

Original

Book "F"

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3389

4-679

BOOK 3389

FIELD NOTES

DEPENDENT
OF RESURVEY OF

PORTION OF SUBDIVISIONS T.5 S. R.7 E.

AND

RETRACEMENT OF PART OF W. BDY.

T.5 S. R.7 E.

3389

Of the Gila and Salt River Principal Meridian,

In the State of Arizona.

EXECUTED BY

Guy P. Harrington

3389

U.S. Cadastral Engineer

In the capacity of ~~U.S. Surveyor~~, under Special Instructions dated Sept. 20th, 1919,

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

No. 95, which were approved by the Commissioner of the General Land

Office, October 11, 1919, and Assignment Instructions dated Oct. 13, 1919

Survey commenced Oct. 17th, 1919

Survey completed Nov. 13th, 1919

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3389

BOOK 3389

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Survey executed October 17 to November 13, 1919.

RESURVEY OF PORTION OF SUBDIVISIONS T.5 S. R.7 E.

Survey commenced Oct. 17th. 1919 and executed with Buff and Buff Light mountain solar transit No. 9938; the horizontal limb of which is provided with two double verniers reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. The instrument was tested on the meridian at the Federal Building at Phoenix Arizona, found correct and approved by the Assistant Supervisor of Surveys, conditional upon satisfactory field tests on Oct. 13th. 1919.

All measurements in this survey are made with a steel tape 5.00 chs. in length. The measurements are taken on the slope and the slope angle read with an Abney clinometer and the true horizontal distances computed. All records of distances herein are the true horizontal distances.

Oct. 19th. 1919, in the grounds of the Florence Hotel at Florence Arizona, in T.4 S. R.9 E., in latitude, $33^{\circ} 04' N.$ and longitude $111^{\circ} 28' W.$ at 5h 42^m 45^s A.M. local mean time I observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions and mark the mean point of the line thus determined, on a peg about 6.00 chs. N. of my station.

Azimuth of Polaris at western elongation equals $1^{\circ} 20' 21''$ At 8h 30m A.M. I lay off the azimuth of Polaris $1^{\circ} 20' 21''$ to the east and mark the meridian thus determined by a tack in a peg driven firmly in the ground 6 chs. N. On this date I test my instrument on this meridian, taking solar observations every hour. I find that the meridians determined by solar are at no time in error to exceed $1'$ of arc when compared with the meridian as determined by Polaris.

RESURVEY OF PORTION OF SUBDIVISION T.5 S.R.7 E.

Beginning at cor. of secs. 22,23,26 and 27, which is a mesquite post 4 ins. sq. 1 ft. above ground mkd. and witnessed as described by the Surveyor General; alongside of which set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 22,23,26 and 27 and angle point on the Gila River Indian Reservation bdy. with brass cap mkd.

GR T5SR7E
IR S22:S23
S27:S26

1919

From which

A mesquite, 8 ins. diam. bears N.29°E. 62 lks. dist. mkd. T5SR7E S23 BT.

A mesquite, 8 ins. diam. bears S.13° 30'E. 34 lks. dist. mkd. T5SR7E S26 BT.

A mesquite, 12 ins. diam. bears S.29° 30'W. 165 lks. dist. mkd. T5SR7E S27 BT.

A mesquite, 10 ins. diam. bears N.45° W. 78 lks. dist. mkd. T5SR7E S22 BT.

Thence N.0°49'E. bet. secs. 22 and 23 and along the bdy. of the Gila River Indian Reservation, over level valley through dense undergrowth of sage and mesquite and along W. side of wire fence.

21.00 Cor. of wire fence bears E. 100 lks. dist. from which fences extend S.1°00'W. and E.

39.85 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
S22:S23

1919

From which

A mesquite, 8 ins. diam. bears S.22°E. 52 lks. dist. mkd. $\frac{1}{4}$ S23 BT.

RESURVEY OF PORTION OF SUBDIVISION T.5 S.R.7 E.

79.70 A mesquite, 6 ins. diam. bears N.33°30'W, 87 lks. dist. mkd. $\frac{1}{4}$ S22 BT.
I find no evidence of the old $\frac{1}{4}$ sec. cor.
Cor. of secs. 14, 15, 22 and 23, which is a mesquite post 3 ins. diam. 1 ft. above ground mkd. as described by the Surveyor General but no accessories remain; alongside this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23 with brass cap mkd.

