

FIELD NOTES

FEB 4 - 1911

OF THE SURVEY OF THE

Subdivision Lines of

TOWNSHIP 6 NORTH RANGE 21 WEST

Within the Colorado River Indian Reservation

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

GUY P. HARRINGTON

In the capacity of U. S. Surveyor, under instructions dated Nov. 23, 1910,
Commissioner of the General Land Office to A.F. Dunnington,
~~issued by the United States Surveyor General to govern surveys included in~~
Topographer in Charge of Indian Surveys
~~Group No. , which were approved by the Commissioner of the General Land~~
~~Office, , 1911, pursuant to authority contained in the Act of~~
~~Congress dated , 1911~~

Survey commenced November 5, 1911.

Survey completed November 23, 1911.

100
1A

BOOK 2466

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Subdivision of T. 5 N., R. 21 W.

13

Chains

Survey commenced November 5, 1911, by Guy P. Harrington, U. S. Surveyor, and executed with Young & Sons light mountain transits Nos. 8388 and 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.

The SE. cor. of this Tp. is in Lat. $33^{\circ}43'24''$ N.; Long. $114^{\circ}22'37''$ W.

November 5, 1911. At my camp, which is in Section 32, T. 5 N., R. 21 W., Southwestern Arizona, Lat. $33^{\circ}43'$ N. Long. $114^{\circ}28'$ W., at 7h 01.7m P.M., l.m.t., I observe Polaris in position and mark the line of sight on the ground.

Time U. C. Polaris, Nov. 5, 1911	10h 31.5m
Time of observation	<u>7h 01.7m</u>
Hour Angle	3h 29.8m

From Table VII of the Manual, the corresponding azimuth is $1^{\circ}06'$ East.

Nov. 6, 1911. At 8 A.M., I turn $1^{\circ}06'$ to the West of the line of observation of Polaris, and mark the meridian thus established by centered points. Upon this meridian I make frequent tests of my solar transits and find they orient correctly while engaged on this township.

Nov. 15th, 1911. At 9 A.M., l.m.t., I set off $33^{\circ}43'$ on the lat. arc, and $18^{\circ}48\frac{1}{4}'$ S. on the decl. arc, and determine a meridian with the solar at the standard

Subdivision of T. 5 N., R. 21 W.

Chains

cor. of secs. 35 and 36, on the 1st Standard Parallel N.

Thence I run

N. 0° 01' W. bet. secs. 35 and 36.

Over bottom of wide arroyo.

35.00 Leave arroyo, course W. Thence over level sandy mesa.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 35 and 36, with brass cap stamped

1/4 S 35 in W. half
S 36 in E. half
1911 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.

44.90 Small wash, course S. 65° W.

50.25 Small wash, course S. 70° W.

57.45 Small wash, course S. 75° W.

80.00 Set an iron post for the cor. of secs. 25, 26, 35 and 36, with brass cap stamped

T 5 N S 25 in NE. quadrant
R 21 W S 36 in SE. quadrant
S 35 in SW. quadrant
S 26 in NW. quadrant
1911 in S.
1 notch on S. and 1 on E. edge

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.

Land, rolling and barren.
Soil, sandy, 3rd rate.
Scattering palo Verde brush along arroyo, 35.00 chs.

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

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

40.00 Set temp. 1/4 sec. cor.

79.96 Falls 5 lks. N. of the cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp.

Thence I run

N. 89° 58' W. on a true line bet. secs. 25 and 36.

Subdivision of T. 5 N., R. 21 W.

Chains

Over gently rolling mesa land.

39.98 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 25 and 36, with brass cap stamped

$\frac{1}{4}$ S 25 in N. half
S 36 1911 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.

79.96 The cor. of secs. 25, 26, 35 and 36.

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

From the cor. of secs. 25, 26, 35 and 36, I run N. 0° 01' W. bet. secs. 25 and 26.

Over rolling mesa land.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 25 and 26, with brass cap stamped

$\frac{1}{4}$ S 26 in W. half
S 25 in E. half
1911 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.

80.00 Set an iron post for the cor. of secs. 23, 24, 25 and 26, with brass cap stamped

T 5 N S 24 in NE. quadrant
R 21 W S 25 in SE. quadrant
S 26 in SW. quadrant
S 23 in NW. quadrant
1911 in S.

2 notches on S. and 1 notch 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, gently rolling and barren. Soil, sandy, 3rd rate.

From the cor. of secs. 23, 24, 25 and 26, I run S. 89° 58' E. on a random line bet. secs. 24 and 25.

Subdivision of T. 5 N. R. 21 W.

Chains.

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

79.94 Falls 16 lks. N. of the cor. of secs. 19, 24, 25 and 30,
on E. bdy. of Tp.

Thence I run

N. 89° 51' W. on a true line bet. secs. 24 and 25.

Over bottom of arroyo.

12.80 Leave arroyo, course N. 70° W.

Thence over level mesa land.

39.00 Wash, course N. 20° E.

39.97 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 1911 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.

79.94 The cor. of secs. 23, 24, 25 and 26.

Land, gently rolling and barren.
Soil, sandy, 3rd rate.
Scattering palo verde brush in arroyo, 12.80 chs.

From the cor. of secs. 23, 24, 25 and 26, I run
N. 0° 01' W. bet. secs. 23 and 24.

Over gently rolling mesa.

1.40 Wash, course N. 60° W.

5.00 Small wash, course N. 45° W.

24.55 Small wash, course W.

31.25 Small wash, course S. 70° W.

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

$\frac{1}{4}$ S 23 in W. half
S 24 in E. half
1911 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.

Subdivision of T. 5 N., R. 21 W.

Chains

- 41.15 Wash, course W.
- 45.35 Wash, course W.
- 47.90 Wash, course W.
- 53.00 Wash, course W.
- 58.25 Wash, course W.
- 69.70 Enter Tyson Arroyo, course W.
- 80.00 Set an iron post for the cor. of secs. 13, 14, 23 and 24,
with brass cap stamped

T 5 N S 13 in NE. quadrant
 R 21 W S 24 in SE. quadrant
 S 23 in SW. quadrant
 S 14 in NW. quadrant

1911 in S.
 3 notches on S. and 1 on E. edge, from which

- A Palo Verde 12 ins. dia. brs. N. 59° E., 2.80 chs. dist.
Mkd. T 5 N R 21 W S 13 B T.
- A Palo Verde 6 ins. dia. brs. S. 73° 15' E., 2.82 chs. dist.
Mkd. T 5 N R 21 W S 24 B T.
- A Palo Verde 10 ins. dia. brs. S. 26° 30' W., 2.50 chs. dist.
Mkd. T 5 N R 21 W S 23 B T.

No tree available in Sec. 14.

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.

Land, rolling and barren, 69.70 chs.; 10.30 chs. in Tyson
 Arroyo, - grazing.
 Soil, sandy and stony, 3rd rate.
 Scattering palo verde timber in arroyo, 10.30 chs.

 From the cor. of secs. 13, 14, 23 and 24, I run
 S. 89° 51' E. on a random line bet. secs. 13 and 24.

- 40.00 Set temp. 1/4 sec. cor.
- 79.88 Falls 10 lks. S. of the cor. of secs. 13, 18, 19 and 24,
on E. bdy. of Tp.

Thence I run
 N. 89° 55' W. on a true line bet. secs. 13 and 24.

Through scattering palo verde brush in arroyo.

- 39.94 Set an iron post for 1/4 sec. cor. bet. secs. 13 and 24,
with brass cap stamped

1/4 S 13 in N. half
 S 24 1911 in S. half, from which

Subdivision of T. 5 N., R. 21 W.

Chains.

A palo verde 12 ins. dia. brs. N. 80° 15' E., 114 lks. dist.
Mkd. 1/4 S 13 B T.

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.

79.88 The cor. of secs. 13, 14, 23 and 24.

Land, level, - grazing.
Soil, stony, 3rd rate.
Scattering palo verde, palo fierro and greasewood brush,
79.88 chs.

Nov. 15, 1911. At the cor. of secs. 13, 14, 23 and 24,
I set off 18° 20 1/4' S. on the decl. arc, and at 11h 44m
33s a.m., l.m.t., observe the sun on the meridian; the
resulting lat. is 33° 45 1/2', which is the proper lat.

Thence I run

N. 0° 01' W. bet. secs. 13 and 14.

Over level arroyo; through scattering brush and timber.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 13 and 14,
with brass cap stamped

1/4 S 14 in W. half
S 13 in E. half
1911 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.

