wash, course SW.
12.45	Leave wash, course SW. Asc. 45 ft. to
25.50	Thence over level land, Desc. 75 ft. to
31.50	Enter wash, course SW.
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 1915 on S. rim; $\frac{1}{4}$ in N., S29 in E. and S30 in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
44.00	Leave wash, course SW. Asc. 70 ft. to
46.00	Thence over level land.
65.20	Desc. 30 ft. to
70.00	Asc. 155 ft. to
80.00	Set a lava stone, 20 X 9 X 6 ins., 15 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked with 5 notches on E. and 2 notches on S. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level and rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.

Chains.

Apr. 26, 1915.

Apr. 27, 1915.  
 N.  $89^{\circ} 57'$  E., on a random line, bet. secs. 20 and 29.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect N. and S. line, at the cor. of secs. 20, 21, 28  
 and 29.  
 Thence I run  
 S.  $89^{\circ} 57'$  W., on a true line, bet. secs. 20 and 29.  
 Over rolling land, through scattering undergrowth.  
 Desc. 20 ft. to  
 2.50 Enter wash, course SW.  
 11.00 Leave wash, course SW. Asc. 20 ft. to  
 12.50 Thence over level land.  
 30.00 Desc. 45 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  
 1915 on S. rim;  
 S20 in N.,  
 S29 in S. and  
 $\frac{1}{4}$  in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.  
 40.75 Wash, 50 lks. wide, course S. Asc. 460 ft. to  
 55.15 Ridge, brs. NW. and SE. Desc. 120 ft. to  
 59.85 Asc. 70 ft. to  
 68.85 Desc. 320 ft. to  
 80.00 The cor. of secs. 19, 20, 29 and 30.  
 Land, rolling and mountainous.  
 Soil, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 Apr. 27, 1915: At this cor., I set off  $13^{\circ} 41'$  N. on the  
 decl. arc; and at apparent noon, I observe the sun on  
 the meridian; the resulting lat. is  $34^{\circ} 37\frac{1}{2}'$  N.

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S.  $89^{\circ} 53'$  W., on a random line, bet. secs. 19 and 30.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.11 Intersect W. bdy. of Tp., at the cor. of secs. 19, 24, 25  
 30, which is a stone, established by O. R., as described  
 in Book "A".  
 Thence I run  
 N.  $89^{\circ} 53'$  E., on a true line, bet. secs. 19 and 30.  
 Over mountainous land, through scattering undergrowth.  
 Desc. 65 ft. to  
 11.15 Asc. 35 ft. to  
 15.10 Desc. 150 ft. to  
 29.05 Gulch, course SSE. Asc. 85 ft. to  
 31.20 Asc. slightly  
 39.11 Set a lava stone, 20 X 12 X 6 ins., 15 ins. in the ground,  
 for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound  
 of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits  
 impracticable.  
 41.00 Desc. 60 ft. to  
 43.25 Gulch, course S. Asc. 155 ft. to  
 60.50 Desc. 165 ft. to  
 66.25 Gulch, course S. Asc. 140 ft. to  
 68.35 Desc. 70 ft. to  
 73.00 Desc. gradually to  
 79.11 The cor. of secs. 19, 20, 29 and 30.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

Chains.

N.0° 3' W., bet. secs. 19 and 20.  
 Over mountainous land, through scattering undergrowth.  
 Asc. SW. slope, 375 ft. to  
 10.60 Ridge, brs. NW. and SE. Desc. 330 ft. to  
 10.68 Cliff, 100 ft. high.  
 35.00 Wash, 50 lks. wide, course E. Asc. slightly.  
 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  
 1915 on S. rim;  
 $\frac{1}{4}$  in N.,  
 S20 in E. and  
 S19 in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 48.00 Asc. 55 ft. to  
 53.00 Spur, brs. E. and W. Desc. 50 ft. to  
 57.85 Thence over level land.  
 80.00 Set a lava stone, 24 X 8 X 8 ins., 18 ins. in the ground,  
 for cor. of secs. 17, 18, 19 and 20, marked with 5  
 notches on E. and 3 notches on S. edge; and raise a  
 mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 Pits impracticable.  
 Land, level and mountainous.  
 Soil, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 Apr. 27, 1915.

