

2763

BOOK 2763

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of

TOWNSHIP 4 NORTH RANGE 21 WEST

Within the Colorado River Indian Reservation

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

GUY P. HARRINGTON

In the capacity of U. S. Surveyor, under instructions dated Nov. 23, 1910,

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

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

Office, to A. F. Dunnington, ~~191~~, pursuant to authority contained in the Act of

Topographer in Charge

~~Congress dated~~, 191

Survey commenced January 31, 1912.

Survey completed February 9, 1912.

BOOK 2783

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Subdivision of T. 4 N., R. 21 W.

Chains

Survey commenced January 31, 1912, by Guy P. Harrington, U. S. Surveyor, and executed with Young & Sons light mountain transits, Nos. 8388 & 8394, with solar attachments. The horizontal limbs are provided with two double verniers placed opposite each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The iron posts used in this survey, unless otherwise described, are 3 ft. long, 1 inch in diameter, and are set 26 ins. in the ground. The posts are pointed and driven, filled with cement and fitted with brass caps.

January 31, 1912. At my camp which is in Sec. 24, T. 4 N., R. 22 W., Lat. 33° 40' N., Long. 114° 29' W., I observe Polaris at western elongation, at 10h 44m 0s P.M., l.m.t., (by my watch which is L.M.T) and mark the line of sight upon the ground.

Feb. 1, 1912. At 8 A.M., l.m.t., I turn 1° 23' to the East of the line of observation of Polaris. This meridian is preserved for frequent tests of my solar instruments, while engaged in the subdivision of T. 4 N., R. 21 W. Any errors discovered in the adjustment are corrected.

February 1, 1912. At 8 a.m., l.m.t., I set off 33° 37½' on the lat. arc, 17° 19' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp.

Thence I run

N. 0° 01' W. bet. secs. 35 and 36.

Through arroyo.

5.25 Ehrenberg - Quartzsite road, brs. E. and W.

5.55 Ehrenberg - Quartzsite telephone line brs. E. and W.

Subdivision of T. 4 N., R. 21 W.

Chains

- 5.60 Leave arroyo, course S. 80° W. Begin ascent of steep mountainous ridge.
- 9.75 Draw, drains S. 10° E.
- 19.50 Low ridge, brs. S. 30° E. and N. 30° W. Continue along broken E. slope.
- 30.80 Ridge, brs. E. and W.
- 34.50 Draw, drains E.
- 35.75 Low ridge, brs. E. and W.
- 37.50 Draw, drains E.
- 40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 35 and 36, with brass cap stamped
  - $\frac{1}{4}$  S 35 in W. half
  - S 36 in E. half
  - 1912 in S.

Build a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 43.45 Ridge, brs. E. and W.
- 45.45 Draw, drains E.
- 50.10 Low ridge, brs. E. and W.
- 52.00 Low ridge, brs. E. and W.
- 56.50 Low ridge, brs. E. and W.
- 61.00 Draw, drains S. 80° E.
- 73.50 Low ridge, brs. S. 65° E. and N. 65° W.
- 75.00 Draw, drains W.
- 78.00 Draw, drains SW.
- 80.00 Set an iron post for the cor. of secs. 25, 26, 35 and 36, with brass cap stamped
  - T 4 N S 25 in NE. quadrant
  - R 21 W S 36 in SE. quadrant
  - S 35 in SW. quadrant
  - S 26 in NW. quadrant
  - 1912 in S.
  - 1 notch on S. and 1 on E. edge

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

Land, level arroyo, 5.60 chs.; balance, broken, mountainous, - barren.  
Soil, stony, 3rd rate.

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From the cor. of secs. 25, 26, 35 and 36, I run

Subdivision of T. 4 N., R. 21 W.

Chains

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

40.00 Set temp. 1/4 sec. cor.

80.10 Falls 12 lks. S. of the cor. of secs. 25, 30, 31 and 36,  
on E. bdy. of Tp.

Thence I run

S. 89° 55' W. on a true line bet. secs. 25 and 36.

Over broken, mountainous land.

1.25 Wash, course S.

5.40 Point on S. end of ridge, brs. N.

9.75 Draw, drains S.

13.50 Draw, drains S.

16.00 Low ridge, brs. N. 20° W. and S. 20° E.

18.00 Draw, drains S. 20° E.

21.00 Low ridge, brs. N. 30° W. and S. 30° E.

27.00 Low ridge, brs. N. and S.

31.00 Draw, drains S. 20° W.

38.50 Draw, drains S. 20° W.

40.05 Set an iron post for 1/4 sec. cor. bet. secs. 25 and 36,  
with brass cap stamped

1/4 S 25 in N. half  
S 36 1912 in S. half

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

43.25 Ridge, brs. N. and S. Thence descend into Farrar Gulch.

51.75 Bottom of descent in Gulch, brs. N. and S.

55.00 Wash, in Farrar Gulch, course S. Thence ascend ridge.

65.00 High ridge, brs. N. and S.

75.50 Draw, drains S. 80° W.

78.50 Draw, drains S. 75° W.

80.10 Cor. of secs. 25, 26, 35 and 36.

Land, mountainous, barren.  
Soil, stony, 3rd rate.

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From the cor. of secs. 25, 26, 35 and 35, I run  
N. 0° 01' W. bet. secs. 25 and 26.

Subdivision of T. 4 N., R. 21 W.

Chains	<p>Over mountainous land.</p> <p>2.00 Low ridge, brs. N. 60° E. and S. 60° W.</p> <p>4.50 Draw, drains S. 80° W.</p> <p>13.00 Ridge, brs. E. and W.</p> <p>17.50 Draw, drains W.</p> <p>26.50 Rugged ridge, brs. E. and W.</p> <p>30.00 Draw, drains W.</p> <p>38.65 Low ridge, brs. N. 60° W. and S. 60° E.</p> <p>40.00 Set an iron post for <math>\frac{1}{4}</math> sec. cor. bet. secs. 25 and 26, with brass cap stamped</p> <p style="text-align: center;"><math>\frac{1}{4}</math> S 26 in W. half S 25 in E. half 1912 in S.</p> <p>Build a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor.</p> <p>53.75 Draw, drains W.</p> <p>54.50 Dim road, brs. N. 80° W. and S. 80° E.</p> <p>58.90 High ridge, brs. E. and W.</p> <p>65.00 Wash, course W.</p> <p>72.00 Low round-topped hill.</p> <p>73.00 Goodman Mine brs. E., 6 chs. dist. (This mine has been in operation forty years.)</p> <p>77.00 Head of wash, course W.</p> <p>80.00 Set an iron post for the cor. of secs. 23, 24, 25 and 26, with brass cap stamped</p> <p style="text-align: center;">T 4 N S 24 in NE. quadrant R 21 W S 25 in SE. quadrant S 26 in SW. quadrant S 23 in NW. quadrant 1912 in S. 2 notches on S. and 1 on E. edge</p> <p>Build a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor.</p> <p>Land, mountainous, - barren. Soil, stony, 3rd rate.</p> <p>Feb. 1, 1912. At the cor. of secs. 23, 24, 25 and 26, I set off <math>17^{\circ} 17\frac{1}{2}'</math> S. on the decl. arc, and at 12h 13m 38s P.M., l.m.t., observe the sun on the meridian; the resulting lat. is <math>33^{\circ} 39\frac{1}{2}'</math>, the proper lat.</p>
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## Subdivision of T. 4 N., R. 21 W.

## Chains

- From the cor. of secs. 23, 24, 25 and 26, I run  
N. 89° 55' E. on a random line bet. secs. 24 and 25.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.96 Falls 12 lks. S. of true point for cor. of secs. 19, 24,  
25 and 30, on E. bdy. of Tp., which is 95 lks. N. of  
the W.C.
- Thence I run  
S. 89° 50' W. on a true line bet. secs. 24 and 25.  
Leaving wash, course N. 45° W., - thence over mountainous  
land.
- 1.75 Begin ascent of NE. slope of broken ridge.
- 11.50 Top of ascent on high ridge, brs. N. 30° W. and S. 30° E.
- 21.50 Draw, drains N. 45° W.
- 39.98 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 24 and 25,  
with brass cap stamped
- $\frac{1}{4}$  S 24 in N. half  
S 25 1912 in S. half
- Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of  
cor.
- 42.75 High mountain ridge, brs. N. 15° W. and S. 15° E.
- 47.75 Mine Prospect shaft on line.
- 48.00 Draw, drains N.
- 51.00 Ridge, brs. N. and S.
- 57.00 Draw, drains N. 30° W.
- 61.25 Ridge, brs. N. 35° W. and S. 35° E.
- 65.75 Draw, drains N. 30° W.
- 72.75 Ridge, brs. N. 40° W. and S. 40° E.
- 77.00 Prospect shaft on line.
- 79.96 The cor. of secs. 23, 24, 25 and 26.
- Land, mountainous, - barren.  
Soil, stony, 3rd rate.
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- From the cor. of secs. 23, 24, 25 and 26, I run  
N. 0° 01' W. bet. secs. 23 and 24.  
Over mountainous land.

Subdivision of T. 4 N., R. 21 W.

Chains

4.00 Prospect shafts, bear E.

11.50 High ridge, brs. N. 45° W. and S. 45° E.

19.00 Draw, drains W.

29.50 Enter arroyo, course W.

38.50 Leave arroyo, course W.

40.00 Set an iron post for the  $\frac{1}{4}$  sec. cor. bet. secs. 23 and 24,  
with brass cap stamped

$\frac{1}{4}$  S 23 in W. half  
S 24 in E. half  
1912 in S.

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

46.50 Low ridge, brs. E. and W.

47.00 Drain, course W.

49.00 Low ridge, brs. N. 75° W. and S. 75° E.

58.25 Wash, course N. 10° W.

63.25 Wash, course W.

72.50 Ridge, brs. N. 60° W. and S. 60° E.

80.00 Set an iron post for the cor. of secs. 13, 14, 23 and 24,  
with brass cap stamped

T 4 N S 13 in NE. quadrant  
R 21 W S 24 in SE. quadrant  
S 23 in SW. quadrant  
S 14 in NW. quadrant  
1912 in S.  
3 notches on S. and 1 on E. edge

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

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

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From the cor. of secs. 13, 14, 23 and 24, I run  
N. 89° 50' E. on a random line bet. secs. 13 and 24.

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

79.92 Intersect the cor. of secs. 13, 18, 19 and 24, on E. bdy.  
of Tp.

Thence I run  
S. 89° 50' W. on a true line bet. secs. 13 and 24.  
Over mountainous land.