50.00 Leave Tyson Arroyo. Ascend 50 foot bank, brs. E. and W.

57.85 Low ridge, brs. E. and W.

61.35 Left bank of arroyo, course S. 60° W. Thence through
arroyo.

79.18 Right bank of arroyo, brs. NE. and SW.

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

T 5 N S 12 in NE. quadrant
R 21 W S 13 in SE. quadrant
S 14 in SW. quadrant
S 11 in NW. quadrant
1911 in S.
4 notches on S. and 1 on E. edge

Subdivision of T. 5 N., R. 21 W.

Chains

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

Land, rolling and level, - grazing and barren. Soil, sandy and stony, 3rd rate. Scattering brush of palo verde, palo fierre and greasewood in Tyson Arroyo, 50.00 chs.

From the cor. of secs. 11, 12, 13 and 14, I run S. 89° 55' E. on a random line bet. secs. 12 and 13.

40.00 Set temp. 1/4 sec. cor.

80.00 Falls 26 lks. N. of the cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp.

Thence I run

N. 89° 44' W. on a true line bet. secs. 12 and 13.

Over broken, mountainous land.

2.35 Small draw, course N. 20° E.

9.45 Small draw, course N. 25° E.

23.60 Small draw, course N.

26.30 Small draw, course N. 25° E.

34.50 High ridge, brs. N. and S. Thence descend broken W. slope.

40.00 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 1911 in S. half

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

43.55 Small draw, course S. 30° W.

51.00 Small draw, course S. 65° W.

69.50 Enter arroyo, course S.

79.50 Leave arroyo, course S.

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

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

From the cor. of secs. 11, 12, 13 and 14, I run

N. 0° 01' W. bet. secs. 11 and 12.

Subdivision of T. 5 N., R. 21 W.

Chains	
	Ascending broken, mountainous slope.
5.20	Wash, course S. 40° E.
10.20	Wash, course W.
17.25	Low ridge, brs. E. and W.
21.75	Large wash, course W.
24.00	Wash, course W.
30.00	Spur, brs. E. and W.
38.00	Deep draw, course W.
40.00	Point for $\frac{1}{4}$ sec. cor. falls on steep cut bank.
40.65	Set an iron post for witness cor. to $\frac{1}{4}$ sec. cor. bet. secs. 11 and 12, with brass cap stamped $\frac{1}{4}$ S 11 in W. half S 12 in E. half 1911 in S., and W C in addition Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
50.60	Top of rocky spur, brs. NE. and SW.
57.40	Deep draw, course S. 60° W.
64.10	Top of rocky spur, brs. NE. and SW.
67.15	Deep draw, course S. 45° W.
80.00	Set an iron post for the cor. of secs. 1, 2, 11 and 12, with brass cap stamped T 5 N S 1 in NE. quadrant R 21 W S 12 in SE. quadrant S 11 in SW. quadrant S 2 in NW. quadrant 1911 in S. 5 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. Cor. falls on summit of rocky ridge, bearing NW. and SE. Land, mountainous, and barren. Soil, stony, 3rd rate. ----- From the cor. of secs. 1, 2, 11 and 12, I run S. 89° 44' E. on a random line bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	Falls 18 lks. S. of the cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp.

Subdivision of T. 5 N., R. 21 W.

Chains

Thence I run

N. 89° 52' W. on a true line bet. secs. 1 and 12.

Through arroyo.

19.50 Wash, course S. 15° E. Leave arroyo.

29.40 Draw, drains S. 15° E.

38.20 Large draw, drains S. 40° E.

40.07 Set an iron post for 1/4 sec. cor. bet. secs. 1 and 12,

with brass cap stamped

1/4 S 1 in N. half
S 12 1911 in S. half

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

46.50 Draw, drains S. 80° E. Thence broken ascent of NE. slope of ridge.

52.50 Draw, drains S.

63.25 Same draw, drains N. 80° E.

80.14 The cor. of secs. 1, 2, 11 and 12, on summit of ridge.

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

From the cor. of secs. 1, 2, 11 and 12, I run

N. 0° 01' W. on a random line bet. secs. 1 and 2.

40.00 Set temp. 1/4 sec. cor.

80.07 Falls 7 lks. W. of the cor. of secs. 1, 2, 35 and 36, on N. bdy. of Tp.

Thence I run

S. 0° 02' W. on a true line bet. secs. 1 and 2.

Over rolling land.

13.85 Wash, course N. 40° E.

19.50 Wash, course E.

26.00 Wash, course E.

39.70 Wash, course E.

40.07 Set an iron post for 1/4 sec. cor. bet. secs. 1 and 2,

with brass cap stamped

Subdivision of T. 5 N., R. 21 W.

Chains

1/4 S 2 in W. half
S 1 in E. half
1911 in S.

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

41.40 Wash, course E.

54.30 Wash, course N. 35° E. Thence steep ascent of NE. slope of ridge.

80.07 The cor. of secs. 1, 2, 11 and 12, on summit of ridge.

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

Nov. 15, 1911.

Nov. 16, 1911. At 9h 30m a.m., l.m.t., I set off 33°43'

on the lat. arc, 18° 34' S. on the decl. arc, and determine a meridian with the solar at the S.C. of secs. 34

and 35, on S. bdy. of Tp.
N. 0° 01' W. bet. secs. 34 and 35.
Over nearly level land.

5.00 Enter large arroyo, course W.

15.00 Leave large arroyo, course W.

Enter nearly level mesa land.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 34 and 35, with brass cap stamped

1/4 S 34 in W. half
S 35 in E. half
1911 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.

52.70 Wash, course W.

55.00 Small wash, course S. 65° W.

70.00 Small wash, course S. 75° W.

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

T 5 N S 26 in NE. quadrant
R 21 W S 35 in SE. quadrant
S 34 in SW. quadrant
S 27 in NW. quadrant
1911 in S.

1 notch on S. and 2 on E. edges

Subdivision of T. 5 N., R. 21 W.

Chains

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, level and rolling, - barren.
Soil, sandy, 3rd rate.

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.

79.98 Falls 5 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 rolling land.

14.75 Small wash, course N. 10° E.

36.20 Small wash, course N.

39.99 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 1911 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.

52.25 Wash, course N. 20° W.

55.20 Wash, course N. 10° W.

79.98 The cor. of secs. 26, 27, 34 and 35.

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

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

Over gently rolling land.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 26 and 27, with brass cap stamped

¼ S 27 in W. half
S 26 in E. half
1911 in S.

Dig pits 18x18x12 ins. N. and S. of cor., 3 ft. dist.,

Subdivision of T. 5 N., R. 21 W.

Chains

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

80.00 Set an iron post for the cor. of secs. 22, 23, 26 and 27, with brass cap stamped

T 5 N S 23 in NE. quadrant
R 21 W S 26 in SE. quadrant
S 27 in SW. quadrant
S 22 in NW. quadrant
1911 in S.
2 notches on S. and 2 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, sandy, 3rd rate.

From the cor. of secs. 22, 23, 26, and 27, I run N. $89^{\circ} 58'$ E. on a random line bet. secs. 23 and 26.

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

80.02 Falls 2 lks. S. of the cor. of secs. 23, 24, 25 and 26. Thence I run S. $89^{\circ} 57'$ W. on a true line bet. secs. 23 and 26. Over rolling land.

40.01 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 1911 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.

80.02 The cor. of secs. 22, 23, 26 and 27.

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

From the cor. of secs. 22, 23, 26 and 27, I run N. $0^{\circ} 01'$ W. bet. secs. 22 and 23.

Over gently rolling land.

12.10 Small wash, course W.

Subdivision of T. 5 N., R. 21 W.

Chains

- 15.50 Small wash, course N. 25° W.
- 19.95 Small wash, course S. 75° W.
- 25.65 Small wash, course N. 15° W.
- 29.00 Wash, course W.
- 34.35 Wash, course W.
- 40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23,
with brass cap stamped

$\frac{1}{4}$ S 22 in W. half
S 23 in E. half
1911 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.
- 42.50 Small wash, course N. 25° W.
- 45.75 Small wash, course S. 10° W.
- 50.50 Wash, course N. 15° W.
- 52.45 Wash, course W.
- 80.00 Set an iron post for the cor. of secs. 14, 15, 22 and 23,
with brass cap stamped

T 5 N S 14 in NE. quadrant
R 21 W S 23 in SE. quadrant
S 22 in SW. quadrant
S 15 in NW. quadrant
1911 in S.
3 notches on S. and 2 on R. 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, sandy, 3rd rate.

