

2465

BOOK 2465

FEB 4-1914

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of

Frac. TOWNSHIP 5 NORTH RANGE 20 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

~~Group No. , which were approved by the Commissioner of the General Land~~
~~Office, , 191 , pursuant to authority contained in the Act of~~
~~Congress dated , 191 .~~

Survey commenced February 23, , 1912.

Survey completed February 24, , 1912.

1A 81

BOOK 2465

INDEX DIAGRAM.

Township 5 North, Range 20 West

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

Subdivision of frag. T. 5 N., R. 20 W.

Chains

Survey commenced February 23, 1912, 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.

For Polaris observation, see notes of the W. bdy. of this township.

The SW. cor. of this Tp. is in Lat. 33° 43' 24" N.; Long. 114° 22' 37" W.

Feb. 23, 1912. At 8 a.m., l.m.t., I set off 33° 43' on the lat. arc, 10° 07½' S. on the decl. arc, and determine a meridian with the solar at the S.C. of secs. 31 and 32, on S. bdy. of Tp.

Thence I run

N. 0° 03' W. bet. secs. 31 and 32.

Over flat mesa.

- 6.75 Small wash, course N. 40° W.
- 10.75 Small wash, course N. 65° W.
- 40.00 Set an iron post for the ¼ sec. cor. bet. secs. 31 and 32, with brass cap stamped
 - ¼ S 31 in W. half
 - S 32 in E. half
 - 1912 in S., from which
- A palo verde 8 ins. dia. brs. N. 24½° W., 37 lks. dist.
 Mkd. ¼ S 31 B T.
- A palo fierro 24 ins. dia. brs. S. 78° E., 181 lks. dist.
 Mkd. ¼ S 32 B T.
- Build a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
- 40.50 Enter arroyo, course N. 85° W.
- 44.50 Leave arroyo, course N. 85° W.
- 72.00 Enter arroyo, course N. 70° W.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

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 20 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, 1 1/2 ft. high, W. of cor.

(Cor. in arroyo).

Land, flat, barren mesa, cut up by deep, wide arroyos.
Soil, gravelly, 3rd rate.
Timber, scattering palo verde and palo fierro, in arroyos.

From the cor. of secs. 29, 30, 31 and 32, I run East on a true line bet. secs. 29 and 32. In arroyo.

17.00 Leave arroyo, course N. 60° W.

31.25 Small wash, course N. 65° W.

35.50 Enter arroyo, course N. 65° W.

40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 29 and 32, with brass cap stamped

1/4 S 29 in N. half
S 32 1912 in S. half, from which

A palo fierro 16 ins. dia. brs. S. 54 1/2° W., 63 lks. dist.
Mkd. 1/4 S 32 B T.

A palo verde 6 ins. dia. brs. N. 52 1/2° W., 56 lks. dist.
Mkd. 1/4 S 29 B T.

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

45.00 Leave arroyo, course N. 60° W.

45.01 Intersect the E. bdy. of the Colorado River Indian Reservation 36.49 chs. N. 6° 36' E. of the 18 Mile Post.

Set an iron post for C.C. of frac. secs. 29 and 32, with brass cap stamped

P L in E.
C C C R I R in W.
T 5 N S 32 in SW. quadrant
R 20 W S 29 in NW. quadrant

1912 in S.
1 notch on S. and 5 notches on N. edges

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

Subdivision of frac. T. 5 N., R. 20 W.

Chains

Land, barren mesa, cut by arroyos.
Soil, gravelly and sandy, 3rd rate.
Timber, scattering palo verde and palo fierro.

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. $\frac{1}{4}$ sec. cor.

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

Thence I run
N. 89° 52' E. on a true line bet. secs. 30 and 31.

Over mesa.

11.90 Small wash, course N.

14.90 Small wash, course N.

38.40 Enter arroyo, course N.

39.88 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 30 and 31,
with brass cap stamped

$\frac{1}{4}$ S 30 in N. half
S 31 1912 in S. half, from which

A palo fierro 30 ins. dia. brs. N. 42 $\frac{1}{2}$ ° W., 133 lks. dist.
Mkd. $\frac{1}{4}$ S 30 B T.

A palo verde 10 ins. dia. brs. S. 33 $\frac{1}{2}$ ° W., 174 lks. dist.
Mkd. $\frac{1}{4}$ S 31 B T.