G T5SR7E
R S15:S14
I S22:S23
R
1919

This cor. is on the bdy. of the Gila River Indian Reservation.

From which

A mesquite, 12 ins. diam. bears N.28°30'E, 321 lks. dist. mkd. T5S R7E S14 BT.

A mesquite, 8 ins. diam. bears S.47°E, 372 lks. dist. mkd. T5S R7E S23 BT.

A mesquite, 16 ins. diam. bears S.77°W, 34 lks. dist. mkd. T5S R7E S22 BT.

A mesquite, 24 ins. diam. bears N.57°30'W, 345 lks. dist. mkd. T5S R7E S15 BT.

Land level valley.

Soil, sandy loam, friable, 1st. rate.

Undergrowth, scattering sage and mesquite.

timber, scattering mesquite which would be almost classified as undergrowth.

39.98 N.0°30'E, bet. secs. 14 and 15, along reservation bdy. over level land through undergrowth of sage and scattering mesquite.
The $\frac{1}{4}$ sec. cor. which is a mesquite post 4 ins. sq. 1 ft. above ground mkd. as described by the Surveyor General but no accessories remain; alongside of which set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for

RESURVEY OF POSITION OF SUBDIVISION T.5 S. R.7 E.

$\frac{1}{4}$ sec. cor. with brass cap mkd.

G
R $\frac{1}{4}$
S15:S14
R
1919

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

Thence N.0°2'W. continuing measurement,

79.93 Intersect the point for the old cor. of secs. 10,11,14 and 15 which I determine from the 4 old pits. whence the cor. of secs. 10 and 11 as established by the Indian Survey in 1911 bears S.39°52'E. 5.27 chs. dist. This old cor. point was not found by the Indian Survey but I am sure of its identification.

At the exact point determined, set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 14 and 15 with brass cap mkd.

T5SR7E
GR S10
S15:S14
1919

Dig pits 18x18x12 ins. SE. and SW. of cor. 3 ft. dist.

This cor. is an angle point on the reservation bdy.

Land level valley.

Soil, rich sandy loam, 1st. rate.

Undergrowth, sage and scattering mesquite.

Beginning at cor. of secs. 21,22,27 and 28, which is a mesquite post 3 ins. square, 1 ft. above ground mkd. and witnessed as described by the Surveyor General; alongside of which set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 21,22,27 and 28 with brass cap mkd.

GRIR
T5SR7E
S21:S22
S28:S27
1919

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

This cor. forms a point on the S. bdy. of the Gila River Indian Reservation.

Cor. of wire fence from which fences extend S. and W. bears S.51°W. 55 lks. dist. The above fences enclose a cultivated field, and have been set back 50 lks. from the section lines to leave space for a road as is the custom. The land owners therefore recognize the above corner point.

Thence S.89° 50'E. bet. secs. 22 and 27 and along reservation bdy., over level land through scattering undergrowth of sage and mesquite.

15.00 Road bears NE. and SW.

21.60 Wash, 35 lks. wide course N.

40.42 The old $\frac{1}{4}$ sec. cor. which is a mesquite post $3\frac{1}{2}$ ins. square, 1 ft. above ground mkd. as described by the Surveyor General but no accessories remain. Alongside this post set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

GRIR
 $\frac{1}{4}$ S22
S27
1919

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

Thence N.89° 43'E., continuing measurement,

54.50 Wire fence bears N. and S.

Cor. of fence bears N. 70 lks. dist. where fence turns E. Enter cotton field.

80.12 At E. edge of cotton field bears N. and S.

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

Land level valley.

Soil, sandy loam, and adobe, 1st. and 2nd. rates.

Undergrowth, dense sage and scattering mesquite.

From cor. of secs. 21, 22, 27 and 28,

N.1° 10'W. bet. secs. 21 and 22,

Resurvey Of Portion of Subdivision T.5 S. R.7 E.

over level valley through undergrowth of sage and scattering mesquite.

20.40 House bears N.81°E. about 25 chs. dist.

Windmill bears N.89°E. about 22 chs. dist.