- From the cor. of secs. 14, 15, 22 and 23, I run
N. 89° 57' E. on a random line bet. secs. 14 and 23.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Falls 18 lks. S. of the cor. of secs. 13, 14, 23 and 24.
Thence I run
S. 89° 49' W. on a true line bet. secs. 14 and 23.

Subdivision of T. 5 N., R. 21 W.

Chains	Through scattering brush, in Tyson Arroyo.
11.60	Leave Tyson Arroyo, course N. 80° W.
22.00	Small wash, course N.
39.73	Triangulation Station "Tyson" of U. S. G. S, brs. N. 12° 04' E.
40.05	Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 14 and 23, with brass cap stamped
	$\frac{1}{4}$ S 14 in N. half S 23 1911 in S. half
	Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.10	The cor. of secs. 14, 15, 22 and 23.
	Land, rolling, grazing and barren. Soil, sandy, 3rd rate. Scattering palo verde and palo fierro in Tyson Arroyo, 11.60 chs.
	Nov. 16, 1911. At the cor. of secs. 14, 15, 22 and 23, I set off 18° 35 $\frac{1}{2}$ ' S. on the decl. arc, and at 11h 44m 42s a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 45 $\frac{1}{2}$ ', the proper lat.

	From the cor. of secs. 14, 15, 22 and 23, I run N. 0° 01' W. bet. secs. 14 and 15.
	Over nearly level land.
33.40	Enter Tyson Arroyo, course W.
40.00	Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 14 and 15, with brass cap stamped
	$\frac{1}{4}$ S 15 in W. half S 14 in E. half 1911 in S., from which
	A palo Verde 10 ins. dia. brs. S. 39° 12' W., 1.00 chs. dist. Mkd. $\frac{1}{4}$ S 15 B T. A palo verde 10 ins. dia. brs. S. 55° 20' E., 1.45 chs. dist. Mkd. $\frac{1}{4}$ S 14 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.
51.20	Leave Tyson Arroyo, course W. Thence steep ascent of ridge.

Subdivision of T. 5 N., R. 21 W.

Chains

53.40 Top of low ridge, brs. E. and W. Thence descend to nearly level mesa.

80.00 Set an iron post for the cor. of secs. 10, 11, 14 and 15, with brass cap stamped

T 5 N S 11 in NE. quadrant
R 21 W S 14 in SE. quadrant
S 15 in SW. quadrant
S 10 in NW. quadrant

1911 in S.
4 notches on S. and 2 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. Tyson triangulation station, brs. N. 41° 01' E. Land, rolling, barren and grazing. Soil, sandy, 3rd rate.

From the cor. of secs. 10, 11, 14 and 15, I run N. 89° 49' E. on a random line bet. secs. 11 and 14.

40.00 Set temp. 1/4 sec. cor.

80.00 Falls 5 lks. N. of the cor. of secs. 11, 12, 13 and 14.

Thence I run S. 89° 51' W. on a true line bet. secs. 11 and 14.

Over bad land bluffs, ascending.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 11 and 14, with brass cap stamped

1/4 S 11 in N. half
S 14 1911 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.

45.00 Leave bad lands, bearing N. and S. Thence over nearly level mesa.

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

Land, broken and barren. Soil, sandy and clay, 3rd rate.

From the cor. of secs. 10, 11, 14 and 15, I run N. 0° 01' W. bet. secs. 10 and 11.

Subdivision of T. 5 N., R. 21 W.

Chains

Over nearly level mesa.

5.35 Small wash, course W.

31.00 Begin ascent of Clay Bluff.

37.30 Top of ascent on Clay Ridge, brs. N. and W. Thence descend.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet, secs. 10 and 11,
with brass cap stamped

$\frac{1}{4}$ S 10 in W. half
S 11 in E. half
1911 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.

46.00 Enter level land, brs. NE. and SW.

48.90 Wash, course N. 55° W.

58.50 Wash, course S. 70° W.

61.40 Small wash, course W.

64.50 Wash, course W.

75.00 Wash, course W.

80.00 Set an iron post for the cor. of secs. 2, 3, 10 and 11,
with brass cap stamped

T 5 N S 2 in NE. quadrant
R 21 W S 11 in SE. quadrant
S 10 in SW. quadrant
S 3 in NW. quadrant
1911 in S.

5 notches on S. and 2 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 and grazing.
Soil, sandy, 3rd rate.

From the cor. of secs. 2, 3, 10 and 11, I run

N. 89° 51' E. on a random line bet. secs. 2 and 11.

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

80.02 Falls 40 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence I run

N. 89° 52' W. on a true line bet. secs. 2 and 11.

Subdivision of T. 5 N., R. 21 W.

Chains

Descending steep SW. slope of ridge.

40.01 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 2 and 11,
with brass cap stamped

$\frac{1}{4}$ S 2 in N. half
S 11 1911 in S. half

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

80.02 The cor. of secs. 2, 3, 10 and 11.

Land, mountainous and barren.
Soil, stony, 3rd rate. Evidence of mineral.

From the cor. of secs. 2, 3, 10 and 11, I run
N. 0° 01' W. on a random line bet. secs. 2 and 3.

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

79.90 Falls 24 lks. W. of the cor. of secs. 2, 3, 34 and 35,
on N. bdy. of Tp.

Thence I run
S. 0° 09' W. on a true line bet. secs. 2 and 3.
Over rolling land.

1.25 Top of spur, brs. E. and W.

8.00 Wash, course W.

12.60 Spur, brs. E. and W.

30.60 Wash, course N. 85° W.

39.90 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
1911 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.

44.75 Wash, course S. 15° W.

50.60 Wash, course S. 70° W.

79.90 The cor. of secs. 2, 3, 10 and 11.

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

Nov. 16, 1911.

Subdivision of T. 5 N., R. 21 W.

Chains

Nov. 17, 1911. At 8 a.m., l.m.t., I set off 33° 43' on the lat. arc, 18° 46½' S. on the decl. arc, and determine a meridian with the solar at the S.C. of secs. 33 and 34, on S. bdy. of Tp.

Thence I run

N. 0° 02' W. bet. secs. 33 and 34.

Over rolling land.

- 2.75 Enter arroyo, course W.
- 12.95 Leave arroyo, course W. (Scattering brush in arroyo).
- 25.20 Small wash, course S. 70° W.
- 28.70 Small wash, course S. 70° W.
- 33.80 Wash, course S. 80° W.
- 40.00 Set an iron post for ¼ sec. cor. bet. secs. 33 and 34, with brass cap stamped
 - ¼ S 33 in W. half
 - S 34 in E. half
 - 1911 in S.
- Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
- 53.10 Small wash, course W.
- 61.25 Small wash, course W.
- 65.65 Small wash, course W.
- 70.00 Small wash, course W.
- 74.10 Small wash, course W.

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

- T 5 N S 27 in NE. quadrant
- R 21 W S 34 in SE. quadrant
- S 33 in SW. quadrant
- S 28 in NW. quadrant
- 1911 in S.
- 1 notch on S. and 3 on E. edges

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 and barren.
Soil, sandy, 3rd rate.
Scattering brush in arroyo, 10.20 chs.

Subdivision of T. 5 N., R. 21 W.

Chains

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. 1/4 sec. cor.

79.96 Falls 12 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence I run

S. 89° 55' W. on a true line bet. secs. 27 and 34.

Over gently rolling land.

39.98 Set an iron post for 1/4 sec. cor. bet. secs. 27 and 34, with brass cap stamped

1/4 S 27 in N. half
S 34 1911 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.

79.96 The cor. of secs. 27, 28, 33 and 34.

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

From the cor. of secs. 27, 28, 33 and 34, I run

N. 0° 02' W. bet. secs. 27 and 28.

Over rolling land.

1.30 Small wash, course W.

39.45 Large wash, course W.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 27 and 28, with brass cap stamped

1/4 S 28 in W. half
S 27 in E. half
1911 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.

77.50 Small wash, course N. 45° W.

80.00 Set an iron post for the cor. of secs. 21, 22, 27 and 28, with brass cap stamped

T 5 N S 22 in NE. quadrant
R 21 W S 27 in SE. quadrant
S 28 in SW. quadrant
S 21 in NW. quadrant
1911 in S.
2 notches on S. and 3 on E. edge

Subdivision of T. 5 N., R. 21 W.

Chains

Dig pits 18x18x12 ins. in each sec. 8 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling, - barren.
Soil, sandy, 2nd rate.