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

(Cor. in arroyo).

55.90 Leave arroyo, course N. 25° W.

62.90 Enter arroyo, course N. 60° W.

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

Land, barren mesa, cut by wide deep arroyos.
Soil, sandy and gravelly, 3rd rate.
Timber, scattering palo verde and palo fierro.

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

In arroyo.

0.75 Leave arroyo, course N. 60° W. Thence on mesa.

13.50 Enter arroyo, course N. 30° W.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

40.00 Set an iron post for the $\frac{1}{4}$ 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., from which

A palo verde 14 ins. dia. brs. S. $38\frac{1}{2}^{\circ}$ W., 82 lks. dist.

Mkd. $\frac{1}{4}$ S 30 B T.

A palo fierro 10 ins. dia. brs. N. $44\frac{1}{2}^{\circ}$ E., 79 lks. dist.

Mkd. $\frac{1}{4}$ S 29 B T.

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

(Cor. in arroyo).

60.50 Leave arroyo, course W.

69.00 Small wash, course W.

76.00 Small wash, course W.

80.00 Set an iron post for the cor. of secs. 19, 20, 29 and 30, with brass cap stamped

T 5 N S 20 in NE. quadrant
R 20 W S 29 in SE. quadrant
S 30 in SW. quadrant
S 19 in NW. quadrant

1912 in S.

2 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, barren mesa.

Soil, sandy and gravelly, 3rd rate.

Timber, scattering palo verde and palo fierro.

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

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

Over mesa.

8.50 Small wash, course S. 60° W.

17.50 Small wash, course S. 75° W.

25.00 Small wash, course S. 85° W.

31.00 Road to Quartzsite, brs. N. 45° W. and S. 88° E.

40.00 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 frac. T. 5 N., R. 20 W.

Chains

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

53.50 Enter arroyo, course S. 85° W.

54.28 Intersect the E. bdy. of the Colorado River Indian Reservation, 37.00 chs. N. 6° 36' N. of the 19 Mile Post.

Set an iron post for C.C. of frac. secs. 20 and 29, with brass cap stamped

PL in E.
CC CRIR in W.
T 5 N S 29 in SW. quadrant
R 20 W S 20 in NW. quadrant
1912 in S.
2 notches on S. and 4 notches on N. edge

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

Land, barren mesa.
Soil, sandy, 3rd rate.
Scattering bunch grass in arroyos.

Feb. 23, 1912. At the cor. of secs. 19, 20, 29 and 30, I set off 10° 05' S. on the decl. arc, and at 12h 13m 43s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 45'; the proper lat.

Thence I run
S. 89° 52' W. on a random line bet. secs. 19 and 30.

40.00 Set temp. 1/4 sec. cor.

79.88 Falls 5 lks. S. of the cor. of secs. 19, 24, 25 and 30, on W. bdy. of Tp.

Thence I run
N. 89° 54' E. on a true line bet. secs. 19 and 30.
In arroyo.

39.88 Set an iron post for the 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 6 ins. dia. brs. N. 56° W., 63 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.

60.90 Leave arroyo, course N. 50° W.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

- 66.40 Small wash, course N. 40° W.
- 73.90 Small wash, course S. 60° W.
- 79.88 The cor. of secs. 19, 20, 29 and 30.

Land, barren mesa.
 Soil, sandy, 3rd rate.
 Timber, scattering palo verde and palo fierro.
 Scattering bunch grass and chaparral.

From the cor. of secs. 19, 20, 29 and 30, I run
 N. 0° 03' W. bet. secs. 19 and 20.

Over mesa.

- 14.00 Small wash, course W.
- 39.00 Small wash, course W.

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
 1912 in S., from which

A palo verde 24 ins. dia. brs. S. 10 $\frac{1}{2}$ ° W., 85 lks. dist.
 Mkd. $\frac{1}{4}$ S 19 B T.
 A palo verde 8 ins. dia. brs. S. 49° E., 249 lks. dist.
 Mkd. $\frac{1}{4}$ S 20 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.

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

T 5 N S 17 in NE. quadrant
 R 20 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. 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, nearly level mesa, - barren.
 Soil, sandy, 3rd rate.
 Timber, scattering palo verde and palo fierro.
 Scattering bunch grass and chaparral.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

From the cor. of secs. 17, 18, 19 and 20, I run East on a true line bet. secs. 17 and 20.