## Subdivision of T. 4 N., R. 21 W.

## Chains

- 1.90 High ridge, brs. N. and S.
- 7.15 Draw, drains N.
- 10.20 Ridge, brs. N. and S.
- 11.90 Ridge, brs. N. and S.
- 12.90 Draw, drains N. 45° W.
- 15.40 Ridge, brs. N. 45° W. and S. 45° E.
- 19.90 Low ridge, brs. N. 35° W. and S. 35° E.
- 36.40 Ridge, brs. N. and S.
- 39.96 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 13 and 24,  
with brass cap stamped
- $\frac{1}{4}$  S 13 in N. half  
S 24 1912 in S. half
- Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 47.50 Deep drain, course S.
- 50.70 Draw, drains S. 20° W.
- 56.20 Top of ascent on S. slope of mountain, brs. N. 20° E.  
and S. 20° W.
- 66.50 Drain, course N. 80° W.
- 74.00 Ridge, brs. N. 40° W. and S. 40° E.
- 78.90 Draw, drains N. 20° W.
- 79.92 The cor. of secs. 13, 14, 23 and 24.  
Land, mountainous, - barren.  
Soil, stony, 3rd rate.
- 
- From the cor. of secs. 13, 14, 23 and 24, I run  
N. 0° 01' W. bet. secs. 13 and 14.  
Over mountainous land.
- 0.75 Drain, course N. 40° W.
- 11.50 Prominent ridge, brs. E. and W.
- 16.50 Wash, course N.
- 18.00 Same wash, course N. 45° W., from S.
- 20.50 Low ridge, brs. E. and W.
- 21.75 Wash, course W.
- 26.00 Wash, course W.

## Subdivision of T. 4 N., R. 21 W.

## Chains

31.50 Ridge, brs. E. and W.

34.50 Draw, drains W.

36.50 Ridge, brs. E. and W.

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 13 and 14,  
with brass cap stamped

$\frac{1}{4}$  S 14 in W. half  
S 13 in E. half  
1912 in S.

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

46.50 Ridge, brs. N. 40° E. and S. 40° W.

59.00 Ridge, brs. N. 75° W. and S. 75° E.

64.00 Ridge, brs. N. 60° W. and S. 60° E.

69.00 Wash, course N. 60° W.

74.00 Wash, course N. 70° W.

80.00 Set an iron post for the cor. of secs. 11, 12, 13 and 14,  
with brass cap stamped

T 4 N S 12 in NE. quadrant  
R 21 W S 13 in SE. quadrant  
S 14 in SW. quadrant  
S 11 in NW. quadrant  
1912 in S.  
4 notches on S. and 1 on E. edge

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

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

Feb. 1, 1912.

February 2, 1912. At 9 a.m., l.m.t., I set off  $33^{\circ}41\frac{1}{2}'$   
on the lat. arc,  $17^{\circ}02\frac{1}{2}'$  S. on the decl. arc, and  
determine a meridian with the solar at the cor. of secs.  
11, 12, 13 and 14.

Thence I run

N.  $89^{\circ}50'$  E. on a random line bet. secs. 12 and 13.

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

79.72 Falls 4 lks. N. of the cor. of secs. 7, 12, 13 and 18, on  
E. bdy. of Tp.

Thence I run

S.  $89^{\circ}52'$  W. on a true line bet. secs. 12 and 13.

Subdivision of T. 4 N., R. 21 W.

Chains

Over mountainous land.

14.25 Top of high ridge, brs. N. 60° W. and S. 60° E.

24.00 Draw, drains S. 45° E.

30.20 Ridge, brs. N. and S.

33.75 Draw, drains S.

38.15 Ridge, brs. N. and S.

39.86 Set an iron post for 1/4 sec. cor. bet. secs. 12 and 13, with brass cap stamped

1/4 S 12 in N. half  
S 13 1912 in S. half

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

40.00 Small draw, drains S. Mountain peak brs. N. 30° E., about 10 chs. dist.

42.50 Ridge, brs. N. 10° E. and S. 10° W.

46.75 Draw, drains S.

50.60 Ridge, brs. N. and S.

66.30 Ridge, brs. N. 35° W. and S. 35° E.

76.70 Draw, drains S. 20° W.

78.60 Ridge, brs. N. 20° E. and S. 20° W.

79.72 The cor. of secs. 11, 12, 13 and 14.

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

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From the cor. of secs. 11, 12, 13 and 14, I run N. 0° 01' W. bet. secs. 11 and 12.

Over broken mountainous land.

3.20 Ridge, brs. E. and W.

7.60 Ridge, brs. N. 30° W. and S. 30° E.

11.50 Ridge, brs. N. 10° E. and S. 10° W.

14.50 Wash, course N. 65° W.

17.75 Ridge, brs. E. and W.

20.75 Wash, course W.

29.40 Ridge, brs. N. 65° E. and S. 65° W.

34.00 Wash, course S. 75° W.

## Subdivision of T. 4 N., R. 21 W.

## Chains

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 11 and 12,  
with brass cap stamped

$\frac{1}{4}$  S 11 in W. half  
S 12 in E. half  
1912 in S.

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

44.50 Ridge, brs. E. and W.

56.00 Draw, drains N. 60° W.

65.65 Enter arroyo, course N. 75° W.

75.00 Wash in arroyo, course W.

80.00 Set an iron post for the cor. of secs. 1, 2, 11 and 12,  
with brass cap stamped

T 4 N S 1 in NE. quadrant  
R 21 W S 12 in SE. quadrant  
S 11 in SW. quadrant  
S 2 in NW. quadrant

1912 in S.

5 notches on S. and 1 on E. edge

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

From the cor. of secs. 1, 2, 11 and 12; I run  
N. 89° 52' E. on a random line bet. secs. 1 and 12.

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

79.70 Falls 4 lks. S. of the cor. of secs. 1, 6, 7 and 12, on  
E. bdy. of Tp.

Thence I run

S. 89° 50' W. on a true line bet. secs. 1 and 12.

Over rolling land.

3.00 Wash, course N. 30° W.

5.20 Wash, course N. 30° W.

14.20 Wash, course N. 30° W.

16.80 Road, brs. N. 35° W. and S. 30° E.

36.70 Enter arroyo, course N. 75° W.

39.85 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 1 and 12,  
with brass cap stamped

$\frac{1}{4}$  S 1 in N. half  
S 12 1912 in S. half

Subdivision of T. 4 N., R. 21 W.

Chains

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

79.70 The cor. of secs. 1, 2, 11 and 12.

Land, rolling, - barren.  
Soil, stony and gravelly, 3rd rate.

-----  
From the cor. of secs. 1, 2, 11 and 12, I run  
N. 0° 01' W. on a true line bet. secs. 1 and 2.  
Through arroyo.

28.50 Leave arroyo, course N. 75° W.

40.00 Set an iron post for the ¼ sec. cor. bet. secs. 1 and 2,  
with brass cap stamped

¼ S 2 in W. half  
S 1 in E. half  
1912 in S.

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

47.00 Wash, course W.

52.30 Road, brs. N. 70° W. and S. 70° E.

66.00 Wash, course W.

80.00 Intersect the 1st Standard Parallel N., 80 lks. W. of  
the standard ¼ sec. cor. of sec. 36.

Set an iron post for C.C. of secs. 1 and 2, with brass  
cap stamped

C C 1912 in S.  
T 4 N S 2 in SW. quadrant  
R 21 W S 1 in SE. quadrant  
1 notch on E. and 5 notches on W. edge

Build a mound of stone 2 ft. base, 1½ ft. high, S. of  
cor.

Land, rolling, - barren.  
Soil, gravelly, 3rd rate.

-----  
February 2, 1912. At the cor. of secs. 2, 3, 34 and 35,  
on S. bdy. of Tp., I set off 17° 00' S. on the decl.  
arc, and at 12h 13m 46s P.M., l.m.t., observe the sun  
on the meridian; the resulting lat. is 33° 37', which  
is the proper lat.

Subdivision of T. 4 N., R. 21 W.

Chains

From the cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp.,  
I run

N. 0° 01' W. bet. secs. 34 and 35.

Over mountainous land, ascending.

7.60 Top of ascent on ridge, brs. NW. and SE.

10.60 Enter arroyo, course W.

12.60 Ehrenberg-Quartzsite telephone line, brs. E. and W.

14.55 Ehrenberg-Quartzsite road, brs. E. and W.

15.45 Road, brs. N. 45° W. and S. 45° E.

16.00 Leave arroyo course W., and begin ascent over mountainous  
land.

19.95 Ridge, brs. E. and W.

20.95 Draw, drains W.

25.75 Ridge, brs. E. and W.

30.60 Draw, drains W.

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 34 and 35,  
with brass cap stamped

$\frac{1}{4}$  S 34 in W. half  
S 35 in E. half  
1912 in S.

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

44.00 Draw, drains N. 40° W.

46.00 Ridge, brs. E. and W.

49.40 Wash, course W.

50.95 Ridge, brs. E. and W.

57.10 Wash, course W.

62.50 Wash, course S. 45° W.

67.45 Ridge, brs. NW. and SE.

71.50 Wash, course N. 60° W.

79.50 Wash, course W.

80.00 Set an iron post for the cor. of secs. 26, 27, 34 and 35,  
with brass cap stamped

T 4 N S 26 in NE. quadrant  
R 21 W S 35 in SE. quadrant  
S 34 in SW. quadrant  
S 27 in NW. quadrant  
1912 in S.  
1 notch on S. and 2 on E. edges

Subdivision of T. 4 N., R. 21 W.

Chains

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

Land, mountainous, - barren.  
Soil, stony, 3rd rate.  
Scattering greasewood and cactus.

-----  
From the cor. of secs. 26, 27, 34 and 35, I run  
East on a random line bet. secs. 26 and 35.

- 40.00 Set temp. ¼ sec. cor.
- 79.84 Falls 4 lks. S. of the cor. of secs. 25, 26, 35 and 36.  
Thence I run  
S. 89° 58' W. on a true line bet. secs. 26 and 35.  
Over broken, mountainous land.
- 3.00 Draw, drains S.
- 6.50 Low ridge, brs. N. and S.
- 16.50 Draw, drains N. 30° W. Thence along broken S. slope of  
ridge.
- 24.00 Draw, drains S.
- 27.50 Low ridge, brs. N. and S.
- 29.00 Draw, drains S. 50° W.
- 35.00 Low ridge, brs. N. 30° W. and S. 30° E.
- 38.00 Draw, drains S. 30° W.
- 39.92 Set an iron post for ¼ sec. cor. bet. secs. 26 and 35,  
with brass cap stamped  
  
¼ S 26 in N. half  
S 35 1912 in S. half  
  
Build a mound of stone 2 ft. base, 1½ ft. high, N. of  
cor.
- 41.65 Ridge, brs. N. and S.
- 44.00 Draw, drains S.
- 47.00 Ridge, brs. N. and S.
- 56.00 Draw, drains S. 10° W.
- 60.75 Draw, drains S. 15° W.
- 63.00 Ridge, brs. N. 20° E. and S. 20° W.
- 64.50 Draw, drains S. 10° W.
- 68.00 Ridge, brs. N. and S.
- 79.84 The cor. of secs. 26, 27, 34 and 35.

Subdivision of T. 4 N., R. 21 W.

Chains

Land, mountainous, - barren.  
Soil, stony, 3rd rate.



From the cor. of secs. 26, 27, 34 and 35, I run  
N. 0° 01' W. bet. secs. 26 and 27.

Over broken, mountainous land, ascending low ridge.