25.45 Road, Blackwater and Casa Grande, bears NE. and SW.

41.96 The $\frac{1}{4}$ sec. cor. which is a mesquite post, 3 ins. diam. 1 ft above ground mkd. and witnessed as described by the Surveyor General, the old pits being plainly in evidence. Alongside this post set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
S21:S22

1919

Thence N.0°24'E., continuing measurement,

80.30 Cor. of secs. 15, 16, 21 and 22, which is a mesquite post 2 ins. square 2 ft. above ground mkd. and witnessed as described by the Surveyor General, the old pits being clearly in evidence. Alongside this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22 with brass cap mkd.

T5SR7E
S16:S15
S21:S22

GRIR

1919

This cor. is an angle point on the reservation bdy. since sec. 16 is a school section and the property of the state of Arizona.

Land level valley.

Soil, sandy loam and adobe, 1st. and 2nd. rate.

Undergrowth, sage and thinly scattered mesquite.

From cor. of secs. 14, 15, 22 and 23,

N.89° 47'W. bet. secs. 15 and 22,

over level valley through undergrowth of sage and scattered mesquite.

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

20.50 Old road bears NW. and SE.
 38.60 Dry wash, 20 lks. wide course N.
 40.85 At proportional distance, set an iron post 3 ft. long 1 in. diam. 24 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$ S15
 S22
 1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.
 I fail to find any evidence of the old $\frac{1}{4}$ sec. cor.

40.75 Dry wash, 20 lks. wide course N.
 48.00 Enter pole corral bears N. and S.
 49.50 Leave corral, 50 lks. square bears E. and W.
 Adobe house, 16'x20' bears N. 4.50 chs. dist.
 50.00 Road bears N.10°E. and S.10°W.
 53.20 Road bears N.15°E. and S.15°W.
 81.70 Cor. of secs. 15, 16, 21 and 22.
 Land level valley.
 Soil, sandy loam and adobe 1st. and 2nd. rates.
 Undergrowth, sage and scattering mesquite.

N.0° 4'W. bet. secs. 15 and 16 and along reservation bdy.
 over level valley land through scattering undergrowth of sage.

39.98 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$ G
 S16: S15 R
 I
 1919 R

74.40 Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist. I find no evidence of the old $\frac{1}{4}$ sec. cor.
 Sandy wash, 20 lks. wide course N.70°E.
 79.96 The old cor. of secs. 9, 10, 15 and 16 which was identified by the Indian survey of 1911 which is a mesquite post 4 ins. sq. 1 $\frac{1}{2}$ ft. above ground mkd. and witnessed as

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

described by the Surveyor general. Alongside this post set an iron post 3 ft. long 2 ins. diam. 26 ins. in the ground for cor. of secs. 15 and 16 with brass cap mkd.

T5SR7E
S9 GRIR
S16:S15

1919

Dig pits 18x18x12 ins. SE. and SW. of cor. 3 ft. dist. whence the cor. of secs. 9 and 10 bears S.89°52'E.

7.33 chs. dist.

Land level valley.

Soil, sandy and adobe, 1st. and 2nd. rates.

Undergrowth, scattering sage.

S.89° 52'E. along N. bdy. of sec.15, over level land through sage undergrowth with scattering mesquite.

7.33 Cor. of secs. 9 and 10 as established by the Indian Survey in 1911, which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described in the Indian Survey Notes. I remove the markings GRIR and PL from the cap as this corner does not now form the bdy. of the reservation.

27.33 The 1/16 sec. cor. for sec.10, established in the survey of 1911, which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor general. I remove the markings GRIR and PL from the cap as this cor. is not now on the reservation bdy.

Enter Papago Indian village bears N. and S.

32.00 Leave village of 5 houses bears N. and S.

Enter dense timber and undergrowth of mesquite.

41.03 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for 1/4 sec. cor. for sec. 15 with brass cap mkd.