Apr. 29, 1915.  
 N.89° 57' E., on a random line, bet. secs. 17 and 20.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.14 Intersect N. and S. line, 14 lks. N. of the cor. of secs.  
 16, 17, 20 and 21.  
 Thence I run  
 N.89° 57' W., on a true line, bet. secs. 17 and 20.  
 Over rolling land, through scattering undergrowth.  
 Desc. 55 ft. to  
 6.20 Thence over level land.  
 21.20 Asc. 115 ft. to  
 25.75 End of spur, slopes S. Desc. 95 ft. to  
 30.50 Asc. 20 ft. to  
 36.90 Thence over level land.  
 40.07 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  
 1915 on S. rim;  
 S17 in N.,  
 S20 in S. and  
 $\frac{1}{4}$  in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.  
 45.00 Desc. 35 ft. to  
 54.00 Asc. 25 ft. to  
 58.05 Desc. 30 ft. to  
 62.00 Center of wash, 1 ch. wide, course SSE. Asc. 30 ft. to  
 64.40 Desc. 35 ft. to  
 77.60 Center of wash, 1 ch. wide, course SSE.  
 80.14 The cor. of secs. 17, 18, 19 and 20.  
 Land, level and rolling.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 Apr. 29, 1915: At this cor., I set off 14° 19' N. on the  
 decl. arc; and at apparent noon, I observe the sun on  
 the meridian; the resulting lat. is 34° 38 $\frac{1}{2}$ ' N.  
 Apr. 29, 1915.

Chains	
	Apr. 28, 1915: At 10 hrs. 0 m., a.m., l.m.t., I set off 13° 58½' N. on the decl. arc; 34° 38½' N. on the flat. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.
	Thence I run
	S.89° 53' W., on a random line, bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
79.00	Intersect W. bdy. of Tp., at the cor. of secs. 13, 18, 19 and 24, which is a stone, established by O. R., as described in Book "A".
	Thence I run
	N.89° 53' E., on a true line, bet. secs. 18 and 19.
	Over mountainous land, through scattering undergrowth.
	Asc. 70 ft. to
3.40	Ridge, brs. NW. and SE. Desc. 305 ft. to
14.40	Asc. 50 ft. to
19.35	Thence across top of ridge, brs. N. 15° W., and S. 15° E.
20.15	Desc. 370 ft. to
28.85	Wash, 50 lks. wide, course SSE. Asc. 135 ft.
39.00	Set a lava stone, 20 X 12 X 6 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
41.00	Desc. 160 ft. to
59.00	Thence over level land.
79.00	The cor. of secs. 17, 18, 19 and 20.
	Land, level and mountainous.
	Soil, none.
	No timber.
	Undergrowth, greasewood and sagebrush.
	Apr. 28, 1915.
	Apr. 29, 1915.
	N.0° 3' W., bet. secs. 17 and 18.
	Over rolling land, through scattering undergrowth.
2.50	Enter wash, course SE.
7.70	Leave wash, comes from NE.
25.00	Asc. 270 ft. to
39.70	End of spur, brs. E. Desc. 200 ft.
40.00	Set a malpais stone, 22 X 10 X 6 ins., 17 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
50.00	Foot of desc., brs. NE. and SW. Thence over level land.
62.00	Asc. 160 ft. to
75.15	End of spur, brs. E. Desc. 55 ft. to
80.00	Set a malpais stone, 18 X 12 X 8 ins., 12 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked with 5 notches on E. and 4 notches on S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, rolling and mountainous.
	Soil, 3rd and 4th rate.
	No timber.
	Undergrowth, greasewood, and palo verde.
	Apr. 29, 1915. J. G.
	May 14, 1915: O. R.
	S.89° 57' E., on a random line, bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.30	Intersect N. and S. line, 28 lks. S. of the cor. of secs. 8, 9, 16 and 17.
	Thence I run
	S.89° 51' W., on a true line, bet. secs. 8 and 17.
	Over mountainous land, through scattering undergrowth.

Chains.

Asc. 135 ft. to  
 4.49 Spur, slopes S. Desc. 185 ft. to  
 10.85 Wash, 30 lks. wide, course SW. Asc. 70 ft. to  
 13.90 Thence along S. slope of spur, brs. S.  
 16.50 Desc. 170 ft. to  
 26.83 Center of wash, 1 ch. wide, course SW. Asc. 90 ft. to  
 36.05 Spur, slopes S. Desc. 90 ft. to  
 38.50 Asc. 25 ft. to  
 40.15 Set a malpais stone, 18 X 16 X 4 ins., 12 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise  
 a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 Pits impracticable.  
 Thence over rolling land,  
 46.40 Enter wash, course SW.  
 56.80 Leave wash, course SW. Asc. 15 ft. to  
 58.20 Desc. 20 ft. to  
 60.00 Thence over rolling land.  
 70.00 Asc. 40 ft. to  
 74.93 Spur, slopes S. Desc. 30 ft. to  
 77.49 Wash, 50 lks. wide, course SE. Asc. 35 ft. to  
 80.30 The cor. of secs. 7, 8, 17 and 18.  
 Land, rolling and mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 No grass.