- 2.70 Top of ascent on W. slope. Thence descend to draw.
- 5.35 Draw, drains S. 45° W.
- 8.40 Ridge, brs. N. 60° E. and S. 60° W.
- 11.20 Draw, drains W.
- 13.50 Summit of ridge, brs. E. and W.
- 29.75 Wash, course N. 60° W.
- 36.00 Wash, course W.
- 40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 26 and 27,  
with brass cap stamped
  - $\frac{1}{4}$  S 27 in W. half
  - S 26 in E. half
  - 1912 in S.

Build a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.
- 42.65 Wash, course S. 60° W.
- 47.60 Ridge, brs. N. 80° E. and S. 60° W.
- 50.00 Draw, drains W.
- 53.00 Ridge, brs. E. and W.
- 56.00 Wash, course W. Road in same, brs. E. and W.
- 64.30 Ridge, brs. E. and W.
- 69.70 Wash, course S. 20° W. Thence steep ascent of mountain peak.
- 80.00 Set an iron post for the cor. of secs. 22, 23, 26 and 27,  
with brass cap stamped
  - T 4 N S 23 in NE. quadrant
  - R 21 W S 26 in SE. quadrant
  - S 27 in SW. quadrant
  - S 22 in NW. quadrant
  - 1912 in S.
  - 2 notches on S. and 2 on E. edges

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

Land, mountainous, - barren.  
Soil, sandy and rocky, 3rd rate.

## Subdivision of T. 4 N., R. 21 W.

## Chains

- From the cor. of secs. 22, 23, 26 and 27, I run  
N. 89° 58' E. on a random line bet. secs. 23 and 26.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.84 Falls 16 lks. S. of cor. of secs. 23, 24, 25 and 26.  
Thence I run  
S. 89° 51' W. on a true line bet. secs. 23 and 26.  
Over mountainous land.
- 3.00 Draw, drains N. 30° W.
- 4.00 Miner's cabin, brs. S., 75 lks. dist.
- 14.00 Top of high ridge, brs. N. 40° W., and S. 40° E.
- 25.40 Draw, drains S.
- 27.50 Wash, course N. 75° W.
- 37.30 Summit of low ridge, brs. N. 20° W. and S. 20° E.
- 39.92 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 23 and 26,  
with brass cap stamped
- $\frac{1}{4}$  S 23 in N. half  
S 26 1912 in S. half
- Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of  
cor.
- 44.25 Wash, course S. 45° W. Dim road in same, brs. N. 45° E.  
and S. 45° W.
- 50.75 Top of low ridge, brs. N. and S.
- 53.00 Draw, drains S. 15° E.
- 56.75 Ridge, brs. N. and S.
- 61.75 Draw, drains N. 10° W.
- 64.00 Draw, drains S. 50° W.
- 67.50 Low ridge, brs. N. and S.
- 69.00 Draw, drains S. 15° E. Thence ascend E. slope of moun-  
tain.
- 72.00 Prospect shaft, brs. S., 4 chs. dist.
- 77.00 Mountain peak on line.
- 79.84 The cor. of secs. 22, 23, 26 and 27.  
Land, mountainous, - barren.  
Soil, stony, 3rd rate.

Feb. 2, 1912.

Subdivision of T. 4 N., R. 21 W.

Chains

February 3, 1912. At 8.30 A.M., l.m.t., I set off 33°39½' on the lat. arc, 16° 45' S. 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° 01' W. bet. secs. 22 and 23.

Over mountainous land, ascending ridge.

1.90 Top of ridge, brs. E. and W.

4.50 Draw, drains N. 60° W.

6.80 Ridge, brs. E. and W.

14.70 Draw, drains W.

17.50 Ridge, brs. E. and W.

21.40 Draw, drains W.

28.40 Draw, drains S. 55° W.

37.70 Ridge, brs. N. 70° W. and S. 70° E.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 22 and 23, with brass cap stamped

¼ S 22 in W. half  
S 23 in E. half  
1912 in S.

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

49.45 Ridge, brs. N. 80° W. and S. 80° E.

53.30 Draw, drains N. 75° W.

59.65 Low ridge, brs. E. and W.

64.30 Enter arroyo, course N. 80° W.

71.20 Road, brs. N. 70° W. and S. 70° E.

75.00 Leave arroyo, course W.

75.30 Road, brs. N. 80° W. and S. 80° E.

76.50 Wash, course N. 60° W.

79.50 Draw, drains N. 80° W.

80.00 Set an iron post for the cor. of secs. 14, 15, 22 and 23, with brass cap stamped

T 4 N S 14 in NE. quadrant  
R 21 W S 23 in SE. quadrant  
S 22 in SW. quadrant  
S 15 in NW. quadrant  
1912 in S.

3 notches on S. and 2 on E. edges

Subdivision of T. 4 N., R. 21 W.

Chains

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

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

-----  
From the cor. of secs. 14, 15, 22 and 23, I run  
N. 89° 51' E. on a random line bet. secs. 14 and 23.

40.00 Set temp. ¼ sec. cor.

79.96 Falls 7 lks. S. of the cor. of secs. 13, 14, 23 and 24.

Thence I run

S. 89° 48' W. on a true line bet. secs. 14 and 23.

Over mountainous land.

16.00 Wash, course N. 45° W.

18.00 Low ridge, brs. N. and S.

20.00 Draw, drains N. 30° W.

22.50 Low ridge, brs. N. and S.

30.00 Draw, drains N. 60° W.

31.50 Ridge, brs. N. and S.

33.00 Draw, drains N. 65° W.

39.98 Set an iron post for ¼ sec. cor. bet. secs. 14 and 23,

with brass cap stamped

¼ S 14 in N. half  
S 23 1912 in S. half

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

46.00 Wash, course N. 80° W.

56.00 Ridge, brs. N. 30° W. and S. 30° E.

62.50 Draw, drains S. 30° W.

72.50 Wash, course N.

77.00 Ridge, brs. N. and S.

79.96 The cor. of secs. 14, 15, 22 and 23.

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

-----  
From the cor. of secs. 14, 15, 22 and 23, I run

N. 0° 01' W. bet. secs. 14 and 15.

Over mountainous land.

Subdivision of T. 4 N., R. 21 W.

Chains

- 2.20 Ridge, brs. NW. and SE.
- 11.70 Round topped mountain peak on line.
- 16.70 Wash, course W.
- 21.25 Draw, drains W. Begin steep ascent of mountain.
- 40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 14 and 15,  
with brass cap stamped  
  
  - $\frac{1}{4}$  S 15 in W. half
  - S 14 in E. half
  - 1912 in S.  
  - Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 46.30 Summit of ascent on mountain, brs. NW. and SE.
- 53.25 Draw, drains S. 75° W.
- 58.60 Draw, drains W.
- 64.50 High mountain ridge, brs. E. and W.  
  
Thence descend broken N. slope of mountain.
- 80.00 Set an iron post for the cor. of secs. 10, 11, 14 and 15,  
with brass cap stamped  
  
  - T 4 N S 11 in NE. quadrant
  - R 21 W S 14 in SE. quadrant
  - S 15 in SW. quadrant
  - S 10 in NW. quadrant
  - 1912 in S.
  - 4 notches on S. and 2 on E. edge  
  - Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
  - Land, mountainous, - barren.
  - Soil, stony, 3rd rate.

-----

From the cor. of secs. 10, 11, 14 and 15, I run  
N. 89° 48' E. on a random line bet. secs. 11 and 14.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.82 Falls 28 lks. N. of the cor. of secs. 11, 12, 13 and 14.  
  
Thence I run  
  
West on a true line bet. secs. 11 and 14.  
  
Over mountainous land, descending.
- 15.50 Wash, course N.
- 16.50 Wash, course N. 10° E.
- 39.91 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 11 and 14,

Subdivision of T. 4 N., R. 21 W.

Chains

with brass cap stamped

1/4 S 11 in N. half  
S 14 1912 in S. half

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

52.25 Summit of high rugged ridge, brs. N. 45° W. and S. 45° E.

71.50 Wash, course N. 45° W.

76.00 Draw, drains N.

79.00 Low ridge, brs. N. and S.

79.82 The cor. of secs. 10, 11, 14 and 15.

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

February 3, 1912. At the cor. of secs. 10, 11, 14 and 15,

I set off 16° 43 1/4' S. on the decl. arc, and at 12h 13m 54s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 41 1/2', the proper lat.

From the cor. of secs. 10, 11, 14 and 15, I run

N. 0° 01' W. bet. secs. 10 and 11.

Over mountainous land.

3.70 Draw, drains N. 40° E.

9.50 Wash, course N. 80° W.

16.85 Low ridge, brs. N. 80° E. and S. 80° W.

22.85 Ridge, brs. E. and W.

25.75 Low ridge, brs. N. 45° W. and S. 45° E.

Thence descend to wash.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 10 and 11,

with brass cap stamped

1/4 S 10 in W. half  
S 11 in E. half  
1912 in S.

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

41.00 Large wash, course N. 60° W.

52.70 Low ridge, brs. E. and W.

57.75 Draw, drains W.

62.50 Draw, drains W.

## Subdivision of T. 4 N., R. 21 W.,

## Chains

- 66.00 Summit of low ridge, brs. E. and W.
- 74.00 Draw, drains S. 60° W. Begin ascent of mountain ridge.
- 80.00 On broken S. slope, set an iron post for the cor. of secs. 2, 3, 10 and 11, with brass cap stamped
- T 4 N S 2 in NE. quadrant  
R 21 W S 11 in SE. quadrant  
S 10 in SW. quadrant  
S 3 in NW. quadrant  
1912 in S.  
5 notches on S. and 2 on E. edges
- Build a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
- Land, mountainous, - barren.  
Soil, stony, 3rd rate.
- 
- From the cor. of secs. 2, 3, 10 and 11, I run  
East on a random line bet. secs. 2 and 11.
- 40.00 Set temp. ¼ sec. cor.
- 80.10 Intersect the cor. of secs. 1, 2, 11 and 12.  
Thence I run  
West on a true line bet. secs. 2 and 11.  
Through arroyo.
- 36.50 Leave arroyo, course N. 60° W.
- 40.05 Set an iron post for ¼ sec. cor. bet. secs. 2 and 11,  
with brass cap stamped
- ¼ S 2 in N. half  
S 11 1912 in S. half
- Build a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
- 44.00 Wash, course N.
- 45.50 Begin broken ascent of mountain.
- 51.00 Ridge, brs. S. 40° E. and N. 40° W.
- 52.50 Small draw, drains S. 40° E.
- 57.00 Ridge, brs. N. and S.
- 60.00 Draw, drains S. 70° W. Thence along broken S. slope of  
mountain.
- 73.50 Draw, drains S. 20° E.
- 80.10 The cor. of secs. 2, 3, 10 and 11.

## Subdivision of T. 4 N., R. 21 W.

## Chains.

Land, rolling and mountainous, - barren.  
Soil, stony, 3rd rate.

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From the cor. of secs. 2, 3, 10 and 11, I run  
N. 0° 01' W. on a true line bet. secs. 2 and 3.  
Over mountainous land, continuing steep ascent.