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

40.00 Set temp. 1/4 sec. cor.

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

Thence I run West on a true line bet. secs. 22 and 27. Over nearly level mesa.

26.00 Small wash, course N. 25° W.

32.50 Small wash, course N.

37.40 Small wash, course N.

39.96 Set an iron post for 1/4 sec. cor. bet. secs. 22 and 27, with brass cap stamped

1/4 S 22 in N. half
S 27 1911 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.

44.10 Small wash, course N.

57.10 Small wash, course N.

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

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

Nov. 17, 1911. At the cor. of secs. 21, 22, 27 and 28, I set off 18° 50 1/2' S. on the decl. arc, and at 11h 44m 53s a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 44 1/2', the proper lat.

Subdivision of T. 5 N., R. 21 W.

Chains	
	From the cor. of secs. 21, 22, 27 and 28, I run
	N. 0° 02' W. bet. secs. 21 and 22.
	Over rolling land.
9.85	Small wash, course N. 30° W.
29.50	Enter small arroyo, course W.
38.30	Leave same arroyo.
40.00	Set an iron post for the $\frac{1}{4}$ 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.
	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.
41.30	Small wash, course S. 10° W.
45.00	Small wash, course S. 75° W.
55.00	Small wash, course N. 25° W.
63.50	Small wash, course N. 25° W.
71.60	Wash, course N. 25° W.
80.00	Set an iron post for the cor. of secs. 15, 16, 21 and 22, with brass cap stamped
	T 5 N S 15 in NE. quadrant R 21 W S 22 in SE. quadrant S 21 in SW. quadrant S 16 in NW. quadrant 1911 in S. 3 notches on S. and 3 on E. edges, from which
	A palo verde 8 ins. dia. brs. N. 33° 20' W., 199 lks. dist., Mkd. T 5 N R 21 W S 16 B T.
	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, 3rd rate.

	From the cor. of secs. 15, 16, 21 and 22, I run
	East on a random line bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of T. 5 N., R. 21 W.

Chains

79.94 Falls 10 lks. S. of the cor. of secs. 14, 15, 22 and 23.
 Thence I run
 S. 89° 56' W. on a true line bet. secs. 15 and 22.
 Over barren flat land.

31.63 Leave flat land, enter rolling land, brs. NW. and SE.

39.97 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 1911 in S. half

Dig pits 18x18x12 ins. N. 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.

41.54 Small draw, course N. 35° E.

50.84 Small draw, course N.

53.59 Small draw, course N.

65.79 Small draw, course N.

73.64 Small draw, course N. 25° W.

74.49 Small draw, course N. 15° E.

77.94 Small draw, course N. 20° W.

79.94 The cor. of secs. 15, 16, 21 and 22.
 Land, rolling, 48.31 chs.; flat, 31.63 chs.
 Soil, sandy, - barren, 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.

11.85 Small wash, course N. 30° W.

17.60 Enter Tyson Arroyo, course W. Enter scattering brush.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 15 and 16,
 (in Tyson Arroyo) with brass cap stamped

$\frac{1}{4}$ S 16 in W. half
 S 15 in E. half
 1911 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.

Subdivision of T. 5 N., R. 21 W.

Chains

80.00 Set an iron post for the cor. of secs. 9, 10, 15 and 16,
(in Tyson Arroyo) with brass cap stamped

T 5 N S 10 in NE. quadrant
R 21 W S 15 in SE. quadrant
S 16 in SW. quadrant
S 9 in NW. quadrant
1911 in S.
4 notches 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.

Triangulation Station "Tyson" brs. N. 60° 42' E.

Land, rolling, barren and grazing.
Soil, sandy, 3rd rate.
Scattering brush, 68.15 cha.

From the cor. of secs. 9, 10, 15 and 16, I run
N. 89° 56' E. on a random line bet. secs. 10 and 15.

40.00 Set temp. 1/4 sec. cor.

80.06 Falls 3 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Thence I run
S. 89° 57' W. on a true line bet. secs. 10 and 15.
Over rolling land.

15.06 Leave mesa. Begin ascent of clay ridge, brs. N. and S.

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

1/4 S 10 in N. half
S 15 1911 in S. half

Dig pits 18x18x12 ins. N. 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.

46.46 Top of ascent on clay ridge. Thence descend into Tyson
Arroyo.

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

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

Subdivision of T. 5 N., R. 21 W.

Chains	
	From the cor. of secs. 9, 10, 15 and 16, I run N. 0° 02' W. on a true line bet. secs. 9 and 10. Over level, brushy land.
25.00	Small wash, course W.
40.00	Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10, with brass cap stamped $\frac{1}{4}$ S 9 in W. half S 10 in E. half 1911 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.
51.85	Khrenburg-Parker Road, brs. NE. and SW.
80.00	Set an iron post for the cor. of secs. 3, 4, 9 and 10, with brass cap stamped T 5 N S 3 in NE. quadrant R 21 W S 10 in SE. quadrant S 9 in SW. quadrant S 4 in NW. quadrant 1911 in S. half 5 notches on S. and 3 on N. 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, level, covered with scattering mesquite and alkali weed, - grazing. Soil, adobe, 2nd rate.

	From the cor. of secs. 3, 4, 9 and 10, I run N. 89° 57' E. on a random line bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Falls 10 lks. N. of the cor. of secs. 2, 3, 10 and 11. Thence I run N. 89° 59' W. on a true line bet. secs. 3 and 10. Over level land, through scattering brush.
40.00	Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 3 and 10, with brass cap stamped $\frac{1}{4}$ S 3 in N. half S 10 1911 in S. half

Subdivision of T. 5 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.

45.70 Small wash, course N. 45° W.

46.55 Small wash, course N. 40° W.

52.80 Parker-Ehrenburg road, brs. N. 20° E. and S. 20° W.

80.00 The cor. of secs. 3, 4, 9 and 10.

Land, level, - agricultural and grazing. Soil, sandy, 2nd rate. Scattering mesquite brush.

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

40.00 Set temp. 1/4 sec. cor.

79.84 Falls 26 lks. W. of the cor. of secs. 3, 4, 33 and 34, on N. bdy. of Tp.

Thence I run

S. 0° 09' W. on a true line bet. secs. 3 and 4.

Over nearly level bottom land, through scattering brush.

39.84 Set an iron post for 1/4 sec. cor. bet. secs. 3 and 4, with brass cap stamped

1/4 S 4 in W. half
S 3 in E. half
1911 in S., from which

A mesquite 12 ins. dia. brs. S. 30° E., 112 lks. dist. Mkd. 1/4 S 3 B T.

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.

79.84 The cor. of secs. 3, 4, 9 and 10.

Land, nearly level bottom, - grazing and agricultural. Soil, sandy and adobe, 1st rate. Timber, scattering mesquite. Brush, scattering chapparel, alkali weed and arrow weed.

Subdivision of T. 5 N., R. 21 W.

Chains.

Nov. 20, 1911. At 8 a.m., l.m.t., I set off 33° 43' on the lat. arc, 19° 29½' S. on the decl. arc, and determine a meridian with the solar at the S.C. of secs. 32 and 33, on S. bdy. of Tp.

Thence I run

N. 0° 02' W. bet. secs. 32 and 33.

Beginning ascent of low ridge.

11.00 Low ridge, hrs. E. and W. Thence over level bottom.

38.30 Small 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
1911 in S.

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

80.00 Set an iron post for the cor. of secs. 28, 29, 32 and 33, with brass cap stamped

T 5 N S 28 in NE. quadrant
R 21 W S 33 in SE. quadrant
S 32 in SW. quadrant
S 29 in NW. quadrant
1911 in S.
1 notch 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 and level, - agricultural and barren. Soil, adobe, 1st rate. Brush of arrow weed, catsclaw and alkali weed.

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. ¼ sec. cor.

79.88 Falls 3 lks. S. of the cor. of secs. 27, 28, 33 and 34.

Thence I run

S. 89° 59' W. on a true line bet. secs. 28 and 33.

Subdivision of T. 5 N., R. 21 W.

Chains

Over rolling land.

39.94 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 1911 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.

65.20 Small wash, course S.

69.90 Leave rolling land, enter flat land, brs. N. and S.

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

Land, rolling, 69.90 chs. - barren; level, 10.00 chs. -
agricultural.
Soil, adobe, 1st rate.

From the cor. of secs. 28, 29, 32 and 33, I run
N. $0^{\circ} 02'$ W. bet. secs. 28 and 29.