Over mesa.

2.50 Road, brs. N. 40° W. and S. 40° E.

25.50 Small wash, course N. 40° W.

30.50 Small wash, course N. 45° W.

40.00 Set an iron post for the 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.

43.50 Small wash, course N. 80° W.

55.50 Small wash, course N. 45° W.

63.60 Intersect the E. bdy. of the Colorado River Indian Reservation, 37.41 chs. N. 6° 36' E., of the 20 Mile Post.

Set an iron post for C.C. of frac. secs. 17 and 20, with brass cap stamped

P L in E.
C C C.R.I.R in W.
T 5 N S 20 in SW. quadrant
R 20 W S 17 in NW. quadrant
1912 in S.
3 notches on S. and 3 notches on N. edges

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

Land, nearly level mesa, - barren.
Soil, sandy, 3rd rate.
Scattering bunch grass and chaparral.

From the cor. of secs. 17, 18, 19 and 20, I run S. 89° 54' W. on a random line bet. secs. 18 and 19.

40.00 Set temp. 1/4 sec. cor.

79.85 Falls 8 lks. S. of the cor. of secs. 13, 18, 19 and 24, on W. bdy. of Tp.

Thence I run N. 89° 57' E. on a true line bet. secs. 18 and 19.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

Over mesa.

39.85 Set an iron post for 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 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.

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

Land, rolling mesa, - barren.
Soil, sandy, 3rd rate.
Scattering bunch grass and chaparral.

Feb. 24, 1912. At 8 a.m., l.m.t., I set off $33^{\circ} 45\frac{1}{2}'$ on
the lat. arc, $9^{\circ} 45\frac{3}{4}'$ S. on the decl. arc, and deter-
mine a meridian with the solar, at the cor. of secs. 17,
18, 19 and 20.

Thence I run

N. $0^{\circ} 03'$ W. bet. secs. 17 and 18.

Over gently rolling mesa.

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

11.00 Enter arroyo, course N. 20° W.

20.00 Leave arroyo, course N. 20° W.

30.00 Enter arroyo, course N. 45° W.

37.00 Leave arroyo, course N. 45° W.

39.50 Small 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.

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

48.50 Enter Tyson Arroyo, course S. 80° W.

71.00 Road to Valenzuela Mine, brs. E. and W.

76.00 Leave Tyson Arroyo, course S. 75° W.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

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 20 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

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

Land, broken mesa, - barren.
Soil, sandy, 3rd rate.
Timber, scattering palo verde and palo fierro in Tyson Arroyo. Scattering bunch grass and chaparral.

From the cor. of secs. 7, 8, 17 and 18, I run East on a true line bet. secs. 8 and 17. Over rolling mesa.

11.80 Enter Tyson Arroyo, course S. 70° W.

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

40.00 Set an iron post for the 1/4 sec. cor. bet. secs. 8 and 17, with brass cap stamped

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

74.50 Intersect the E. bdy. of Colorado River Indian Reservation, 6.64 chs. N. 18° 20' E. of Angle Point 19, which is Chandler Robbins' old 13 Mile Post, and is 31.37 chs. N. 6° 36' E. of the 21 Mile Post.

Set an iron post for C.C. of frac. secs. 8 and 17, with brass cap stamped

P L in E.
C C C R I R in W.
T 5 N S 17 in SW. quadrant
R 20 W S 8 in NW. quadrant
1912 in S.

4 notches on S. and 2 notches on N. edge

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

Land, rolling mesa and nearly flat wash, - barren.
Soil, sandy, 2nd rate.
Scattering palo verde and palo fierro; and scattering bunch grass and chaparral.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

From the cor. of secs. 7, 8, 17 and 18, I run
S. 89° 57' W. on a random line bet. secs. 7 and 18.

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

79.70 Falls 16 lks. N. of the cor. of secs. 7, 12, 13 and 18,
on W. bdy. of Tp.

Thence I run
N. 89° 50' E. on a true line bet. secs. 7 and 18.

Over rolling land.

7.00 Wash, course N.

13.60 Wash, course S. 20° E.

25.70 Wash, course S. 20° E.

39.70 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, from which

A palo fierro 16 ins. dia. brs. S. 41 $\frac{1}{2}$ ° W., 39 lks. dist.
Mkd. $\frac{1}{4}$ S 18 B T.