- 9.00 Top of ascent on high ridge, brs. E. and W. Thence  
steep descent of N. slope.
- 29.25 Bottom of steep descent. Wash, course N. 60° W.
- 37.00 Enter arroyo, course N. 75° W.
- 40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 2 and 3, with  
brass cap stamped

$\frac{1}{4}$  S 3 in W. half  
S 2 in E. half  
1912 in S.

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

- 57.00 Leave arroyo, course W.
- 65.00 Deep wash, course W.
- 74.00 Road, brs. E. and W.
- 80.12 Intersect the 1st Standard Parallel N., 90 lks. W. of  
the standard  $\frac{1}{4}$  sec. cor. of sec. 35, T. 5 N., R. 21 W.,  
Set an iron post for C.C. of secs. 2 and 3, with brass  
cap stamped

C C 1912 in S.  
T 4 N S 3 in SW. quadrant  
R 21 W S 2 in SE. quadrant  
2 notches on E. and 4 notches on W.

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

Land, mountainous, - barren.  
Soil, sandy, 3rd rate.

Feb. 3, 1912.

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February 5, 1912. At 8 a.m., l.m.t., I set off 33° 37 $\frac{1}{2}$ '  
on the lat. arc, 16° 09 $\frac{1}{4}$ ' S. on the decl. arc, and  
determine a meridian with the solar at the cor. of secs.  
3, 4, 33 and 34, on S. bdy. of Tp.

Thence I run

Subdivision of T. 4 N., R. 21 W.

Chains

N. 0° 02' W. bet. secs. 33 and 34.

Over rolling land.

4.00 Wash, course W.

11.50 Wash, course W.

14.00 Wash, course W.

16.25 Ehrenberg-Quartzsite road, brs. E. and W.

18.75 Ehrenberg-Quartzsite telephone line, brs. E. and W.

20.40 Road, brs. N. 45° E. and S. 45° W.

24.50 Enter arroyo, course W.

38.75 Leave arroyo, course W.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 33 and 34,  
with brass cap stamped

1/4 S 33 in W. half  
S 34 in E. half  
1912 in S.

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

46.75 Wash, course N. 75° W.

48.25 Dim road, brs. N. 80° W. and S. 80° E.

51.00 Wash, course N. 75° W.

58.50 Wash, course N. 60° W.

65.00 Wash, course N. 50° W.

67.25 Wash, course W.

70.75 Wash, course N. 60° W.

75.00 Wash, course N. 60° W.

77.00 Wash, course W.

78.50 Road, brs. N. 75° W. and S. 75° E.

80.00 Set an iron post for the cor. of secs. 27, 28, 33 and 34,  
with brass cap stamped

T 4 N S 27 in NE. quadrant  
R 21 W S 34 in SE. quadrant  
S 33 in SW. quadrant  
S 28 in NW. quadrant  
1912 in S.

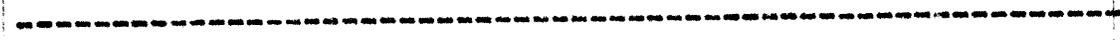
1 notch on S. and 3 on E. edges.

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and  
raise a mound of earth 4 ft. base, 2 ft. high, W. of  
cor.

Subdivision of T. 4 N., R. 21 W.

Chains

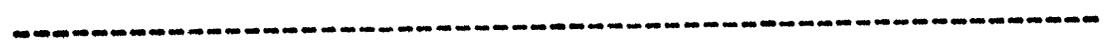
Land, rolling, - barren.  
Soil, gravelly, 3rd rate.



From the cor. of secs. 27, 28, 33 and 34, I run  
East on a random line bet. secs. 27 and 34.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.82 Falls 12 lks. N. of the cor. of secs. 26, 27, 34 and 35.  
Thence I run  
N.  $89^{\circ} 55'$  W. on a true line bet. secs. 27 and 34.  
Over rolling land.
- 1.35 Draw, drains N.  $45^{\circ}$  W.
- 6.00 Low ridge, brs. N. and S.
- 13.75 Draw, drains N.  $45^{\circ}$  W.
- 18.30 Draw, drains N.
- 23.30 Draw, drains N.  $45^{\circ}$  E.
- 26.50 Draw, drains N.
- 30.40 Low ridge, brs. N.  $30^{\circ}$  W. and S.  $30^{\circ}$  E.
- 32.60 Draw, drains N.  $45^{\circ}$  W.
- 35.10 Low ridge, brs. N. and S.
- 39.91 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 27 and 34,  
with brass cap stamped  
 $\frac{1}{4}$  S 27 in N. half  
S 34 1912 in S. half  
Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of  
cor.
- 40.30 Vertical cut bank, 20 ft. high, brs. N. and S.
- 48.25 Dim road, brs. N.  $20^{\circ}$  W. and S.  $20^{\circ}$  E.
- 50.90 Road, brs. N.  $30^{\circ}$  W. and S.  $30^{\circ}$  E.
- 56.50 Wash, course N.  $60^{\circ}$  E.
- 65.35 Wash, course N.  $45^{\circ}$  W.
- 72.00 Wash, course N.  $30^{\circ}$  W.
- 79.82 The cor. of secs. 27, 28, 33 and 34.

Land, rolling and broken, - barren.  
Soil, stony, and gravelly, 3rd rate.



Subdivision of T. 4 N., R. 21 W.

Chains

From the cor. of secs. 27, 28, 33 and 34, I run  
N. 0° 02' W. bet. secs. 27 and 28.

Over rolling land.

- 2.00 Wash, course N. 75° W.
- 17.75 Wash, course N. 60° W.
- 19.75 Wash, course W.
- 33.00 Wash, course N. 30° W.
- 40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 27 and 28,  
with brass cap stamped

$\frac{1}{4}$  S 28 in W. half  
 S 27 in E. half  
 1912 in S., from which

A palo fierro 12 ins. dia. brs. S. 52° 55' N., 145 lks. dist.  
 Mkd.  $\frac{1}{4}$  S 27 B T.

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

- 40.50 Wash, course N. 55° W.
- 44.50 Enter arroyo, course N. 75° W.
- 49.75 Leave arroyo, course N. 75° W.
- 56.75 Enter arroyo, course N. 75° W.
- 67.00 Leave arroyo, course N. 75° W.
- 71.50 Dim road, brs. E. and W.
- 80.00 Set an iron post for the cor. of secs. 21, 22, 27 and 28,  
with brass cap stamped

T 4 N S 22 in NE. quadrant  
 R 21 W S 27 in SE. quadrant  
 S 28 in SW. quadrant  
 S 21 in NW. quadrant

1912 in S.  
 2 notches on S. and 3 on E. edges, from

which

- A palo fierro 24 ins. dia. brs. N. 42° 35' E., 88 lks. dist.  
Mkd. T 4 N R 21 W S 22 B T.
- A palo fierro 12 ins. dia. brs. S. 68° E., 147 lks. dist.  
Mkd. T 4 N R 21 W S 27 B T.
- A palo verde 8 ins. dia. brs. S. 61° W., 72 lks. dist.  
Mkd. T 4 N R 21 W S 28 B T.
- A palo fierro 8 ins. dia. brs. N. 39° 45' W., 120 lks. dist.  
Mkd. T 4 N R 21 W S 21 B T.

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

Land, rolling, - barren.  
 Soil, gravelly, 3rd rate.  
 Scattering palo fierro and palo verde trees in washes.

Subdivision of T. 4 N., R. 21 W.

Chains

From the cor. of secs. 21, 22, 27 and 28, I run  
S. 89° 55' E. on a random line bet. secs. 22 and 27.

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

79.94 Falls 12 lks. N. of cor. of secs. 22, 23, 26 and 27.

Thence I run

N. 89° 50' W. on a true line bet. secs. 22 and 27.

Over broken mountain land.

7.00 Draw, drains S. 45° W.

7.50 Draw, drains S. 45° E.

9.90 Draw, drains S.

18.00 Draw, drains S. 60° E.

22.90 Low ridge, brs. NW. and SE.

39.97 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 22 and 27,  
with brass cap stamped

$\frac{1}{4}$  S 22 in N. half  
S 27 1912 in S. half

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

44.50 Drain, course S. 65° W.

54.50 Draw, drains S. 60° W.

64.80 Draw, drains S.

66.10 Draw, drains S.

79.94 The cor. of secs. 21, 22, 27 and 28.

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

Feb. 5, 1912. At this cor., I set off 16° 08 $\frac{1}{2}$ ' S., on  
the decl. arc, and at 12h 14m 06s P.M., l.m.t., observe  
the sun on the meridian; the resulting lat. is 33° 39 $\frac{1}{2}$ ',  
the proper lat.

-----  
From the cor. of secs. 21, 22, 27 and 28, I run  
N. 0° 02' W. bet. secs. 21 and 22.

Over broken land.

1.00 Wash, course W. Thence ascend S. slope of ridge.

15.90 Summit of rocky ridge, brs. E. and W.

Subdivision of T. 4 N., R. 21 W.

Chains

17.00 Deep draw, drains S. 30° W.

18.80 Ridge, brs. E. and W.

23.70 Draw, drains W.

25.70 Ridge, brs. N. 60° W. and S. 60° E.

33.50 Draw, drains N. 70° W.

39.00 Wash, course W.

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 21 and 22,  
with brass cap stamped

$\frac{1}{4}$  S 21 in W. half  
S 22 in E. half  
1911 in S.

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

43.40 Wash, course W.

48.50 Wash, course W.

52.00 Wash, course W.

57.25 Wash, course W.

60.00 Wash, course W.

64.00 Wash, course S. 80° W.

69.00 Wash, course W.

76.00 Rocky Gulch, course W.

80.00 Set an iron post for the cor. of secs. 15, 16, 21 and 22,  
with brass cap stamped

T 4 N S 15 in NE. quadrant  
R 21 W S 22 in SE. quadrant  
S 21 in SW. quadrant  
S 16 in NW. quadrant  
1912 in S.  
3 notches on S. and E. edges.

Dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and  
raise a mound of earth 4 ft. base, 2 ft. high, W. of  
cor.

Land, rolling, broken, - and barren.  
Soil, sandy and gravelly, 3rd rate.

-----  
From the cor. of secs. 15, 16, 21 and 22, I run  
S. 89° 50' E. on a random line bet. secs. 15 and 22.

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

Subdivision of T. 4 N. R. 21 W.

Chains

79.84 Falls 7 lks. N. of the cor. of secs. 14, 15, 22 and 23.  
 Thence I run  
 N. 89° 47' W. on a true line bet. secs. 15 and 22.  
 Over broken land.

6.30 Draw, drains N. 50° W.

10.80 Low ridge, brs. N. 50° W. and S. 50° E.

13.30 Draw, drains N. 60° W.

17.84 Prospect shaft, brs. S., 35 lks. dist.

18.84 Draw, drains N. 60° W.

22.80 Low ridge, brs. N. 60° W. and S. 60° E.

26.30 Dim road, brs. N. 85° W. and S. 80° E.

31.80 Low ridge, brs. N. 60° W. and S. 60° E.

36.85 Draw, drains S. 30° W.

39.92 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 15 and 22,  
 with brass cap stamped

$\frac{1}{4}$  S 15 in N. half  
 S 22 1912 in S. half

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

40.80 Ridge, brs. N. 80° E. and S. 80° W.

41.35 Road, brs. N. 88° W. and S. 88° E.

60.85 Same road, brs. N. 88° E. and S. 75° W.

61.85 Goodman Tank, brs. N., 1 ch. dist.

62.85 Rocky Gulch, course S. 75° W. (Near this point in the  
 gulch was one of the principal Placer Workings in the  
 old days of La Paz.