1/4 S15

1919

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

- 47.33 Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist. I fail to find any evidence of the old $\frac{1}{4}$ sec. cor. The $\frac{1}{4}$ sec. cor. for sec. 10 as established in 1911, which is an iron post 3 ft. long 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General. I remove the markings GRIR and PL from the cap as this post is not now on the reservation bdy.
- 67.33 The $\frac{1}{16}$ sec. cor. for sec. 10 as established in the survey of 1911 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap as this cor. is not now on the reservation bdy.
- 70.00 Road, Blackwater and Casa Grande bears NE. and SW.
82.06 Cor. of secs. 14 and 15.
- Land level valley.
Soil, sandy loam and adobe, 1st. and 2nd. rates.
Undergrowth, sage and dense mesquite.
-
- From cor. of secs. 21, 22, 27 and 28,
N. $89^{\circ} 31' W.$ bet. secs. 21 and 28, along reservation bdy. over level valley through sage undergrowth.
- .50 Cor. of wire fence bears S. 50 lks. dist.
Thence parallel with fence, 50 lks. S. of line.
- 40.13 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
- GRIR
 $\frac{1}{4}$ $\frac{S21}{S28}$
1919
- Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist. I find no evidence of the old cor. Cor. of wire fence from which fences extend E. and S. bears S. $10^{\circ} 00' E.$ 19 lks. dist.
- 40.20 Road bears NE. and SW. Blackwater and Casa Grande.
- 43.60 Road bears NE. and SW.
- 63.40 Road bears N. and S.
- 70.00 Road bears N. and S.
- 80.26 Cor. of secs. 20, 21, 28 and 29, which is a sandstone, I

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

12x8x8 ins. buried beneath the surface and marked as described by the Surveyor General. Alongside this stone set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29 with brass cap mkd.

GRIR
T5SR7E
S20:S21
S29:S28

1919

From which a palaverde, 6 ins.

A palaverde, 6 ins. diam. bears N.8°30'E. 36 lks. dist. mkd. T5S R7E S21 BT.

A palaverde, 8 ins. diam. bears S.37° 30'E. 67 lks. dist. mkd. T5S R7E S28 BT.

A palaverde, 6 ins. diam. bears S.84°W. 20 lks. dist. mkd. T5S R7E S29 BT.

Raise a mound of stone 3 ft. base 2 ft. high W. of cor. Land nearly level valley.

Soil sandy loam and gravelly, 1st. and 2nd. rates.

Undergrowth, sage with palaverde and mesquite in W. portion.

N.0°16'W. bet. secs. 20 and 21,

ascending gradually through undergrowth of sage and scattered palaverde and mesquite.

2.00 Begin ascent of rocky spur bears NE. and SW.

15.00 Top of ascent on spur ridge composed of volcanic slide rock bears E. and W. 250 ft. high.

Descend.

23.30 Base of descent bears NW. and SE.

Thence over level valley through undergrowth and small timber of palaverde and mesquite.

39.80 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

$\frac{1}{4}$
 S20:S21

1919

From which

A palaverde, 6 ins. diam. bears N.31°E. 192 lks. dist.
mkd. $\frac{1}{4}$ S21 BT.

A palaverde, 8 ins. diam. bears S.19°W. 50 lks. dist.
mkd. $\frac{1}{4}$ S20 BT.

I find no evidence of the old $\frac{1}{4}$ sec. cor.

79.60 Cor. of secs. 16, 17, 20 and 21, which is a palaverde post
 $3\frac{1}{2}$ ins. square, 1 ft. above ground mkd. and witnessed as
described by the Surveyor General. Alongside this post
set an iron post 3 ft. long 2 ins. diam. 24 ins. in the
ground for cor. of secs. 16, 17, 20 and 21 with brass cap
mkd.

T5SR7E
 S17:S16
 S20:S21
 GRIR
 1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

This cor. is an angle point on the reservation bdy.

Land level valley and rocky spur.

Soil, sandy loam and stony 1st. and 3rd. rates.

Undergrowth, sage and palaverde.

Timber, scattering palaverde and mesquite.

From cor. of secs. 15, 16, 21 and 22,

N.89°57'W. bet. secs. 16 and 21,

over level valley through sage undergrowth.

5.50 Road bears NW. and SE.

40.20 The $\frac{1}{4}$ sec. cor. which is a mesquite post 3 ins. square
2 ft. above ground mkd. and witnessed as described by the
Surveyor General, the old pits being plainly in evidence.
Alongside this post set an iron post 3 ft. long 1 in. diam.
26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

$\frac{1}{4}$ S16
 S21
 GRIR
 1919

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

Thence West, continuing measurement.