Over level land, through scattering brush.

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
1911 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.

58.44 Old adobe house, brs. N. $10^{\circ} 05'$ W.

80.00 Set an iron post for the cor. of secs. 20, 21, 28 and 29,
with brass cap stamped

T 5 N S 21 in NE. quadrant
R 21 W S 28 in SE. quadrant
S 29 in SW. quadrant
S 20 in NW. quadrant
1911 in S.

2 notches on S. and 4 notches 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, level, - agricultural.
Soil, adobe, 1st rate.
Scattering arrow weed, sage and alkali weed.

Subdivision of T. 5 N., R. 21 W.

Chains

From the cor. of secs. 20, 21, 28 and 29, I run
N. 89° 59' E. on a random line bet. secs. 21 and 28.

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

79.74 Falls 10 lks. N. of the cor. of secs. 21, 22, 27 and 28.

Thence I run

N. 89° 57' W. on a true line bet. secs. 21 and 28.

Over rolling land.

1.60 Small wash, course N.

2.80 Small wash, course N. 10° E.

39.87 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 21 and 28,
with brass cap stamped

$\frac{1}{4}$ S 21 in N. half
S 28 1911 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.

72.00 Leave rolling land; enter level land covered with scatter-
ing brush, brs. N. and S.

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

Land, rolling, 72.00 chs., - barren; level, 7.74 chs., -
agricultural.

Soil, adobe, 1st rate.
Scattering brush, 7.74 chs.

November 20, 1911. At the cor. of secs. 20, 21, 28 and
29, I set off 19° 33 $\frac{1}{2}$ ' S. on the decl. arc, and at 11h
45m 31' a.m., l.m.t., observe the sun on the meridian;
the resulting lat. is 33° 44 $\frac{1}{2}$ ', the proper lat.

From the cor. of secs. 20, 21, 28 and 29, I run
N. 0° 02' W. bet. secs. 20 and 21.

Over level land.

.40 Old adobe house, brs. N. 45° 06' W.

2.55 Parker-Khrenburg road, brs. N. 10° E. and S. 10° W.

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

Subdivision of T. 5 N., R. 21 W.

Chains

$\frac{1}{4}$ S 20 in W. half
 S 21 in E. half
 1911 in S., from which

A mesquite 6 ins. dia. brs. N. 48° 45' E., 185 lks. dist.
 Mkd. $\frac{1}{4}$ S 21 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.

60.17 Secondary road, brs. N. 35° W. and S. 35° E.

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

T 5 N S 16 in NE. quadrant
 R 21 W S 21 in SE. quadrant
 S 20 in SW. quadrant
 S 17 in NW. quadrant

1911 in S.
 3 notches on S. and 4 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, level, - grazing and agricultural.
 Soil, adobe, 1st rate.
 Scattering sage and alkali weed.

From the cor. of secs. 16, 17, 20 and 21, I run
 S. 89° 57' E. on a random line bet. secs. 16 and 21.

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

79.76 Falls 8 lks. S. of cor. of secs. 15, 16, 21 and 22.

Thence I run

West on a true line bet. secs. 16 and 21.

Over broken clay hills.

1.30 Small wash, course N. 5° W.

7.30 Small wash, course N.

19.55 Small wash, course N.

22.75 Small wash, course N.

35.46 Leave clay hills, enter flat, brs. N. and S.

36.40 Small wash, course N.

39.75 Small wash, course N.

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

Subdivision of T. 5 N., R. 21 W.

Chains.

with brass cap stamped

1/4 S 16 in N. half
S 21 1911 in S. half, from which

A palo verde 6 ins. dia. brs. N. 15° 45' E., 136 lks. dist.
Mkd. 1/4 S 16 B T.

A mesquite 8 ins. dia. brs. S. 35° 32' W., 52 lks. dist.
Mkd. 1/4 S 21 B T.

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.

69.30 Small wash, course N. 15° E.

69.60 Parker-Khrenburg road, brs. S. and N. 20° E.

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

Land, hilly and barren, 35.46 chs.; level and grazing land,
44.30 chs.
Soil, sandy, 3rd rate, and adobe, 1st rate.
Scattering mesquite and arrow weed.

From the cor. of secs. 16, 17, 20 and 21, I run
N. 0° 02' W. bet. secs. 16 and 17.

Over nearly level land, through scattering brush.

40.00 Set an iron post for 1/4 sec. cor. bet. secs. 16 and 17,
with brass cap stamped

1/4 S 17 in W. half
S 16 in E. half
1911 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.

80.00 Set an iron post for the cor. of secs. 8, 9, 16 and 17,
with brass cap stamped

T 5 N S 9 in NE. quadrant
R 21 W S 16 in SE. quadrant
S 17 in SW. quadrant
S 8 in NW. quadrant
1911 in S.
4 notches on S. and 4 on E. edge.

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.

Land, level, - agricultural and grazing.
Soil, adobe, 1st rate.
Scattering mesquite and arrow weed.

Subdivision of T. 5 N., R. 21 W.

Chains	<p>From the cor. of secs. 8, 9, 16 and 17, I run East on a random line bet. secs. 9 and 16.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>79.76 Falls 7 lks. N. of cor. of secs. 9, 10, 15 and 16. Thence I run N. 89° 57' W. on a true line bet. secs. 9 and 16. Over nearly level land, through scattering brush.</p> <p>4.45 Small wash, course N.</p> <p>20.45 Small wash, course N. 40° W.</p> <p>31.65 Parker-Ehrenburg road, brs. N. 30° E. and S. 30° W.</p> <p>39.88 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 9 and 16, with brass cap stamped</p> <p style="text-align: center;">$\frac{1}{4}$ S 9 in N. half S 16 1911 in S. half</p> <p>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.</p> <p>79.76 The cor. of secs. 8, 9, 16 and 17. Land, level, - grazing. Soil, adobe, 1st rate. Scattering alkali weed and mesquite.</p> <p>-----</p> <p>From the cor. of secs. 8, 9, 16 and 17, I run N. 0° 02' W. bet. secs. 8 and 9. Over nearly level land, through brush.</p> <p>40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9, with brass cap stamped</p> <p style="text-align: center;">$\frac{1}{4}$ S 8 in W. half S 9 in E. half 1911 in S.</p> <p>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.</p> <p>80.00 Set an iron post for the cor. of secs. 4, 5, 8 and 9, with brass cap stamped</p>
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Subdivision of T. 5 N., R. 21 W.

Chains

T 5 N S 4 in NE. quadrant
R 21 W S 9 in SE. quadrant
S 8 in SW. quadrant
S 5 in NW. quadrant

1911 in S.
5 notches on S. and 4 on E. edge,

from which

- A mesquite 8 ins. dia. brs. S. 4° 15' W., 77 lks. dist.
Mkd. T 5 N R 21 W S 8 B T.
- A mesquite 12 ins. dia. brs. N. 79° 30' W., 121 lks. dist.
Mkd. T 5 N R 21 W S 5 B T.
- A mesquite 6 ins. dia. brs. S. 87° E., 177 lks. dist.
Mkd. T 5 N R 21 W S 9 B T.
- A mesquite 6 ins. dia. brs. N. 51° E., 170 lks. dist.
Mkd. T 5 N R 21 W S 4 B T.

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.

Land, level, - agricultural and grazing.
Soil, adobe, 1st rate.
Brush of mesquite and arrow weed.

From the cor. of secs. 4, 5, 8 and 9, I run
S. 89° 57' E. on a random line bet. secs. 4 and 9.

40.00 Set temp. 1/4 sec. cor.

79.76 Falls 7 lks. S. of the cor. of secs. 3, 4, 9 and 10,

Thence I run

West on a true line bet. secs. 4 and 9.

Over nearly level bottom land, through scattering brush.

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

1/4 S 4 in N. half
S 9 1911 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.

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

Land, nearly level bottom, agricultural and grazing.
Soil, sandy and adobe, 1st rate.
Timber, scattering mesquite.
Brush, scattering chaparral and alkali weed.

Subdivision of T. 5 N., R. 21 W.

Chains

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

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

79.82 Intersect the cor. of secs. 4, 5, 32 and 33, on N. bdy.
of Tp.

Thence I run

S. 0° 02' N. on a true line bet. secs. 4 and 5.

Over nearly level bottom land, through scattering brush.

39.82 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
1911 in S., from which

A mesquite 12 ins. dia. brs. S. 59° E., 65 lks. dist.
Mkd. $\frac{1}{4}$ S 4 B T.