75.85 Draw, drains S.

79.84 The cor. of secs. 15, 16, 21 and 22.

Land, broken, - barren.  
 Soil, stony and gravelly, 3rd rate.

-----  
 From the cor. of secs. 15, 16, 21 and 22, I run  
 N. 0° 02' W. bet. secs. 15 and 16.  
 Over rolling land.

3.50 Road, brs. E. and W.

Subdivision of T. 4 N., R. 21 W.

Chains

- 7.00 Wash, course W.
- 18.00 Wash, course S. 45° W.
- 23.50 Draw, drains S. 15° E.
- Begin steep and broken ascent of mountain.
- 38.60 Top of rugged ridge, brs. E. and W.
- 40.00 Set an iron post for the  $\frac{1}{4}$  sec. cor. bet. secs. 15 and 16,  
with brass cap stamped
  - $\frac{1}{4}$  S 16 in W. half
  - S 15 in E. half
  - 1912 in S.

Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 46.60 Draw, drains W.
- 53.40 High mountainous ridge, brs. E. and W.
- 64.00 Draw, drains W.
- 77.50 Mountain ridge, brs. N. 60° W. and S. 60° E.
- 80.00 Set an iron post for the cor. of secs. 9, 10, 15 and 16,  
with brass cap stamped
  - T 4 N S 10 in NE. quadrant
  - R 21 W S 15 in SE. quadrant
  - S 16 in SW. quadrant
  - S 9 in NW. quadrant
  - 1912 in S.
  - 4 notches on S. and 3 notches on E. edge

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

Land, mountainous, - barren.  
Soil, stony, 3rd rate.

Feb. 5, 1912.

Feb. 6, 1912. At 9 a.m., l.m.t., I set off  $33^{\circ} 41\frac{1}{2}'$  on the lat. arc,  $15^{\circ} 51\frac{1}{2}'$  S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16.

Thence I run  
S.  $89^{\circ} 47'$  E. on a random line bet. secs. 10 and 15.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.92 Falls 25 lks. S. of the cor. of secs. 10, 11, 14 and 15.
- Thence I run  
N.  $89^{\circ} 58'$  W. on a true line bet. secs. 10 and 15.

Subdivision of T. 4 N., R. 21 W.

Chains

Over broken, mountainous land.

0.50 Draw, drains N.

10.15 High mountain ridge, brs. N. and S.

15.15 Draw, drains N.

26.75 High mountain ridge, brs. N. and S.

35.90 Draw, drains N.

39.96 Set an iron post for the 1/4 sec. cor. bet. secs. 10 and 15,  
with brass cap stamped

1/4 S 10 in N. half  
S 15 1912 in S. half

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

42.40 Ridge, brs. N. 20° E. and S. 20° W.

45.40 Draw, drains N. 45° E.

60.00 High mountain ridge, brs. N. and S.

69.90 Draw, drains N. 45° W.

74.60 Ridge, brs. N. 20° W. and S. 20° E.

79.15 Ridge, brs. N. 20° W. and S. 20° E.

79.92 The cor. of secs. 9, 10, 15 and 16.

Land, rugged and mountainous, - barren.  
Soil, stony, 3rd rate.

-----  
From the cor. of secs. 9, 10, 15 and 16, I run  
N. 0° 02' W. bet. secs. 9 and 10.

Over rugged mountains.

7.00 Rocky draw, drains W.

15.00 Ridge, brs. N. 45° E. and S. 45° W.

21.00 Draw, drains S. 60° W.

26.00 High mountain ridge, brs. N. 80° W. and S. 80° E.

35.50 Deep rocky draw, drains N. 60° W.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 9 and 10,  
with brass cap stamped

1/4 S 9 in W. half  
S 10 in E. half  
1912 in S.

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

## Subdivision of T. 4 N., R. 21 W.

## Chains

- 41.50 Rugged ridge, brs. N. 60° W. and S. 60° E.  
 56.50 Draw, drains N. 70° W.  
 62.00 Low ridge, brs. N. 60° W. and S. 60° E. Leave mountains  
 and enter rolling mesa, brs. N. 60° W. and S. 60° E.  
 79.50 Enter arroyo, course N. 80° W.  
 80.00 Set an iron post for the cor. of secs. 3, 4, 9 and 10,  
 with brass cap stamped

T 4 N S 3 in NE. quadrant  
 R 21 W S 10 in SE. quadrant  
 S 9 in SW. quadrant  
 S 4 in NW. quadrant

1912 in S.

5 notches on S. and 3 on E. edge

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

Land, rugged and mountainous, and rolling barren mesa.  
 Soil, sandy and stony, 3rd rate.

-----  
 From the cor. of secs. 3, 4, 9 and 10, I run  
 S. 89° 58' E. on a random line bet. secs. 3 and 10.

- 40.00 Set temp. ¼ sec. cor.  
 80.00 Falls 4 lks. S. of the cor. of secs. 2, 3, 10 and 11.  
 Thence I run  
 West on a true line bet. secs. 3 and 10.  
 Over broken SE. slope of mountain.  
 1.50 Draw, drains S. 10° E.  
 5.75 Low ridge, brs. N. and S.  
 16.00 Mountain ridge, brs. N. 40° E. and S. 40° W.  
 23.75 Draw, drains N. 20° W.  
 25.25 Ridge, brs. N. 20° W. and S. 20° E.  
 28.50 Draw, drains N. 20° W.  
 29.50 Ridge, brs. N. 15° W. and S. 15° E.  
 40.00 Set an iron post for ¼ sec. cor. bet. secs. 3 and 10,  
 with brass cap stamped

¼ S 3 in N. half  
 S 10 1912 in S. half

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

Subdivision of T. 4 N., R. 21 W.

Chains

- 45.00 Draw, drains N.
- 55.00 Enter arroyo, course N. 70° W.
- 80.00 The cor. of secs. 3, 4, 9 and 10.  
Land, mountains and mesas, - barren.  
Soil, gravelly and stony, 3rd rate.

-----

From the cor. of secs. 3, 4, 9 and 10, I run  
N. 0° 02' W. on a true line bet. secs. 3 and 4.

- Through arroyo.
- 20.00 Summit of knoll, brs. NW. and SE.
- 34.00 Leave arroyo, course N. 70° W.
- 36.50 Low ridge, brs. E. and W.
- 37.50 Enter arroyo, course W.
- 40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 3 and 4, with  
brass cap stamped

$\frac{1}{4}$  S 4 in W. half  
S 3 in E. half  
1911 in S.

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

- 52.50 Leave arroyo, course W.
- 61.50 Wash, course S. 60° W.
- 64.50 Dim road, brs. E. and W.

79.84 Intersect the 1st Standard Parallel N., 80 lks. W. of  
the Standard  $\frac{1}{4}$  sec. cor. of sec. 34, T. 5 N., R. 21 W.

Set an iron post for C.C. of secs. 3 and 4, with brass  
cap stamped

C C 1912 in S.  
T 4 N S 4 in SW. quadrant  
R 21 W S 3 in SE. quadrant  
3 notches on E. and W. edges

Dig pits 24x18x12 ins. E., and W., 3 ft., and S. of  
cor. 7 ft. dist., and raise a mound of earth 4 ft.  
base, 2 ft. high, S. of post.

Land, rolling mesa.  
Soil, sandy and gravelly, 3rd rate.

-----

Feb. 6, 1912. At the C.C. of secs. 3 and 4, on the 1st.  
Standard Parallel N., I set off 15° 49 $\frac{1}{2}$ ' S. on the decl.

Subdivision of T. 4 N., R. 21 W.

Chains

arc, and at 12h 14m 11s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 43', the proper lat.

-----  
From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp.,

I run

N. 0° 02' W. bet. secs. 32 and 33.

Over rolling land.

- 1.75 Wash, course S. 60° W.
- 9.55 Ehrenberg-Quartzsite road, brs. E. and W.
- 10.25 Ehrenberg-Quartzsite telephone line, brs. E. and W.
- 13.80 Enter arroyo, course W.
- 22.20 Leave arroyo, course W.
- 32.75 Wash, course W.
- 40.00 Set an iron post for the ¼ sec. cor. bet. secs. 32 and 33, with brass cap stamped

¼ S 32 in W. half  
 S 33 in E. half  
 1912 in S.

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

- 47.25 Wash, course W.
- 50.00 Enter arroyo, course W.
- 55.00 Leave arroyo, course W.
- 58.10 Wash, course S. 65° W.
- 63.30 Wash, course S. 60° W.
- 68.65 Wash, course W.
- 72.75 Wash, course W.
- 75.50 Dim road, brs. E. and W.
- 80.00 Set an iron post for the cor. of secs. 28, 29, 32 and 33, with brass cap stamped

T 4 N S 28 in NE. quadrant  
 R 21 W S 33 in SE. quadrant  
 S 32 in SW. quadrant  
 S 29 in NW. quadrant  
 1 notch on S. and 4 on E. edges

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

Land, rolling, - barren.  
Soil. gravelly. 3rd rate.

## Subdivision of T. 4 N., R. 31 W.

## Chains

From the cor. of secs. 28, 29, 32 and 33, I run  
East on a random line bet. secs. 28 and 33.

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

80.10 Intersect the cor. of secs. 27, 28, 33 and 34.

Thence I run

West on a true line bet. secs. 28 and 33.

Over rolling land.

5.10 Dim road, brs. N. 60° W. and S. 60° E.

14.00 Wash, course N. 10° W.

32.00 Enter wash, course N. 85° W.

38.00 Leave wash, course N. 85° W.

40.05 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 28 and 33,  
with brass cap stamped

$\frac{1}{4}$  S 28 in N. half  
S 33 1912 in S. half

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

41.50 Wash, course N. 60° W.

54.00 Wash, course N. 75° W.

60.00 Dim road, brs. N. 60° W. and S. 60° E.

64.00 Wash, course N. 75° W.

67.50 Wash, course S. 60° W.

80.10 The cor. of secs. 28, 29, 32 and 33.

Land, rolling, - barren.  
Soil, gravelly, 3rd rate.

From the cor. of secs. 28, 29, 32 and 33, I run  
N. 0° 02' W. bet. secs. 28 and 29.

Over rolling land.