77.50 Road bears N. and S.

80.20 Cor. of secs. 16, 17, 20 and 21.

Land level valley.

Soil, sandy loam and adobe, 1st. and 2nd. rates.

Undergrowth, sage.

N.0° 19' W. bet. secs. 16 and 17 and along reservation bdy.

over level valley with scattering undergrowth of palaverde and mesquite with dense sage.

39.00 Road bears N.3°W. and S.3°E.

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

$\frac{1}{4}$
 S17:S16
 R
 1919

From which

A palafierro, 14 ins. diam. bears S.16° 30' E. 142 lks. dist. mkd. $\frac{1}{4}$ S16 BT.

A palafierro, 12 ins. diam. bears N.43° 45' W. 118 lks. dist. mkd. $\frac{1}{4}$ S17 BT.

I fail to find any evidence of the old $\frac{1}{4}$ sec. cor.

80.29 The old cor. of secs. 8, 9, 16 and 17 which was identified in the survey of 1911 and changed to conform to a cor. for secs. 16 and 17 only. This cor. is a mesquite post 4 ins. square 18 ins. above ground mkd. and witnessed as described by the Surveyor General. Alongside this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 16 and 17 with brass cap mkd.

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RESURVEY OF A PORTION OF SUBDIVISION T.5 S. R.7 E.

T58R7E
 S8
 S17:S16
 :GRIR

1919

Dig pits 18x18x12 ins. SE. and SW. of cor. 3 ft. dist.

Land level valley.

Soil, sandy loam and gravelly, 1st. and 2nd. rates.

Timber, scattering palaverder, paladuro and mesquite.

Undergrowth, sage.

From cor. of secs. 15 and 16,

N.89° 05' W. along N. bdy. of sec. 16

over level valley through sage undergrowth.

- 1.23 Enter Indian Cemetery bears N. and S.
- 2.23 Leave cemetery bears N. and S.
- 12.71 1/16 sec. cor. for sec. 9 which is an iron post 1 in. diam
 1 ft. above ground mkd. and witnessed as described by the
 Surveyor General. This cor. remains a point on reservation
 bdy.
- 32.73 The 1/4 sec. cor. for sec. 9 as established in 1911 which is
 an iron post 1 in. diam. 1 ft. above ground mkd. and
 witnessed as described by the Surveyor General. This cor.
 remains a point on the reservation bdy.
- 40.43 The 1/4 sec. cor. for sec. 16 as identified in the survey of
 1911, which is a granite stone, 8x4x8 ins. above ground
 mkd. and witnessed as described by the Surveyor General.
 Alongside this stone, set an iron post 3 ft. long 1 in.
 diam. 26 ins. in the ground for 1/4 sec. cor. for sec.
 16 with brass cap mkd.

GRIR

1/4 S16

1919

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

Thence S.89°43' W. continuing measurement.

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

52.73 1/16 sec. cor. which was established in the survey of 1911 for sec.9 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General. This cor. remains on the reservation bdy.

72.74 Cor. of secs. 8 and 9 as established in 1911 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General. This cor. remains on the reservation bdy.

80.61 Cor. of secs. 16 and 17.
Land level valley.
Soil, sandy loam, 1st. rate.
Undergrowth, sage brush.

From cor. of secs. 20, 21, 28 and 29,
S. 89°47'W. bet. secs. 20 and 29 and along reservation bdy.

ascending gradually through undergrowth and scrub timber.

3.50 Begin steep and rugged ascent of ridge bears NE. and SW.

11.00 Top of ascent on ridge of malpais rocks bears N. and S.
Rocky peak bears N. 10.00 chs. dist. and S. about 20.00 chs. dist.

Descend.

20.00 Base of descent bears N. and S.

Thence descend gradually over valley.

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

GRIR
 $\frac{1}{4}$ $\frac{S20}{S29}$

1919

From which

A palafierro 6 ins. diam. bears N. 42 $\frac{1}{4}$ °W. 25 lks. dist.
mkd. $\frac{1}{4}$ S20 BT.

A palafierro, 6 ins. diam. bears S. 33°E. 86 lks. dist.
mkd. $\frac{1}{4}$ S29 BT.