O. R.  
 May 14, 1915.

Apr. 29, 1915: J. G.  
 S.89° 53' W., on a random line, bet. secs. 7 and 18.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.77 Intersect W. bdy. of Tp., 7 lks. N. of the cor. of secs. 7,  
 12, 13 and 18, which is a stone in place, established  
 by O. R., as described in Book "A".  
 Thence I run  
 N.89° 50' E., on a true line, bet. secs. 7 and 18.  
 Over mountainous land, through scattering undergrowth;  
 Asc. 140 ft. to  
 3.25 End of spur, slopes S.15° W. Desc.190 ft. to  
 13.85 Center of wash, 2 chs. wide, course S. Asc. 390 ft. to  
 29.55 Spur, slopes S. Desc. 55 ft. to  
 36.05 Gulch, course S. Asc. 190 ft. to  
 38.77 Set a lava stone, 14 X 8 X 5 ins., 10 ins. in the ground,  
 for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a  
 mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 Pits impracticable.  
 44.00 Spur, slopes N. Desc. 370 ft. to  
 60.65 Asc. 80 ft. to  
 74.75 Ridge, brs. SW. and NW. Desc. 50 ft. to  
 78.77 The cor. of secs. 7, 8, 17 and 18.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

J. G.  
 Apr. 29, 1915.

May 14, 1915: O. R.  
 N.0° 3' W., bet. secs. 7 and 8.  
 Over mountainous land, through scattering undergrowth.  
 Desc. 45 ft. to  
 6.45 Center of wash, 1 ch. wide, course SE. Asc. 185 ft. to  
 16.05 Spur, slopes E. Desc. 50 ft. to  
 20.86 Wash, 50 lks. wide, course SE. Asc. 225 ft. to

Chains.  
 27.83 Spur, slopes SE. Desc. 200 ft.  
 40.00 Set a granite stone, 18 X 14 X 8 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 41.98 Wash, 20 lks. wide, course SE. Asc. 110 ft. to  
 56.91 Spur, slopes E. Desc. 35 ft. to  
 57.70 Asc. 60 ft. to  
 61.15 Desc. 75 ft. to  
 64.26 Center of wash, 1 ch. wide, course SE. Asc. 190 ft. to  
 71.55 Desc. 15 ft. to  
 73.65 Asc. 95 ft. to  
 75.87 Spur, slopes E. Desc. 95 ft. to  
 80.00 Set a granite stone, 18 X 12 X 8 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked with 5 notches on S. and E. edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 No grass.

May 14, 1915.

May 17, 1915:  
 N.  $89^{\circ} 51'$  E., on a random line, bet. secs. 5 and 8.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.18 Intersect N. and S. line, 2 lks N. of the cor. of secs. 4, 5, 8 and 9.  
 Thence I run  
 S.  $89^{\circ} 52'$  W., on a true line, bet. secs. 5 and 8.  
 Over mountainous land, through scattering undergrowth.  
 Asc. 25 ft. to  
 5.00 Desc. to  
 6.89 Wash, 20 lks. wide, comes from NW., course NE. Asc. 165 ft. to  
 17.68 Spur, slopes NE. Desc. 90 ft. to  
 29.40 Asc. 10 ft. to  
 31.20 Chemehuevis Mountain Divide, hrs. NW. and SE. Desc. 320 ft.  
 40.09 Set a granite stone, 18 X 10 X 8 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 45.88 Wash, 50 lks. wide, course SW. Asc. 230 ft. to  
 54.46 Spur, slopes SW. Desc. 145 ft. to  
 63.43 Center of wash, 1 ch. wide, course SW. Asc. 55 ft. to  
 71.47 Spur, slopes SE. Desc. 30 ft. to  
 73.93 Wash, course SE. Asc. 155 ft. to  
 80.18 The cor. of secs. 5, 6, 7 and 8.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 May 17, 1915: At this cor., I set off  $19^{\circ} 13\frac{1}{2}'$  N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is  $34^{\circ} 40'$  N.