2.45 Wash, course W.

9.50 Wash, course N. 45° W.

12.30 Wash, course W.

14.30 Road, brs. N. 55° W. and S. 55° E.

18.20 Wash, course N. 45° W.

23.10 Enter arroyo, course N. 80° W.

30.50 Leave arroyo, course N. 80° W.

## Subdivision of T. 4 N., R. 21 W.

## Chains

- 36.30 Wash, course W.
- 39.75 Wash, course W.
- 40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 28 and 29,  
with brass cap stamped
- $\frac{1}{4}$  S 29 in W. half  
S 28 in E. half  
1912 in S.
- Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 45.00 Wash, course N. 50° W.
- 47.40 Road, brs. N. 50° W. and S. 50° E.
- 50.40 Road, brs. N. 50° W. and S. 50° E.
- 56.35 Wash, course N. 60° W.
- 55.25 Wash, course S. 70° W.
- 70.50 Enter arroyo, course N. 70° W.
- 80.00 Set an iron post for the cor. of secs. 20, 21, 28 and 29,  
with brass cap stamped
- T 4 N. S 21 in NE. quadrant  
R 21 W S 28 in SE. quadrant  
S 29 in SW. quadrant  
S 20 in NW. quadrant  
1912 in S.  
2 notches on S. and 4 on E. edges
- Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- Land, rolling, - barren.  
Soil, gravelly and sandy, 3rd rate.

- From the cor. of secs. 20, 21, 28 and 29, I run  
East on a random line bet. secs. 21 and 28.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.20 Falls 5 lks. S. of the cor. of secs. 21, 22, 27 and 28.  
Thence I run  
S. 89° 58' W. on a true line bet. secs. 21 and 28.  
Over rolling land.
- 4.25 Top of low ridge, brs. N. 60° W. and S. 60° E.
- 16.50 Enter arroyo, course N. 75° W.
- 40.10 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 21 and 28,  
with brass cap stamped

## Subdivision of T. 4 N., R. 21 W.

## Chains

$\frac{1}{4}$  S 21 in N. half  
 S 28 1912 in S. half, from which

A palo verde 12 ins. dia. brs. N.  $48\frac{1}{2}^{\circ}$  E., 69 lks. dist.

Mkd.  $\frac{1}{4}$  S 21 B T.

A palo verde 12 ins. dia. brs. S.  $76\frac{1}{4}^{\circ}$  W., 154 lks. dist.

Mkd.  $\frac{1}{4}$  S 28 B T.

80.20 The cor. of secs. 20, 21, 28 and 29.

Land, rolling and level arroyo bottom, - barren.

Soil, gravelly, 3rd rate.

Timber, scattering palo verde and palo fierro in arroyo.

Feb. 6, 1912.

Feb. 7, 1912. At 9 a.m., l.m.t., I set off  $33^{\circ} 39\frac{1}{2}'$  on the lat. arc,  $15^{\circ} 33'$  S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence I run

N.  $0^{\circ} 02'$  W. bet. secs. 20 and 21.

Over rolling land, in arroyo.

11.85 Leave arroyo, course W.

13.95 Wash, course S.  $60^{\circ}$  W.

26.00 Wash, course N.  $40^{\circ}$  W.

34.70 Wash, course N.  $75^{\circ}$  W.

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 20 and 21, with brass cap stamped

$\frac{1}{4}$  S 20 in W. half

S 21 in E. half

1912 in S.

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

41.80 Enter arroyo, course W.

66.30 Leave arroyo, course W.

73.60 Road, brs. E. and W.

80.00 Set an iron post for the cor. of secs. 16, 17, 20 and 21, with brass cap stamped

T 4 N S 16 in NE. quadrant

R 21 W S 21 in SE. quadrant

S 20 in SW. quadrant

S 17 in NW. quadrant

1912 in S.

3 notches on S. and 4 on E. edge

Dig pits  $18 \times 18 \times 12$  ins. in each sec.  $5\frac{1}{2}$  ft. dist., and

Subdivision of T. 4 N., R. 21 W.

Chains

raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling, - barren.  
Soil, stony, 3rd rate.

-----  
From the cor. of secs. 16, 17, 20 and 21, I run  
N. 89° 58' E. on a random line bet. secs. 16 and 21.

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

80.20 Falls 14 lks. N. of the cor. of secs. 15, 16, 21 and 22.

Thence I run

N. 89° 56' W. on a true line bet. secs. 16 and 21.

Over rolling land.

15.00 Road, brs. N. 80° E. and S. 60° W.

31.25 Wash, course N. 75° W.

40.10 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 16 and 21,

with brass cap stamped

$\frac{1}{4}$  S 16 in N. half  
S 21 1912 in S. half

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.,

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

N. of cor.

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

Land, rolling, - barren.  
Soil, stony and sandy, 3rd rate.

-----  
From the cor. of secs. 16, 17, 20 and 21, I run

N. 0° 02' W. bet. secs. 16 and 17.

Over rolling land.

13.85 Wash, course W.

16.55 Wash, course W.

29.60 Enter arroyo, course N. 60° W.

39.00 Leave arroyo, course N. 60° W.

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 16 and 17,

with brass cap stamped

Subdivision of T. 4 N., R. 21 W.

Chains

1/4 S 17 in W. half  
S 16 in E. half  
1912 in S.

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

- 40.55 Wash, course W.
- 44.60 Wash, course N. 45° W.
- 53.00 Enter arroyo, course N. 60° W.
- 57.75 Leave arroyo, course N. 60° W.
- 61.85 Wash, course N. 45° W.
- 67.50 Wash, course S. 60° W.
- 73.70 Enter arroyo, course W.
- 76.50 Leave arroyo, course W.
- 80.00 Set an iron post for the cor. of secs. 8, 9, 16 and 17,  
with brass cap stamped

T 4 N S 9 in NE. quadrant  
R 21 W S 16 in SE. quadrant  
S 17 in SW. quadrant  
S 8 in NW. quadrant  
1912 in S.

4 notches on S. and 4 on E. edges.

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

Land, rolling, - barren.  
Soil, gravelly and sandy, 3rd rate.

-----

From the cor. of secs. 8, 9, 16 and 17, I run  
S. 89° 56' E. on a random line bet. secs. 9 and 16.

- 40.00 Set temp. 1/4 sec. cor.
- 80.22 Falls 12 lks. S. of the cor. of secs. 9, 10, 15 and 16.  
Thence I run  
S. 89° 59' W. on a true line bet. secs. 9 and 16.  
Over mountainous land.

- 4.50 Mountainous ridge, brs. N. 50° W. and S. 50° E.
- 10.00 Draw, drains N. 45° W.
- 11.75 Ridge, brs. N. 70° W. and S. 70° E.
- 35.50 Wash, course N. 85° W.
- Leave mountains, enter rolling land, brs. N. and S.
- 40.11 Set an iron post for 1/4 sec. cor. bet. secs. 9 and 16,

## Subdivision of T. 4 N., R. 21 W.

## Chains

with brass cap stamped

$\frac{1}{4}$  S 9 in N. half  
S 16 1912 in S. half

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

50.00 Wash, course N.  $60^\circ$  W.

69.75 Wash, course N.  $75^\circ$  W.

80.22 The cor. of secs. 8, 9, 16 and 17.

Land, mountainous and rolling, - barren.  
Soil, stony, 3rd rate.

February 7, 1912. At the cor. of secs. 8, 9, 16 and 17,  
I set off  $15^\circ 31\frac{1}{4}'$  S. on the decl. arc, and at 12h 14m  
16s P.M., l.m.t., observe the sun on the meridian; the  
resulting lat. is  $33^\circ 41\frac{1}{2}'$ , the proper lat.

Thence I run

N.  $0^\circ 02'$  W. bet. secs. 8 and 9.

Over rolling land.

4.00 Wash, course W.

8.50 Enter arroyo, course W.

13.00 Leave arroyo, course W.

20.00 Enter large arroyo, course W.

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 8 and 9, with

brass cap stamped

$\frac{1}{4}$  S 8 in W. half  
S 9 in E. half  
1912 in S.

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

59.40 Leave arroyo, course W.

64.30 Wash, course S.  $60^\circ$  W.

71.30 Wash, course W.

80.00 Set an iron post for the cor. of secs. 4, 5, 8 and 9,

with brass cap stamped

Subdivision of T. 4 N., R. 21 W.

Chains

T 4 N S 4 in NE. quadrant  
 R 21 W S 9 in SE. quadrant  
           S 8 in SW. quadrant  
           S 5 in NW. quadrant  
 1912 in S.  
 5 notches on S. and 4 on E. edge

Dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and  
 raise a mound of earth 4 ft. base, 2 ft. high, W. of  
 cor.

Land, rolling, - barren.  
 Soil, sandy, 3rd rate.

-----  
 From the cor. of secs. 4, 5, 8 and 9, I run  
 N. 89° 59' E. on a random line bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. cor.

80.04 Falls 18 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence I run

S. 89° 51' W. on a true line bet. secs. 4 and 9.

Over rolling land, through arroyo.

1.50 Leave arroyo, course N. 70° W.

10.50 Wash, course N. 60° W.

24.50 Wash, course N. 60° W.

40.02 Set an iron post for ¼ sec. cor. bet. secs. 4 and 9, with  
 brass cap stamped

¼ S 4 in N. half  
 S 9 1912 in S. half

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.,  
 and raise a mound of earth 3½ ft. base, 1½ ft. high,  
 N. of cor.

80.04 The cor. of secs. 4, 5, 8 and 9.

Land, rolling, - barren.  
 Soil, sandy, 3rd rate.

-----  
 From the cor. of secs. 4, 5, 8 and 9, I run  
 N. 0° 02' W. bet. secs. 4 and 5.

Over rolling land.

35.50 Enter arroyo, course N. 80° W.

## Subdivision of T. 4 N., R. 21 W.

## Chains

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 4 and 5, with brass cap stamped

$\frac{1}{4}$  S 5 in W. half  
S 4 in E. half  
1912 in S., from which

A palo verde 14 ins. dia. brs. S.  $77\frac{1}{2}^{\circ}$  E., 78 lks. dist.  
Mkd.  $\frac{1}{4}$  S 4 B T.

A palo fierro 20 ins. dia. brs. S.  $77\frac{1}{2}^{\circ}$  W., 213 lks. dist.  
Mkd.  $\frac{1}{4}$  S 5 B T.

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

56.25 Road, brs. E. and W.

60.50 Leave arroyo, course N.  $70^{\circ}$  W.

80.00 Intersect the 1st Standard Parallel N., 1.00 ch. West of the Standard  $\frac{1}{4}$  sec. cor. of sec. 33, T. 5 N., R. 21 W.;

Set an iron post for C.C. of secs. 4 and 5, with brass cap stamped

C C 1912 in S.  
T 4 N S 5 in SW. quadrant  
R 21 W S 4 in SE. quadrant  
4 notches on E. and 2 on W. edges

Dig pits 24x18x12 ins. E. and W., 3 ft., and S. of post 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

Land, rolling and level, - barren.

Soil, sandy, 3rd rate.

Timber, scattered palo verde and palo fierro, in arroyo.

Feb. 7, 1912.

February 8, 1912. At 9 a.m., l.m.t., I set off  $33^{\circ} 37'$  on the lat. arc,  $15^{\circ} 14'$  S. on the decl. arc, and determine a meridian with the solar at the true point for cor. of secs. 5, 6, 31 and 32, on S.bdy. of Tp., which is 20 lks. W. of W.C., and which falls in Ehrenberg-Quartzsite Road, bearing NE. and SW.