A mesquite 12 ins. dia. brs. S. 54 $\frac{1}{2}$ ° E., 44 lks. dist.
Mkd. $\frac{1}{4}$ S 5 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.

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

Land, nearly level bottom, - agricultural and grazing.
Soil, adobe, 1st rate.

Timber, scattering mesquite. Thick brush of chaparral,
alkali weed and arrow weed.

Nov. 21, 1911. At 8 a.m., l.m.t., I set off 33° 43' on
the lat. arc, 19° 43 $\frac{1}{2}$ ' S. on the decl. arc, and deter-
mine a meridian with the solar, at the S.C. of secs. 31
and 32.

Thence I run

N. 0° 03' W. bet. secs. 31 and 32.

Over level, brushy land.

5.00 Wire fence, brs. N. 48° W. and S. 48° E.

18.00 Slough, 1 ch. wide, brs. N. 20° E. and S. 20° W.
Enter overflow land.

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

Subdivision of T. 5 N., R. 21 W.

Chains

1/4 S 31 in W. half
S 32 in E. half
1911 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.

- 72.00 Slough, 25 lks. wide, brs. N. 35° W. and S. 35° E.
- 76.90 Corral and shed, 30x75 ft.
- 77.50 Fence, brs. N. 30° W. and S. 30° E.
- 80.00 Set an iron post for the cor. of secs. 29, 30, 31 and 32,
with brass cap stamped

T 5 N S 29 in NE. quadrant
R 21 W S 32 in SE. quadrant
S 31 in SW. quadrant
S 30 in NW. quadrant

1911 in S.
1 notch on S. and 5 notches on E. edge,

from which

A mesquite 10 ins. dia. brs. N. 49° 30' W., 90 lks. dist.
Mkd. T 5 N R 21 W S 30 B T.
A mesquite 6 ins. dia. brs. S. 34° 15' E., 105 lks. dist.
Mkd. T 5 N R 21 W S 32 B T.

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.

Land, level, - agricultural and grazing.
Soil, adobe, 1st rate.
Scattering mesquite and dense arrow weed.

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. 1/4 sec. cor.
- 80.00 Intersect the cor. of secs. 28, 29, 32 and 33.
Thence I run
West on a true line bet. secs. 29 and 32.
Over level land, through scattering mesquite.
- 15.60 Parker-Ehrenburg road, brs. N. and S.
- 40.00 Set an iron post for 1/4 sec. cor. bet. secs. 29 and 32,
with brass cap stamped

Subdivision of T. 5 N., R. 21 W.

Chains

1/4 S 29 in N. half
S 32 1911 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.

48.85 Wire fence, corner, brs. N., 30 lks. dist.

Fences bear S. 15° W. and N. 85° W.

50.00 Enter dry slough, brs. N. 10° E. and S. 10° W.

67.50 Leave dry slough, brs. N. 10° E. and S. 10° W.

69.00 Wire fence, brs. N. and S.

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

Land, level, - agricultural and grazing.
Soil, adobe, 1st rate,
Scattered mesquite and dense arrow weed brush.

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.

79.74 Falls 18 lks. S. of the cor. of secs. 25, 30, 31 and 36,
on W. bdy. of Tp.

Thence I run

S. 89° 52' E. on a true line bet. secs. 30 and 31.

Over nearly level land, through scattering mesquite and
dense arrow weed.

19.00 Slough, 1 ch. wide, brs. N. and S.

34.25 Enter thick mesquite, brs. N. and S.

39.74 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 1911 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.

59.75 Slough, 50 lks. wide, brs. N. and S.

75.50 Slough, 1 ch. wide, brs. N. and S. Leave thick mesquite
and arrow weed; enter scattering mesquite and arrow weed.

Subdivision of T. 5 N., R. 21 W.

Chains																			
76.75	Small strip of willows and small cottonwoods (about 1 ch. wide) brs. N. and S.																		
77.75	Old Indian hut, brs. N., 50 lks. dist.																		
79.74	The cor. of secs. 29, 30, 31 and 32.																		
Land, nearly level, agricultural and grazing. Soil, adobe, 1st rate. Scattering mesquite and arrow weed.																			
Nov. 21, 1911. At this cor., I set off 19° 47½' S. on the decl. arc, and at 11h 45m 45s a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 44', the proper lat.																			

From the cor. of secs. 29, 30, 31 and 32, I run N. 0° 03' W. bet. secs. 29 and 30.																			
Over nearly level land, through dense mesquite and arrow weed.																			
21.00	Old road, brs. N. 35° W. and S. 35° E.																		
40.00	Set an iron post for ¼ sec. cor. bet. secs. 29 and 30, with brass cap stamped																		
<table style="margin-left: auto; margin-right: auto;"> <tr><td>¼ S 30</td><td>in W. half</td></tr> <tr><td> S 29</td><td>in E. half</td></tr> <tr><td> 1911</td><td>in S.,</td></tr> <tr><td></td><td>from which</td></tr> </table>		¼ S 30	in W. half	S 29	in E. half	1911	in S.,		from which										
¼ S 30	in W. half																		
S 29	in E. half																		
1911	in S.,																		
	from which																		
A mesquite 6 ins. dia. brs. S. 52° 15' W., 6 lks. dist. Mkd. ¼ S 30 B T.																			
A mesquite 10 ins. dia. brs. N. 80° 15' E., 92 lks. dist. Mkd. ¼ S 29 B T.																			
Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.																			
80.00	Set an iron post for the cor. of secs. 19, 20, 29 and 30, with brass cap stamped																		
<table style="margin-left: auto; margin-right: auto;"> <tr><td>T 5 N</td><td>S 20</td><td>in NE. quadrant</td></tr> <tr><td>R 21 W</td><td>S 29</td><td>in SE. quadrant</td></tr> <tr><td></td><td>S 30</td><td>in SW. quadrant</td></tr> <tr><td></td><td>S 19</td><td>in NW. quadrant</td></tr> <tr><td>1911</td><td></td><td>in S.</td></tr> <tr><td></td><td></td><td>2 notches on S. and 5 on E. edges,</td></tr> </table>		T 5 N	S 20	in NE. quadrant	R 21 W	S 29	in SE. quadrant		S 30	in SW. quadrant		S 19	in NW. quadrant	1911		in S.			2 notches on S. and 5 on E. edges,
T 5 N	S 20	in NE. quadrant																	
R 21 W	S 29	in SE. quadrant																	
	S 30	in SW. quadrant																	
	S 19	in NW. quadrant																	
1911		in S.																	
		2 notches on S. and 5 on E. edges,																	
from which																			
A mesquite 12 ins. dia. brs. S. 9° 30' E., 242 lks. dist. Mkd. T 5 N R 21 W S 29 B T.																			
A mesquite 10 ins. dia. brs. S. 0° 15' W., 185 lks. dist. Mkd. T 5 N R 21 W S 30 B T.																			

Subdivision of T. 5 N., R. 21 W.

Chains

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

Land, level, - agricultural.
Soil, adobe, 1st rate.
Thick growth of arrow weed and mesquite.

From the cor. of secs. 19, 20, 29 and 30, I run East on a random line bet. secs. 20 and 29.

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

80.26 Intersect the cor. of secs. 20, 21, 28 and 29.

Thence I run

West on a true line bet. secs. 20 and 29.

Over level land, through scattering brush.

1.25 Parker-Ehrenburg road, brs. N. 10° E. and S. 10° W.

6.26 Old adobe building, 5 chs. N. of line.

Enter thick mesquite, brs. N. and S.

9.25 Leave thick mesquite, enter scattering mesquite, and arrow weed, brs. N. and S.

40.13 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 1911 in S. half

Dig pits 18x18x12 ins. N. 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.

58.25 Leave scattering mesquite and arrow weed, enter thick arrow weed, brs. NW. and SE.

65.25 Leave thick arrow weed, enter scattering arrow weed and mesquite, brs. N. and S.

80.26 The cor. of secs. 19, 20, 29 and 30.

Land, level, - agricultural and grazing, 70.26 chs.
Soil, adobe, 1st rate.
Scattering mesquite and arrow weed, 7.00 chs.; thick mesquite, 3.00 chs.

Subdivision of T. 5 N., R. 21 W.

Chains

From the cor. of secs. 19, 20, 29 and 30, I run
N. 89° 52' W. on a random line bet. secs. 19 and 30.