May 17, 1915.

May 12, 1915: At 9 hrs. 0 m., a.m., l.m.t., I set off  $34^{\circ} 40'$  N. on the lat. arc;  $17^{\circ} 59'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 7 and 8.  
 Thence I run  
 S.  $89^{\circ} 50'$  W., on a random line, bet. secs. 6 and 7.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.65 Intersect W. bdy. of Tp., 14 lks. S. of the cor of secs.



Chains. 1, 6, 7 and 12, which is a stone, established by me, as described in Book "A".  
 Thence I run N.89° 56' E., on a true line, bet. secs. 6 and 7. Over mountainous land, through scattering undergrowth. Asc., 140 ft. to  
 3.10 Chemehuevis Mountain Divide, brs. N. and S. Desc. 220 ft. to  
 15.72 Wash, 20 lks. wide, course S. Asc. W. slope, 360 ft. to  
 31.10 Spur, brs. SW. Desc. SE. slope, 90 ft. to  
 35.70 Asc. 25 ft. to  
 37.60 Desc. 20 ft. to  
 38.65 Set a granite stone, 16 X 8 X 6 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 Asc. 20 ft. to  
 39.90 Desc. 230 ft. to  
 47.50 Wash, 50 lks. wide, course SW. Asc. 285 ft. to  
 60.73 Spur, slopes S. Desc. E. slope, 100 ft. to  
 65.49 Head of gulch, course S. Asc. W. slope, 50 ft. to  
 68.18 Spur, slopes S. Desc. 205 ft. to  
 78.65 The cor. of secs. 5, 6, 7 and 8.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.  
 May 12, 1915.

May 17, 1915.  
 N.0° 3' W., on a random line, bet. secs. 5 and 6.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.70 Intersect N. bdy. of Tp., 3 lks. E. of the cor. of secs. 5, 6, 31 and 32, which is an iron post, established by J. G., as described in Book "A".  
 Thence I run S.0° 4' E., on a true line, bet. secs. 5 and 6. Over mountainous land, through scattering undergrowth. Asc. 265 ft. to  
 9.90 Spur, slopes E. Desc. 230 ft. to  
 18.45 Wash, 20 lks. wide, course SE. Asc. 110 ft. to  
 27.30 Chemehuevis Mountain Divide, brs. E. and W. Desc. 230 ft. to  
 37.75 Center of wash, 2 chs. wide, course E. Asc. 260 ft.  
 39.70 Set a malpais stone, 18 X 12 X 6 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 49.55 Spur, slopes E. Desc. 230 ft. to  
 61.15 Asc. 85 ft. to  
 64.40 Spur, slopes SE. Desc. 65 ft. to  
 66.95 Wash, 20 lks. wide, course SE. Asc. 110 ft. to  
 71.90 Spur, slopes SE. Desc. 165 ft. to  
 76.60 Wash, 20 lks. wide, course SE. Asc. 55 ft. to  
 79.70 The cor. of secs. 5, 6, 7 and 8.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood and palo verde.  
 No grass.

O. R.  
May 17, 1915.

## GENERAL DESCRIPTION.

This Tp. is traversed by the main divide of the Chemehuevis Mountains, entering near the center of the Tp., on the E. bdy., and leaving at the NW. cor. of sec. 7.

The land is very broken, on the S. slope of the mountains and is covered with rock, bed rock being very close to the surface. On the N. slope of the mountains, the land is low, and very rocky.

The only growth supported on this Tp., is scattering greasewood and palo verde.

The Tp. is traversed by a good wagon road, but there are no settlers in it.

The Tp. is drained by numerous sandy washes, draining SW. into the Colorado River. There is no water in this Tp.

W. J. Burryer.

C. S. Crossman.

**FINAL OATH OF UNITED STATES SURVEYOR.**

See Page "A."

BOOK 2044

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

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

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_



**APPROVAL.**

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, April 10, 1917.

The foregoing field notes of the survey of \_\_\_\_\_ the \_\_\_\_\_

Subdivision Lines of Township 15 North, Range 20 West.

of the Gila and Salt River Base and Meridian, \_\_\_\_\_  
in the State of Arizona

executed by Otis Ross, U.S. Surveyor, and John Gonin, U.S. Transitman,  
under special instructions dated December 28, 1914 for Group 42 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

\_\_\_\_\_  
Surveyor General.  
of Arizona.

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