I find no evidence of the old $\frac{1}{4}$ sec. cor.

RESURVEY OF PORTION OF SUBDIVISION. T.5 S. R.7 E.

80.16 Cor. of secs. 19, 20, 29 and 30, which is a mesquite post 4 ins. square 1 ft. above ground mkd. and witnessed as described by the Surveyor General. Alongside this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30 with brass cap mkd.

GRIR
T5SR7E
S19:S20
S30:S29

1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

Land level valley and rugged mountains.

Soil, sandy loam, 1st. rate and stony and rocky, 3rd. rate.

Timber, scrubby, palaverde, palafierro and mesquite.

Undergrowth of same.

From cor. of secs. 19, 24, 25 and 30 on the W. bdy. of tp. which is an iron post 3 ins. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General, which I additionally mark GRIR in the NE. quadrant, as this point is now an angle point on the reservation bdy;

N. 88° 52' E. bet. secs. 19 and 30 and along the reservation bdy.

over nearly level land through scrubby timber and undergrowth.

39.23 The $\frac{1}{4}$ sec. cor. which is a mesquite post 3 ins. square $1\frac{1}{2}$ ft. above ground mkd. and witnesses as described by the Surveyor General. Alongside this post set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. bet. secs. 19 and 30 with brass cap mkd.

$\frac{1}{4}$ GRIR
S19
S30

1919

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

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

Thence N. 88° 55' E. continuing measurement,
 50.00 Begin ascent of SW. slope of isolated and rocky hill.
 54.50 Top of ascent on S. slope of hill.
 Descend SE. slope of hill.
 Summit of hill, which is a sharp rocky peak, bears N. about
 5 chs. dist.
 77.70 Sandy wash; 20 lks. wide course, SW.
 79.13 Cor. of secs. 19, 20, 29 and 30.
 Land level valley and slope of rocky hill.
 Soil, sandy and stony, 2nd. and 4th. rates.
 Timber, scrubby palaverde, palafierro and mesquite.
 Undergrowth of same.

N. 0° 10' W. bet. secs. 19 and 20,
 over level valley, through scrubby timber and undergrowth.
 39.75 At proportional distance, set an iron post 3 ft. long
 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with
 brass cap mkd.

$\frac{1}{4}$
 S19: S20
 1919

From which

A palaverde, 10 ins. diam. bears S. 60 $\frac{1}{2}$ ° E. 116 lks.
 dist. mkd. $\frac{1}{4}$ S20 BT.

A palaverde, 10 ins. diam. bears S. 37 $\frac{1}{2}$ ° W. 58 lks.
 dist. mkd. $\frac{1}{4}$ S19 BT.

I find no evidence of the old $\frac{1}{4}$ sec. cor.
 79.50 Cor. of secs. 17, 18, 19 and 20, which is a mesquite post
 3 ins. square, 1 ft. above ground with a marked stone,
 mkd. and witnessed as described by the Surveyor General.
 Alongside this post and stone, set an iron post 3 ft. long
 2 ins. diam. 24 ins. in the ground for cor. of secs.
 17, 18, 19 and 20 with brass cap mkd.

T5SR7E
 S18: S17
 S19: S20

1919

RESURVEY. OF PORTION OF SUBDIVISION T.5 S.R7E.

BOOK 3389

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.
 Land level valley.
 Soil, sandy somewhat gravelly, 2nd. rate.
 Timber, scrubby palaverde and mesquite.
 Undergrowth of same with scattering sage and greasewood.

From cor. of secs. 16, 17, 20 and 21,
 S. 89° 39' W. bet. secs. 17 and 20,
 ascending gradually, through scrubby timber and undergrowth.

11.60 Wash, 300 lks. wide course NE.

20.00 Begin steep and rugged ascent of rocky ridge bears N.
 and S.

33.70 Top of ascent on rocky ridge bears N. and S. Descend.
 40.04 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$ $\frac{S17}{S20}$

1919

54.80 Raise a mound of stone 4 ft. base 2 ft. high N. of cor.
 I find no evidence of the old $\frac{1}{4}$ sec. cor.
 Base of rugged descent bears N. and S.

Thence over valley, descending gradually.