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

49.70 Road, brs. N. 60° W. and S. 60° E.

70.00 Wash, course S.

78.70 Small wash, course S.

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

Land, broken and rolling, - barren.
Soil, sandy, 3rd rate,
Scattering palo fierro and palo verde timber.

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

Over rolling land.

18.50 Wash, course S. 10° W.

34.00 Summit of ridge, brs. N. 45° E. and S. 45° W.

37.50 Wash, course S. 80° W.

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
1912 in S.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

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

46.00 Summit of ridge, brs. E. and W.

52.50 Wash, course W.

61.98 Derrick shaft of Mammoth Mine, brs. S. $75^{\circ} 02'$ W.

62.00 Summit of ridge, brs. E. and W.

72.00 Wash, course S. 65° W.

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 20 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 notches on E. edge

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

Land, barren, - broken and mountainous.
Soil, rocky, 3rd rate.
Scattered bunch grass.

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

S. $89^{\circ} 50'$ W. on a random line bet. secs. 6 and 7.

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

79.58 Intersect the cor. of secs. 1, 6, 7 and 12, on W. bdy. of Tp.

Thence I run

N. $89^{\circ} 50'$ E. on a true line bet. secs. 6 and 7.

Over nearly level mesa.

17.25 Mammoth Mine shaft, brs. S. $41^{\circ} 49'$ W.

39.58 Set an iron post for the $\frac{1}{4}$ sec. cor. bet. secs. 6 and 7,
with brass cap stamped

$\frac{1}{4}$ S 6 in N. half

S 7 1912 in S. half

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

41.60 Enter arroyo, course S. 10° W.

50.60 Leave arroyo, course S. 10° W.

61.10 Wash, course S. 60° W.

69.70 Summit of ridge, brs. N. 10° E. and S.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

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

Land, barren, 60.00 chs.; mesa, 19.58 chs., mountainous.
Soil, sandy and rocky, 3rd rate.
Scattered bunch grass and chaparral.

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

40.00 Set temp. 1/4 sec. cor.

79.70 Falls 3 lks. W. of the cor. of secs. 5, 6, 31 and 32, on
N. bdy. of Tp.

Thence I run
S. 0° 02' E. on a true line bet. secs. 5 and 6.
Over rolling mesa land.

13.70 Wash, course S. 60° W.

24.70 Wash, course S. 75° W.

26.70 Leave mesa; enter mountainous land, brs. E. and W.

39.70 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
1912 in S.

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

41.00 Summit of ridge, brs. N. 10° W. and S. 10° E.

60.70 Summit of ridge, brs. N. 45° E. and S. 45° W.

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

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

From the cor. of secs. 5, 6, 7 and 8, I run
East on a true line bet. secs. 5 and 8.
Over mountainous land.

9.50 Summit of mountain range, brs. N. and S.

35.25 Wash, course S. 30° E.

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

Subdivision of frac. T. 5 N., R. 20 W.

Chains

¼ 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 3½ ft. base, 1½ ft. high,
N. of cor.

44.50 Enter arroyo, course S. 20° W.

57.00 Road to Valenzuela Mine, brs. N. 10° E. and S. 10° W.

70.00 Leave arroyo, course S. 40° W.

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

T 5 N S 4 in NE. quadrant
R 20 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 notches on E. edges

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

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

Feb. 24, 1912. At the cor. of secs. 4, 5, 8 and 9, I set
off 9° 43¼' S. on the decl. arc, and at 12h 13m 35s p.m.
l.m.t., observe the sun on the meridian; the resulting
lat. is 33° 47'; the proper lat.

From the cor. of secs. 4, 5, 8 and 9, I run
S. 0° 02' E. on a true line bet. secs. 8 and 9.
Over broken mesa land.

32.00 Small wash, course S. 10° W.

40.00 Set an iron post for ¼ sec. cor. bet. secs. 8 and 9, with
brass cap stamped

¼ S 8 in W. half
S 9 in E. half
1912 in S.

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

48.50 Small wash, course S. 20° W.

63.63 Intersect the E. bdy. of the Colorado River Indian Reser-
vation 23.84 chs. N. 18° 20' E. of Angle Point 19.

Set an iron post for C.C. of secs. 8 and 9, with brass

Subdivision of frac. T. 5 N., R. 20 W.