Thence I run

N.  $0^{\circ} 03'$  W. bet. secs. 31 and 32.

Through Arroyo La Paz.

0.25 Ehrenberg-Quartzsite telephone line, brs. N.  $60^{\circ}$  E. and S.  $60^{\circ}$  W.

8.70 Leave arroyo, course W. Thence over rolling land.

11.90 Wash, course W.

25.00 Enter arroyo, course W.

40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 31 and 32, with brass cap stamped

$\frac{1}{4}$  S 31 in W. half  
S 32 in E. half  
1912 in S.

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

40.25 Leave arroyo, course W.

Subdivision of T. 4 N., R. 21 W.

Chains

44.10 Wash, course N. 65° W.

57.60 Wash, course W.

68.10 Wash, course W.

71.30 Wash, course S. 80° W.

89.00 Set an iron post for the cor. of secs. 29, 30, 31 and 32, with brass cap stamped

T 4 N S 29 in NE. quadrant  
R 21 W S 32 in SE. quadrant  
S 31 in SW. quadrant  
S 30 in NW. quadrant

1912 in S.

1 notch on S. and 5 notches on E. edges

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

Land, rolling, - barren.

Soil, stony, 3rd rate.

-----  
From the cor. of secs. 29, 30, 31 and 32, I run

East on a random line bet. secs. 29 and 32.

40.00 Set temp. ¼ sec. cor.

80.14 Falls 20 lks. S. of the cor. of secs. 29, 29, 32 and 33,

Thence I run

S. 89° 51' W. on a true line bet. secs. 29 and 32.

Over rolling land.

9.00 Road, brs. N. 70° W. and S. 70° E.

16.00 Wash, course N. 60° W.

38.00 Enter arroyo, course N. 70° W.

40.07 Set an iron post for the ¼ sec. cor. bet. secs. 29 and 32, with brass cap stamped

¼ S 29 in N. half  
S 32 1912 in S. half

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

45.00 Leave arroyo, course N. 60° W.

66.30 Wash, course N. 60° W.

78.25 Wash, course N. 30° W.

80.14 The cor. of secs. 29, 30, 31 and 32.

Land, rolling, - barren.

Soil. sandy. 3rd rate.

Subdivision of T. 4 N., R. 21 W.

Chains

From the cor. of secs. 29, 30, 31 and 32, I run West on a random line bet. secs. 30 and 31.

40.00 Set temp. 1/4 sec. cor.

78.45 Falls 5 lks. S. of the cor. of secs. 25, 30, 31 and 36, on W. bdy. of Tp.

Thence I run

S. 89° 58' E. on a true line bet. secs. 30 and 31.

Over rolling land.

12.50 Wash, course N.

20.75 Wash, course N.

38.45 Set an iron post for 1/4 sec. cor. bet. secs. 30 and 31, with brass cap stamped

1/4 S 30 in N. half  
S 31 1912 in S. half

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

48.00 Wash, course N.

52.00 Wash, course N. 50° W.

65.00 Enter arroyo, course N. 45° W.

70.00 Leave arroyo, course N. 45° W.

78.45 The cor. of secs. 29, 30, 31 and 32.

Land, rolling, - barren.  
Soil, sandy, 3rd rate.

From the cor. of secs. 29, 30, 31 and 32, I run N. 0° 03' W. bet. secs. 29 and 30.

Over rolling land.

4.00 Wash, course W.

9.35 Enter arroyo, course W.

15.00 Leave arroyo, course W.

18.05 Wash, course W.

23.00 Dim road, brs. N. 80° W. and S. 80° E.

27.00 Wash, course N. 60° W.

32.80 Wash, course N. 70° W.

Subdivision of T. 4 N., R. 21 W.

Chains

- 39.50 Enter arroyo, course W.
  - 40.00 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 29 and 30,  
with brass cap stamped  
  

$\frac{1}{4}$ S 30	in W. half
S 29	in E. half
1912	in S.

  
 Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.,  
and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.
  - 42.00 Leave arroyo, course W.
  - 43.30 Wash, course W.
  - 47.50 Dim road, brs. N. 80° W. and S. 80° E.
  - 64.50 Enter arroyo, course W.
  - 77.00 Leave arroyo, course W.
  - 80.00 Set an iron post for the cor. of secs. 19, 20, 29 and 30,  
with brass cap stamped  
  

T 4 N S 20	in NE. quadrant
R 21 W S 29	in SE. quadrant
S 30	in SW. quadrant
S 19	in NW. quadrant

 2 notches on S. and 5 on E. edges  
  
 Build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of  
cor.  
  
 Land, rolling, - barren.  
Soil, sandy and stony, 3rd rate.
- 
- From the cor. of secs. 19, 20, 29 and 30, I run  
N. 89° 51' E. on a random line bet. secs. 20 and 29.
  - 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
  - 80.20 Falls 2 lks. N. of the cor. of secs. 20, 21, 28 and 29,  
Thence I run  
S. 89° 52' W. on a true line bet. secs. 20 and 29.  
Over rolling land, through arroyo.
  - 14.75 Leave arroyo, course N. 45° W.
  - 33.00 Dim road, brs. NW. and SE.
  - 40.10 Set an iron post for the  $\frac{1}{4}$  sec. cor. bet. secs. 20 and 29,  
with brass cap stamped  
  

$\frac{1}{4}$ S 20	in N. half
S 29	1912 in S. half

Subdivision of T. 4 N., R. 21 W.

Chains

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

- 49.75 Wash, course N.
- 59.00 Enter arroyo, course N. 80° W., N. bank.
- 76.00 Leave arroyo, course S. 45° W.
- 80.20 The cor. of secs. 19, 20, 29 and 30.

Land, rolling, barren.  
Soil, sandy, 3rd rate.

Feb. 8, 1912. At this cor., I set off 15° 12 1/2' S. on the decl. arc, and at 12h 14m 20s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 39 1/2' the proper lat.

From the cor. of secs. 19, 20, 29 and 30, I run N. 89° 58' W. on a random line bet. secs. 19 and 30.

- 40.00 Set temp. 1/4 sec. cor.
- 78.37 Falls 5 lks. S. of the cor. of secs. 19, 24, 25 and 30, on W. bdy. of Tp.

Thence I run S. 89° 56' E. on a true line bet. secs. 19 and 30.

Over rolling land.

- 38.37 Set an iron post for 1/4 sec. cor. bet. secs. 19 and 30, with brass cap stamped

1/4 S 19 in N. half  
S 30 1912 in S. half, from which

A palo verde 10 ins. dia, brs. S. 17° W., 73 lks. dist. Mkd. 1/4 S 30 B T.

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

- 78.37 The cor. of secs. 19, 20, 29 and 30.

Land, rolling, barren.  
Soil, sandy and stony, 3rd rate.  
Timber, scattering palo verde.

From the cor. of secs. 19, 20, 29 and 30, I run

Subdivision of T. 4 N., R. 21 W.

Chains

N. 0° 03' W. bet. secs. 19 and 20.

Over rolling land.

15.20 Road, brs. N. 75° W. and S. 75° E.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 19 and 20,  
with brass cap stamped

1/4 S 19 in W. half  
S 20 in E. half  
1912 in S.

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

45.50 Enter arroyo, course N. 80° W.

71.50 Leave arroyo, course N. 80° W.

80.00 Set an iron post for the cor. of secs. 17, 18, 19 and 20,  
with brass cap stamped

T 4 N S 17 in NE. quadrant  
R 21 W S 20 in SE. quadrant  
S 19 in SW. quadrant  
S 18 in NW. quadrant  
1912 in S.

3 notches on S. and 5 notches on E. edges

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

Land, rolling, - barren.  
Soil, sandy and stony, 3rd rate.

-----  
From the cor. of secs. 17, 18, 19 and 20, I run  
N. 89° 52' E. on a random line bet. secs. 17 and 20.

40.00 Set temp. 1/4 sec. cor.

80.08 Falls 10 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence I run

S. 89° 56' W. on a true line bet. secs. 17 and 20.

Over rolling land.

40.04 Set an iron post for 1/4 sec. cor. bet. secs. 17 and 20,  
with brass cap stamped

1/4 S 17 in N. half  
S 20 1912 in S. half

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

Subdivision of T. 4 N., R. 21 W.

Chains

80.00 The cor. of secs. 17, 18, 19 and 20.

Land, rolling, - barren.  
Soil, sandy and stony, 3rd rate.

-----  
From the cor. of secs. 17, 18, 19 and 20, I run  
N. 89° 56' W. on a random line bet. secs. 18 and 19.

40.00 Set temp. 1/4 sec. cor.

78.26 Falls 2 lks. S. of the cor. of secs. 7, 12, 13 and 18,  
on W. bdy. of Tp.

Thence I run  
S. 89° 55' E. on a true line bet. secs. 18 and 19.  
Over level river bottom, opposite mouth of arroyo.

38.26 Set an iron post for the 1/4 sec. cor. bet. secs. 18 and  
19, with brass cap stamped

1/4 S 18 in N. half  
S 19 1912 in S. half, from which

A palo verde 18 ins. dia. brs. S. 50° W., 31 lks. dist.  
Mkd. 1/4 S 19 B T.

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

Thence up arroyo.

60.00 Leave arroyo at N. bank, course N. 70° W.

64.00 Draw, drains S.

77.80 Draw, drains S. 75° W.

78.26 The cor. of secs. 17, 18, 19 and 20.

Land, level and rolling, - grazing and barren.  
Soil, sandy, 3rd rate.  
Scattering brush on bottom and in arroyo.

Feb. 8, 1912.

-----  
Feb. 9, 1912. At 9 a.m., l.m.t., I set off 33° 40 1/2' on  
the lat. arc, and 14° 55' S. on the decl. arc, and  
determine a meridian with the solar at the cor. of secs.  
17, 18, 19 and 20.

Thence I run  
N. 0° 03' W. bet. secs. 17 and 18.

Over rolling land.

Subdivision of T. 4 N., R. 21 W.

Chains

- 0.70 Draw, drains S. 50° W.
- 8.65 Wash, course W.
- 23.65 Wash, course N. 65° W.
- 32.40 Wash, course W.
- 40.00 Set an iron post for the  $\frac{1}{4}$  sec. cor. bet. secs. 17 and 18,  
with brass cap stamped

$\frac{1}{4}$  S 18 in W. half  
 S 17 in E. half  
 1912 in S.

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

- 49.45 Enter arroyo, course W.
- 55.75 Leave arroyo, course W.
- 58.50 Low ridge, brs. E. and W.
- 80.00 Set an iron post for the cor. of secs. 7, 8, 17 and 18,  
with brass cap stamped

T 4 N S 8 in NE. quadrant  
 R 21 W S 17 in SE. quadrant  
           S 18 in SW. quadrant  
           S 7 in NW. quadrant  
 1912 in S.

4 notches on S. and 5 notches on E. edge

Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$  ft. dist., and  
 raise a mound of earth 4 ft. base, 2 ft. high, W. of  
 cor.

Land, rolling, - barren.  
 Soil, sandy and stony, 3rd rate.