80.08 Cor. of secs. 17, 18, 19 and 20.

Land level valley and rugged broken slopes.

Soil, sandy and rocky, 2nd. and 4th. rates.

Timber, scrubby palafierre, palaverde and mesquite.

Undergrowth, same together with scattering sage and grease-
 -wood.

From cor. of secs. 13, 18, 19 and 24 on the W. bdy. of
 the tp. which is an iron post 3 ins. diam. 1 ft. above
 ground mkd. and witnessed as described by the Surveyor
 General, which I additionally mark GRIR on E. side as this
 cor. is now on the reservation bdy.;

N. 89° 30' E. bet. secs. 18 and 19,

over level land through scattering timber and undergrowth

19.00 Road bears N. and S.

39.37 The $\frac{1}{4}$ sec. cor. which is a mesquite post, $3\frac{1}{2}$ ins. square

RESURVEY OF PORTION OF SUBDIVISION T.5 S.R.7 E.

1½ ft. above ground mkd. and witnessed as described by the Surveyor General. Alongside this post set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.

¼ $\frac{S18}{S19}$

1919

From which

A palaverde, 10 ins. diam. bears N. 5½° W. 82 lks. dist. mkd. ¼ S18 BT.

A palaverde, 12 ins. diam. bears S. 67¼° W. 136 lks. dist. mkd. ¼ S19 BT.

Thence N. 89° 31' E. continuing measurement,

79.01 Cor. of secs. 17, 18, 19 and 20.

Land valley.

Soil, sandy and gravelly, 2nd. and 3rd. rates.

Timber, scrubby mesquite and palaverde.

Undergrowth same together with sage and greasewood.

N. 0° 6' W. bet. secs. 17 and 18,

over nearly level valley, through scattering mesquite and greasewood.

27.00 Begin steep ascent of E. end of rocky spur bears NE. and SW.

31.70 Top of ascent on rocky E. slope of spur bears NE. and SW. Descend N. slope of spur.

40.01 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.

¼ S18:S17

1919

From which

A palaverde, 4 ins. diam. bears N. 54° E. 39 lks. dist. mkd. ¼ S17 BT.

A palaverde, 4 ins. diam. bears N. 69½° W. 41 lks. dist.

RESURVEY OF PORTION OF SUBDIVISION T.5 S.R7E.

mkd. $\frac{1}{4}$ S18 BT.

I fail to find any evidence of the old $\frac{1}{4}$ sec. cor.

43.50 Rocky wash, 50 lks. wide course SE.

Ascend, very rugged and mountainous.

54.80 Top of ascent on rugged ridge, 300 ft. high Bears E. and W.

Thence very rugged and precipitious descent.

71.20 Rocky cañon, 30 lks. wide course E.

Ascend.

80.02 At proportional distance on E. and W. line, set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 17 and 18 only with brass cap mkd.

T5SR7E
S7

S18:S17

1919

Raise a mound of stone 4 ft. base 2 ft. high W. of cor.

Land principally rugged and mountainous.

Soil volcanic rocks, 4th. rate.

Timber, scrubby palaverde and mesquite.

Undergrowth, same with dense sage and greasewood.

From cor. of secs. 16 and 17,

S.89° 17' W. along N. bdy. of sec. 17,

ascending gradually through dense greasewood undergrowth.

32.15 The $\frac{1}{4}$ sec. cor. for sec. 8 as established in 1911, which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General. I remove the markings GRIR and PL from the post as this cor. is not now a point on the reservation bdy.

40.12 The old $\frac{1}{4}$ sec. cor. bet. secs. 8 and 17 which was identified in the survey of 1911 and since that time has referred to sec. 17 only; which is a granite stone, 8x8x8 ins. above ground with a mesquite post 4 ins. sq. 1 ft. above ground with post and stone mkd. $\frac{1}{4}$ on N. face. Alongside set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec. 17 with

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

brass cap mkd.

1/4 S17

1919

Raise a mound of stone 3 ft. base 2 ft. high S. of cor.

Thence S.89° 18'W. continuing measurement.

57.00 Begin steep ascent of rocky ridge bears N. and S.

67.00 Top of ascent on rocky ridge bears N. and S.

Descend rugged W. slope.