Chains

cap stamped

P L in SE.
C C C R I R in NW.
T 5 N S 9 in NE. quadrant
R 20 W S 8 in NW. quadrant
1912 in S.
4 notches on E. and 2 notches on W. edge

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

Land, rolling, barreh mesa.
Soil, sandy and rocky, 3rd rate.

From the cor. of secs. 4, 5, 8 and 9, I run
East on a true line bet. secs. 4 and 9.
Over rolling mesa.

11.00 Small wash, course S. 30° E.

18.00 Small wash, course S. 15° E.

21.08 Intersect the E. bdy. of the Colorado River Indian Reservation 42.21 chs. N. 18° 20' E. of the 22 Mile Post.

Set an iron post for C.C. of frac. secs. 4 and 9, with
brass cap stamped

P L in E.
C C C R I R in W.
T 5 N S 9 in SW. quadrant
R 20 W S 4 in NW. quadrant
1912 in S.
5 notches on S. and 1 notch on N. edge

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

Land, barren, rolling mesa.
Soil, sandy and rocky, 3rd rate.

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. 1/4 sec. cor.

79.65 Falls 20 lks. E. of cor. of secs. 4, 5, 32 and 33, on
N. bdy. of Tp.

Thence I run
S. 9° 11' E. on a true line bet. secs. 4 and 5.

Over rolling mesa.

4.75 Enter shallow arroyo, course S. 10° W.

Subdivision of frac. T. 5 N., R. 20 W.

Chains

- 20.00 Leave arroyo, course S. 10° W.
- 31.50 Wash, course S. 20° W.
- 39.65 Set an iron post for the $\frac{1}{4}$ 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.
Build a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 58.50 Enter arroyo, course S. 30° W.
- 76.50 Leave arroyo, course S. 30° W.
- 79.65 The cor. of secs. 4, 5, 8 and 9.

Land, barren, rolling mesa.
Soil, rocky, 3rd rate.

Feb. 24, 1912.

GENERAL DESCRIPTION

This township consists of high rolling mesas and mountains. The soil is stony and rocky, third rate. The land is barren and devoid of vegetation except for scattered palo verde and palo fierxo trees in the arroyos.

GUY P. HARRINGTON
U. S. Surveyor.

- List of Assistants:
- Earl G. Harrington, Instrumentman
 - A. O. Stinson, Instrumentman
 - Louis G. Hurst, Chainman
 - Wm. Cort, Chainman
 - C. A. Simson, Chainman
 - R. P. Duffy, Chainman
 - J. W. Rodgers, Moundsman
 - Clifford Mc Laughlin, Moundsman
 - W. J. Walshe, Flagman
 - Leonard Blodgett, Flagman
 - W. E. Rose, Axman
 - Chas. E. Bowman, Axman
 - John Mc Alpin, Axman
 - E. W. Hoagland, Axman

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 **Sec. T. 5 N.,**
R. 20 W., within the Colorado River 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 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 | Moundsman |
| Clifford Mc Laughlin | Nov. 1, 1911 | April 1, 1912 | Moundman |
| W. J. Walshe | Nov. 1, 1911 | April 1, 1912 | Flagman |
| Leonard Blodgett | Nov. 1, 1911 | April 1, 1912 | Flagman |
| W. E. Rose | Nov. 1, 1911 | April 1, 1912 | Axman |
| Chas. W. Bowman | Nov. 1, 1911 | April 1, 1912 | Axman |
| John Mc Alpin | Jan. 1, 1912. | April 1, 1912 | Axman |
| E. W. Hoagland | Nov. 1, 1911, | April 1, 1912 | Axman |

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

Guy P. Harrington.

U. S. Surveyor.

Original oath filed with Book "A" of subdivisions.
FINAL OATH OF UNITED STATES SURVEYOR.

BOOK 2400

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 U. S. Surveyor General for~~ and in the specific manner described in the field notes, and th 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.

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 frac. T. 5 N., R. 20 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** **November 23**, 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) *E. J. Tallman*

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. 20 W., Arizona**, has been correctly copied from the original notes on file in this office.

E. J. Tallman

Commissioner of the General Land Office.

17
Washington, D.C., *April 28* 1913.

I hereby verify that the survey of the subdivision lines of frac. T. 5 N., R. 20 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. Drummington

Topographer in Charge.