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

79.66 Falls 3 lks. N. of the cor. of secs. 19, 24, 25 and 30,
on W. bdy. of Tp.

Thence I run

S. 89° 53' E. on a true line bet. secs. 19 and 30.

Over level brushy land.

20.00 Leave overflow land, brs. N. and S.

39.66 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 19 and 30,
with brass cap stamped

$\frac{1}{4}$ S 19 in N. half
S 30 1911 in S. half

Dig pits 18x18x12 ins. N. 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.

79.66 The cor. of secs. 19, 20, 29 and 30.

Land, level, - agricultural.
Soil, adobe, 1st rate.
Scattering mesquite and arrow weed.

Nov. 22, 1911. At 8 a.m., l.m.t., I set off 33° 44 $\frac{1}{2}$ ' on
the lat. arc, 19° 56 $\frac{1}{2}$ ' S. on the decl. arc, and deter-
mine a meridian with the solar at the cor. of secs. 19,
20, 29 and 30.

Thence I run

N. 0° 03' W. bet. secs. 19 and 20.

Over level land, through dense mesquite and arrow weed.

13.00 Small dry slough, brs. N. 45° W. and S. 45° E.

40.00 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20,
with brass cap stamped

$\frac{1}{4}$ S 19 in W. half
S 20 in E. half
1911 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.

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

Subdivision of T. 5 N., R. 21 W.

Chains	<p>with brass cap stamped</p> <p style="margin-left: 40px;">T 5 N S 17 in NE. quadrant R 21 W S 20 in SE. quadrant S 19 in SW. quadrant S 18 in NW. quadrant</p> <p style="margin-left: 40px;">1911 in S. 3 notches on S. and 5 on N. edges, from which</p> <p>A mesquite 8 ins. dia. brs. N. 31° W., 47 lks. dist. Mkd. T 5 N R 21 W S 18 B T.</p> <p>A mesquite 12 ins. dia. brs. S. 53°30' E., 32 lks. dist. Mkd. T 5 N R 21 W S 20 B T.</p> <p>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.</p> <p>Land, level, - agricultural. Soil, adobe, 1st rate. Thick mesquite and scattering arrow weed.</p> <hr style="border-top: 1px dashed black;"/> <p>From the cor. of secs. 17, 18, 19 and 20, I run East on a random line bet. secs. 17 and 20,</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>80.26 Intersect the cor. of secs. 16, 17, 20 and 21.</p> <p>Thence I run West on a true line bet. secs. 17 and 20. Over level land, through scattering mesquite and arrow weed.</p> <p>16.25 Old road, brs. N. 35° W. and S. 35° E.</p> <p>40.13 Set an iron post for ¼ sec. cor. bet. secs. 17 and 20, with brass cap stamped</p> <p style="margin-left: 40px;">¼ S 17 in N. half S 20 1911 in S. half</p> <p>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.</p> <p>42.25 Leave scattering mesquite and arrow weed; enter thick mesquite, brs. N. and S.</p> <p>53.50 Dry slough, brs. N. 35° W. and S. 35° E.</p> <p>80.26 The cor. of secs. 17, 18, 19 and 20.</p> <p>Land, level, - agricultural, Soil, adobe, 1st rate. Scattering mesquite, and arrow weed, 42.25 chs.; thick mesquite, 38.01 chs.</p>
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Subdivision of T. 5 N., R. 21 W.

Chains	
	From the cor. of secs. 17, 18, 19 and 20, I run N. 89° 53' W. on a random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.45	Falls 30 lks. N. of the cor. of secs. 13, 18, 19 and 24, on W. bdy. of Tp.
	Thence I run N. 89° 54' E. on a true line bet. secs. 18 and 19. Over low bottom land, through scattering brush.
15.30	West bank of slough, brs. N. and S.
18.40	East bank of slough, brs. N. and S.
34.80	West bank of slough, brs. N. and S.
39.45	True point for $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19 falls in deep slough.
43.00	East bank of slough, brs. N. and S. Ascend steep 15 foot bank.
43.30	Set an iron post for W.C. to the $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19, with brass cap stamped $\frac{1}{4}$ S 18 in N. half () S 19 1911 in S. half,) from which and W C in addition ()
	A willow 12 ins. dia. brs. N. 72° W., 48 lks. dist. Mkd. $\frac{1}{4}$ S 18 B T.
	A willow 8 ins. dia. brs. S. 83 $\frac{1}{2}$ ° W., 189 lks. dist. Mkd. $\frac{1}{4}$ S 19 B T.
	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.
	Enter thick arrow weed, brs. N. and S.
79.45	The cor. of secs. 17, 18, 19 and 20. Land, nearly level, - agricultural and grazing. Soil, adobe and alkali, 2nd rate. Scattering mesquite and dense arrow weed brush.

	Nov. 22, 1911. At the cor. of secs. 17, 18, 19 and 20, I set off 20° 00 $\frac{1}{2}$ ' S. on the decl. arc, and at 11h 46m a.m., l.m.t., observe the sun on the meridian; the re- sulting lat. is 33° 45 $\frac{1}{2}$ ', the proper lat.

Subdivision of T. 5 N., R. 21 W.

Chains

From the cor. of secs. 17, 18, 19 and 20, I run
 N. 0° 03' W. bet. secs. 17 and 18.
 Through mesquite and arrow weed brush.

38.00 Slough, brs. N. 75° E. and S. 75° W.

40.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 17 and 18,
 with brass cap stamped

$\frac{1}{4}$ S 18 in W. half
 S 17 in E. half
 1911 in S., from which

A mesquite 14 ins. dia. brs. N. 8° 30' E., 81 lks. dist.
 Mkd. $\frac{1}{4}$ S 17 B T.
 A mesquite 14 ins. dia. brs. S. 2° 45' W., 165 lks. dist.
 Mkd. $\frac{1}{4}$ S 18 B T.

56.88 A survey stake, marked 191+00, brs. N. 81° 18' W., 66 lks.
 dist.

Line of survey brs. N. 17° 55' E., and S. 17° 55' W.

75.00 Road, brs. N. 30° W. and S. 30° E.

80.00 Set an iron post for the cor. of secs. 7, 8, 17 and 18,
 with brass cap stamped

T 5 N S 8 in NE. quadrant
 R 21 W S 17 in SE. quadrant
 S 18 in SW. quadrant
 S 7 in NW. quadrant
 1911 in S.
 4 notches on S. and 5 on E. edge.

from which

A mesquite 10 ins. dia. brs. S. 47° 30' W., 77 lks. dist.
 Mkd. T 5 N R 21 W S 18 B T.
 A mesquite 15 ins. dia. brs. S. 11° 15' E., 125 lks. dist.
 Mkd. T 5 N R 21 W S 17 B T.

Land, level, - agricultural and grazing.
 Soil, adobe, 1st rate.
 Thick brush of mesquite, arrow weed, quail, and alkali
 weed.

From the cor. of secs. 7, 8, 17 and 18, I run
 East on a random line bet. secs. 8 and 17.

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

80.26 Falls 3 lks. S. of the cor. of secs. 8, 9, 16 and 17,
 Thence I run
 S. 89° 59' W. on a true line bet. secs. 8 and 17.
 Over level land, through thick mesquite and arrow weed.

40.13 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 8 and 17,

Subdivision of T. 5 N., R. 21 W.

Chains

with brass cap stamped

1/4 S 8 in N. half
1911 S 17 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.

- 74.00 Dry slough, brs. N. and S.
- 80.26 The cor. of secs. 7, 8, 17 and 18.

Land, level, - agricultural.
Soil, adobe, 1st rate.
Thick brush of mesquite and arrow weed.

From the cor. of secs. 7, 8, 17 and 18, I run
S. 89° 54' W., on a random line bet. secs. 7 and 18.

- 40.00 Set temp. 1/4 sec. cor.
- 79.12 Falls 2 lks. N. of the cor. of secs. 7, 12, 13 and 18, on
W. bdy. of Tp.

Thence I run
N. 89° 53' E. on a true line bet. secs. 7 and 18.
Over level land, through thick arrow weed and mesquite.

- 25.10 Leave thick arrow weed and mesquite, enter scattering
arrow weed and mesquite, brs. N. and S.

- 39.12 Set an iron post for 1/4 sec. cor. bet. secs. 7 and 18,
with brass cap stamped

1/4 S 7 in N. half
S 18 1911 in S. half, from which

A mesquite 10 ins. dia. brs. N. 79° 15' E., 29 lks. dist.
Mkd. 1/4 S 7 B T.
A mesquite 8 ins. dia. brs. S. 57° 30' W., 67 lks. dist.
Mkd. 1/4 S 18 B T.