72.17 The cor. of secs. 7 and 8 as established in 1911 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General.

I remove the markings GRIR and PL from the cap of this post, as this cor. is not now a point on the reservation bdy.

79.67 Cor. of secs. 17 and 18, hereinbefore described.

Land rugged and mountainous.

Soil, stony and gravelly, 3rd. rate.

Timber, scrubby palaverde and mesquite.

Undergrowth, same together with sage brush.

S.89° 18'W. along N. bdy. of sec. 18, over rugged mountainous land descending toward draw, through scrubby timber and undergrowth.

1.00 Rocky wash, 30 lks. wide course SE.

Ascend.

18.40 Rocky spur ridge bears N. and S.

Descend.

32.20 Set an iron post 3 ft. long 1/2 in. diam. 26 ins. in the ground for ^{witness} 1/4 sec. cor. for sec. 7 with brass cap mkd.

1/4 S7

WC

1919

32.35 Raise a mound of stone 3 ft. base 2 ft. high N. of cor.

32.35 True point for cor. falls in rocky wash course S.

RESURVEY OF PORTION OF SUBDIVISION T.5 S. R.7 E.

39.55 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec. 18 with brass cap mkd.

$\frac{1}{4}$ S18

1919

Raise a mound of stone 3 ft. base 2 ft. high S. of cor.

72.20 The cor. of secs. 7 and 12, T. 5 S., Rs. 6 and 7 E., as established by me under this group and described in Book "E"

79.10 The Hesse cor. of secs. 7, 12, 13 and 18, changed to a cor. of secs. 13 and 18 only, as described under this group in Book "E"

Land, rugged and mountainous.

Soil, stony and rocky, 3rd. rate.

Timber, scrubby palaverde and mesquite.

Undergrowth of same together with sage and greasewood.

Retracement of Part of W. Bdy. of T. 5 S., R. 7 E.

Sec. 19 does not close within the allowable limits of error. I therefore retrace the W. bdy. of sec. 19 as follows:

Beginning at cor. of secs. 19, 24, 25 and 30 on W. bdy. of tp., previously described,

North on random line bet. secs. 19 and 24.

40.00 Intersect the $\frac{1}{4}$ sec. cor. which is an iron post, 1 in. diam. 1 ft. above ground, mkd. and witnessed as described by the Surveyor General. I additionally mark this post GRIR on E. half as it is now a point on the reservation bdy.

Bearing and length of true line is North, 40.00 chs. dist.

Thence North on random line, bet. secs. 19 and 24, N. half.

40.55 Fall 3 lks. W. of the cor. of secs. 13, 18, 19 and 24,

Retracement of Part of W. Bdy. of T. 5 S., R. 7 E.

previously described.

Bearing and length of true line is N.0°03'E., 40.55 chs. dist.

I go to the $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18, which is an iron post 1 in. diam. 1 ft. above ground, mkd. and witnessed as described by the Surveyor General. I additionally mark this post GRIR on E. face as this cor. is a point on the reservation bdy.

GENERAL DESCRIPTION:

The area of the township embraced in this survey consists of level valleys and rocky and broken ranges of hills. The soil in the valley is generally of a character suitable to intensive farming. The hills consist generally of bare lava rocks, supporting scrubby growths of palaverde, mesquite and scattering sage. The valley portions are generally covered with a heavy growth of sage with scattering mesquite timber and undergrowth.

In secs. 15, 16, 21 and 22 I have no doubt that sufficient water can be obtained for irrigation from shallow wells.

A well at the Indian village in sec. 15 and at the house in the S. portion of sec. 15 seem to produce an abundance of water at a depth of only 30 ft.

136 (24)
BOOK 3009

CERTIFICATE OF UNITED STATES SURVEYOR.

I, _____, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For oath of U.S.Cadastral Engineer see Book "A" (T. 1 N., R. 1 E.)

_____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

_____ *September 2* _____, 1920

The foregoing field notes of the survey of **part of the subdivisions of T. 5 S., R. 7 E., and part of west boundary of T. 5 S., R. 7 E.**

executed by **Guy P. Harrington U.S.Cadastral Engineer**

under his special instructions dated **September 20** _____, 1919, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Francis D. Frost

U. S. Surveyor General.

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

U. S. Surveyor General.