-----

From the cor. of secs. 7, 8, 17 and 18, I run  
 N. 89° 56' E. on a random line bet. secs. 8 and 17.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.24 Falls 2 lks. N. of the cor. of secs. 8, 9, 16 and 17.  
Thence I run  
S. 89° 57' W. on a true line bet. secs. 8 and 17.  
Over rolling land.

- 21.00 Enter arroyo, course N. 45° W.
- 34.00 Leave arroyo, course N. 45° W.

Subdivision of T. 4 N., R. 21 W.

Chains

40.12 Set an iron post for  $\frac{1}{4}$  sec. cor. bet. secs. 8 and 17, with brass cap stamped

$\frac{1}{4}$  S 8 in N. half  
S 17 1912 in S. half, from which

A palo fierro 16 ins. dia. brs. N.  $51\frac{1}{4}^{\circ}$  W., 147 lks. dist.  
Mkd.  $\frac{1}{4}$  S 8 B T.

A palo fierro 10 ins. dia. brs. S.  $48^{\circ}$  E., 75 lks. dist.  
Mkd.  $\frac{1}{4}$  S 17 B T.

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

80.24 The cor. of secs. 7, 8, 17 and 18.

Land, rolling - barren.  
Soil, sandy and gravelly, 3rd rate.

-----  
From the cor. of secs. 7, 8, 17 and 18, I run  
N.  $89^{\circ} 55'$  W. on a random line bet. secs. 7 and 18.

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

78.14 Falls 2 lks. S. of the cor. of secs. 7, 12, 13 and 18, on  
W. bdy. of Tp.

Thence I run  
S.  $89^{\circ} 54'$  E. on a true line bet. secs. 7 and 18.

Through scattering brush, over level bottom.

12.80 Slough, 150 lks. wide, brs. N. and S.

20.00 Slough, 20 lks. wide, brs. N. and S.

27.00 Slough, 25 lks. wide, brs. N. and S.

29.20 Road, brs. N.  $20^{\circ}$  E. and S.  $20^{\circ}$  W. [Parker-Ehrenberg).

38.14 Set an iron post for the  $\frac{1}{4}$  sec. cor. bet. secs. 7 and 18,  
with brass cap stamped

$\frac{1}{4}$  S 7 in N. half  
S 18 1912 in S. half

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

54.00 Begin ascent of rolling land, leaving bottom land and  
brush, brs. N. and S.

59.00 Top of ascent, brs. N. and S. Thence over level mesa.

78.14 The cor. of secs. 7, 8, 17 and 18.

Subdivision of T. 4 N., R. 21 W.

Chains

Land, level and rolling, - grazing and barren.  
Soil, sandy loam and stony, 2nd and 3rd rate.  
Dense and scattering brush on bottom lands.

-----  
From the cor. of secs. 7, 8, 17 and 18, I run  
N. 0° 03' W. bet. secs. 7 and 8.  
Over rolling land.

30.40 Enter arroyo, course W.

40.00 Set an iron post for the  $\frac{1}{4}$  sec. cor. bet. secs. 7 and 8,  
with brass cap stamped

$\frac{1}{4}$  S 7 in W. half  
S 8 in E. half  
1912 in S., from which

A palo fierro 10 ins. dia. brs. N. 71° E., 31 lks. dist.  
Mkd.  $\frac{1}{4}$  S 8 B T.  
A palo verde 10 ins. dia. brs. N. 89° 30' W., 141 lks. dist.  
Mkd.  $\frac{1}{4}$  S 7 B T.

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

66.50 Leave arroyo, course W.

80.00 Set an iron post for the cor. of secs. 5, 6, 7 and 8,  
with brass cap stamped

T 4 N S 5 in NE. quadrant  
R 21 W S 8 in SE. quadrant  
S 7 in SW. quadrant  
S 6 in NW. quadrant  
1912 in S.  
5 notches on S. and 5 on E. edges

Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$  ft. dist., and  
raise a mound of earth 4 ft. base, 2 ft. high, W. of  
cor.

Land, rolling, - barren.  
Soil, stony, 3rd rate.  
Scattering palo verde trees in bottom.

Feb. 9, 1912. At the cor. of secs. 5, 6, 7 and 8, I set  
off 14° 54' S. on the decl. arc, and at 12h 44m 22s P.M.,  
l.m.t., observe the sun on the meridian; the resulting  
lat. is 33° 42 $\frac{1}{2}$ ', the proper lat.

Subdivision of T. 4 N., R. 21 W.

Chains

From the cor. of secs. 5, 6, 7 and 8, I run  
N. 89° 57' E. on a random line bet. secs. 5 and 8.

40.00 Set temp. 1/4 sec. cor.

80.14 Falls 7 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Thence I run

West on a true line bet. secs. 5 and 8.

Over rolling land.

18.10 Wash, course S. 50° W.

19.25 Wash, course S.

20.55 Wash, course S. 50° W.

26.15 Wash, course S. 50° W.

29.70 Wash, course S. 45° W.

40.07 Set an iron post for the 1/4 sec. cor. bet. secs. 5 and 8,  
with brass cap stamped

1/4 S 5 in N. half  
S 8 1912 in S. half

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

80.14 The cor. of secs. 5, 6, 7 and 8.

Land, rolling, - barren.  
Soil, sandy and stony, 3rd rate.



From the cor. of secs. 5, 6, 7 and 8, I run  
N. 89° 54' W. on a random line bet. secs. 6 and 7.

40.00 Set temp. 1/4 sec. cor.

78.13 Falls 7 lks. N. of the cor. of secs. 1, 6, 7 and 12, on  
W. bdy. of Tp.

Thence I run

S. 89° 57' E. on a true line bet. secs. 6 and 7.

Over level bottom land, through dense brush.

14.20 Slough, 10 lks. wide, brs. N. and S. (Stagnant water).

31.10 Slough, 20 lks. wide, brs. N. and S.

38.13 Set an iron post for 1/4 sec. cor. bet. secs. 6 and 7,  
with brass cap stamped

Subdivision of T. 4 N., R. 21 W.

Chains

1/4 S 6 in N. half  
S 7 1912 in S. half

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

39.25 Slough, 25 lks. wide, brs. N. and S.

44.50 Slough, 150 lks. wide, brs. N. and S.

64.00 Wash, course N. 30° W.

67.40 Road, brs. N. 25° E. and S. 25° W. (Parker-Ehrenberg).

70.00 Leave bottom land, and brush, brs. N. and S.

78.13 The cor. of secs. 5, 6, 7 and 8.

Land, level bottom.  
Soil, sandy, 2nd rate.

-----  
From the cor. of secs. 5, 6, 7 and 8, I run  
N. 0° 03' W. on a true line bet. secs. 5 and 6.  
Over rolling land.

25.00 Enter level bottom, brs. N. 10° E. and S. 10° W.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 5 and 6,  
with brass cap stamped

1/4 S 6 in W. half  
S 5 in E. half  
1912 in S.

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

51.00 Wire fence, brs. N. 65° W. and S. 65° E.

70.35 Small wash course W.

73.50 Small wash, course W.

80.00 Intersect the 1st Standard Parallel N., 1.12 chs. W. of  
the standard 1/4 sec. cor. of sec. 32, T. 5 N., R. 21 W.

Set an iron post for C.C. of secs. 5 and 6, with brass  
cap stamped

C C 1912 in S.  
T 4 N S 6 in SW. quadrant  
R 21 W S 5 in SE. quadrant  
5 notches on E. and 1 on W. edges

Subdivision of T. 4 N., R. 21 W.

Chains

Dig pits 24x18x12 ins. E. and W., 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

Land, rolling and level.  
Soil, sandy, 2nd rate.

Feb. 9, 1912.

GENERAL DESCRIPTION

This township consists of level, rolling and mountainous land, principally barren. The soil ranges from sandy second rate, to stony third rate. The famous La Paz Placer workings, worked in the sixtys, are located in the gulches and arroyos in this township.

The new La Paz Placer workings and the Goodman Mine are properties now in operation. The mountains in the eastern portion are covered with prospect holes.

GUY P. HARRINGTON

U. S. Surveyor.

List of Assistants:

Earl G. Harrington ( Instrumentmen  
A. O. Stinson )

Louis G. Hurst ( Chainmen  
William Cort )  
C. A. Simson ( )  
R. P. Duffy )

J. W. Rodgers ( Moundsmen  
Clifford Mc Laughlin )

W. J. Walshe ( Flagmen  
Leonard Blodgett )

W. E. Rose ( Axemen  
Chas. Bowman ( )  
John Mc Alpin ( )  
E. W. Hoagland )

Washington, D.C., July 14 1914.

I hereby certify that the survey of the subdivision lines of T. 4 N., R. 21 W., within the Colorado River Indian Reservation, Arizona, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated Nov. 23, 1910, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Drumming  
Topographer in Charge.

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RECORDED

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, Guy P. Harrington, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of T. 4 N., R. 21 W., within the Colorado River Indian reservation,

of the Gila & 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.	
Earl G. Harrington	Nov. 1, 1911	Apr. 1, 1912	Instrumentman
A. O. Stinsen	do.	do.	do.
Louis G. Hurst	do.	Feb. 27, 1912	Chainman
William Cort	do.	do.	do.
C. A. Simson	do.	Apr. 1, 1912	do.
R. P. Duffy	do.	do.	do.
J. W. Rodgers	do.	do.	Moundman
Clifford Mc Laughlin	do.	do.	do.
W. J. Walshe	do.	do.	Flagman
Leonard Blodgett	do.	do.	do.
W. E. Reese	do.	do.	Axeman
Chas. Bowman	do.	do.	do.
John Mc Alpin	Jan. 1, 1912	do.	do.
E. W. Hoagland	Nov. 1, 1911	do.	do.

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

Guy P. Harrington.

U. S. Surveyor.

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FINAL OATH OF UNITED STATES SURVEYOR.

I, Guy P. Harrington, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office by A. F. Dunnington, Topographer in Charge bearing date of the 23rd day of Nov., 1910, 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 the Colorado Indian Reservation,

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 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 Commissioner of the General Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Guy P. Harrington  
U. S. Surveyor.

Subscribed by said Guy P. Harrington, and sworn to before me }  
this 9th day of July, 1912.



Fred C. Voight  
County Clerk and Ex-Officio  
Clerk of the 4th Judicial  
District Court of the State  
of Nevada, in and for the  
County of Elko.

APPROVAL.

OFFICE OF THE COMMISSIONER OF THE GENERAL LAND OFFICE  
~~OFFICE OF THE UNITED STATES SURVEYOR-GENERAL,~~

Washington, D.C., Dec. 6, 1915

The foregoing field notes of the survey of the subdivision of T: 4 N., R. 21 W., within the Colorado River Indian Reservation, Arizona

executed by Guy P. Harrington, U. S. Surveyor, under direction of A. F. Dunnington Topographer in Charge under his special instructions dated November 23, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Sallman  
~~U. S. Surveyor General~~  
Commissioner of the General Land Office

I certify that the foregoing transcript of the field notes of the above-described surveys in Colorado River Ind. Res'n, Ariz., has been correctly copied from the original notes on file in this office.

Clay Sallman  
U. S. Surveyor General  
Commissioner of the General Land Office