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.

- 52.10 Slough, 30 lks. wide, brs. N. and S. Thin strip of willows
along edge of slough.
- 58.50 Slough, 4 chs. wide, brs. N. and S.; mud and water, waist
deep.
- 59.60 Adobe hut, brs. N., 1 ch. dist.
- 62.00 Road, brs. N. and S.
- 71.10 Cerral, 60 x 60 ft.

Subdivision of T. 5 N., R. 21 W.

Chains

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

Land, level, - agricultural and grazing.

Soil, adobe, 1st rate.

Dense brush of arrow weed and mesquite, 25.10 chs.; less dense mesquite, 54.02 chs.

Nov. 23, 1911. At 8 a.m., l.m.t., I set off $33^{\circ} 46\frac{1}{2}'$ on the lat. arc, $20^{\circ} 09\frac{1}{2}'$ S., on the decl. arc, and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18.

Thence I run

N. $0^{\circ} 03'$ W. bet. secs. 7 and 8.

Over level land, through scattering arrow weed and mesquite.

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

$\frac{1}{4}$ S 7 in W. half
S 8 in E. half
1911 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.

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

T 5 N S 5 in NE. quadrant
R 21 W S 8 in SE. quadrant
S 7 in SW. quadrant
S 6 in NW. quadrant
1911 in S.

5 notches on S. and E. edges, from which

A mesquite 9 ins. dia. brs. N. $68^{\circ} 45'$ E., 222 lks. dist.

Mkd. T 5 N R 21 W S 5 B T.

A mesquite 5 ins. dia. brs. N. 18° W., 109 lks. dist.

Mkd. T 5 N R 21 W S 6 B T.

A mesquite 12 ins. dia. brs. S. $82^{\circ} 15'$ W., 42 lks. dist.

Mkd. T 5 N R 21 W S 7 B T.

Land, level, - agricultural.

Soil, adobe, 1st rate.

Scattering mesquite and arrow weed.

From the cor. of secs. 5, 6, 7 and 8, I run

N. $89^{\circ} 59'$ E. on a random line bet. secs. 5 and 8.

Subdivision of T. 5 N., R. 21 W.,

Chains

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

80.26 Falls 3 lks. S. of the cor. of secs. 4, 5, 8 and 9.

Thence I run
S. 89° 58' W. on a true line bet. secs. 5 and 8.
Over level land, through scattering mesquite and arrow
weed.

40.13 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8, with
brass cap stamped

$\frac{1}{4}$ S 5 in N. half
S 8 1911 in S. half, from which

A mesquite 12 ins. dia. brs. N. 40° 15' W., 117 lks. dist.
Mkd. $\frac{1}{4}$ S 5 B T.
A mesquite 15 ins. dia. brs. S. 80° E., 35 lks. dist.
Mkd. $\frac{1}{4}$ S 8 B T.

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.

54.25 Dry slough, 25 lks. wide, brs. N. and S.

74.25 Dry slough, 50 lks. wide, brs. N. and S.

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

Land, level, - agricultural.
Soil, adobe, 1st rate.
Scattering mesquite.

From the cor. of secs. 5, 6, 7 and 8, I run
S. 89° 53' W. on a random line bet. secs. 6 and 7.

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

79.00 Falls 30 lks. S. of the cor. of secs. 1, 6, 7 and 12, on
W. bdy. of Tp.

Thence I run
S. 89° 54' W. on a true line bet. secs. 6 and 7.
Over level land, through mesquite and arrow weed.

16.50 Slough, 1 ch. wide, brs. N. and S. Mud and water 8 ins.
deep.

22.25 Slough, brs. N. 30° E. and S. 30° W.

39.00 Set an iron post for $\frac{1}{4}$ sec. cor. bet. secs. 6 and 7,

Subdivision of T. 5 N., R. 21 W.

Chains

with brass cap stamped

1/4 S 6 in N. half
S 7 1911 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.

- 46.40 Slough, 350 lks. wide., brs. N. and S.
- 62.00 Small slough, brs. N. 25° W. and S. 35° E.
- 67.50 Road, brs. N. 25° W. and S. 25° E.
- 79.00 The cor. of secs. 5, 6, 7 and 8.

Land, level, - agricultural and grazing.
Soil, adobe, 1st rate.
Scattering mesquite, arrow weed, and quail brush.

Nov. 23, 1911. At the cor. of secs. 5, 6, 7 and 8, I set
off 20° 13 1/2' S., on the decl. arc, and at 11h 46m 45s
a.m., l.m.t., observe the sun on the meridian; the re-
sulting lat. is 33° 47', the proper lat.

N. 0° 03' W. on a random line bet. secs. 5 and 6.

- 40.00 Set temp. 1/4 sec. cor.
- 80.17 Falls 35 lks. W. of the cor. of secs. 5, 6, 31 and 32, on
N. bdy. of Tp.

Thence I run
S. 0° 12' W. on a true line bet. secs. 5 and 6.
Over nearly level land, through scattering mesquite and
arrow weed.

- 11.80 Wash, course E.
- 40.17 Set an iron post for the 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
1911 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.

Subdivision of T. 5 N., R. 21 W.

Chains

- 45.20 Dry slough, brs. N. 60° W. and S. 60° E.
- 61.70 Slough, brs. N. 75° E. and S. 75° W., 50 lks. wide.
- 65.70 Slough, 75 lks. wide, brs. E. and W.
- 67.70 Dry slough, 40 lks. wide, brs. E. and W.
- 80.17 The cor. of secs. 5, 6, 7 and 8.

Land, nearly level, - agricultural, and grazing.
 Soil, adobe, 1st rate.
 Timber, scattering mesquite.

Nov. 23, 1911.

GENERAL DESCRIPTION.

This township consists of level bottoms, rolling Mesas and rugged mountains. The soil on the bottoms is adobe, 1st and 2nd rate, while on the mountains and mesas it is sandy and stony. The entire bottom land is covered with a scattering to a dense growth of arrow weed, mesquite and clumps of willows and cottonwood. The western portion of the township is covered with sloughs, - old river channels. During high stages of water these sloughs are filled, and have considerable water most of the year.

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. L. Walshe (Flagmen
- Leonard Blodgett)
- Chas. Bowman (
- W. E. Rose)
- R. F. Hendreson (Axemen
- E. W. Hoagland)

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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 subdivisions of
T. 5 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 direc-
 tion; 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	April 1, 1912	Instrumentman
A. O. Stinson	Nov. 1, 1911	April 1, 1912	Instrumentman
Louis G. Hurst	Nov. 1, 1911	Feb. 27, 1912	Chainman
William Cort	Nov. 1, 1911	Feb. 27, 1912	Chainman
C. A. Simson	Nov. 1, 1911	April 1, 1912	Chainman
R. P. Duffy	Nov. 1, 1911	April 1, 1912	Chainman
J. W. Rodgers	Nov. 1, 1911	April 1, 1912	Moundman
Clifford Mc Laughlin	Nov. 1, 1911	April 1, 1912	Moundman
W. L. Walsh	Nov. 1, 1911	April 1, 1912	Flagman
Leonard Bledgett	Nov. 1, 1911	April 1, 1912	Axman & Flagman
Chas. Bowman	Nov. 1, 1911	Apr. 1, 1912	Flagman, Chainman and Axman
W. H. Rose	Nov. 1, 1911	April 1, 1912	Axman
R. F. Henderson	Jan. 25, 1912	April 1, 1912	Axman
E. W. Hoagland	Nov. 1, 1911	Apr. 1, 1912	Axman & Chainman

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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BOOK 2465
Original oath filed with Book "A" of subdivisions.

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 to A.F. Dunnington, Topographer in Charge** bearing date of the **23rd** day of **November**, 191**0**, 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 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 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**, 191**2**.



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., **Nov. 24**, 191**3**

The foregoing field notes of the survey of **subdivision of T. 5 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 of Indian Surveys **Nov. 23,** 191**0**, having been
under his special instructions dated _____, 191**0**, 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 Fallman
Commissioner of the General Land Office

I certify that the foregoing transcript of the field notes of the above-described surveys in **T. 5 N.,**
R. 21 W., Arizona, has been correctly copied from the original notes on file in this office.

(Signed) Clay Fallman
Commissioner of the General Land Office

Washington, D.C., *April 28* 1913.

I hereby certify that the survey of the subdivision lines of T. 5 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 special 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. Drumminglin

Topographer in Charge.