

2158

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4-679.

BOOK 2158

Book D.

Accepted, letter E. May 4, 1910

FIELD NOTES

OF THE SURVEY OF THE

2158 **Frac. Subdivision of T. 14 S. R. 26 E.**

2158

2158

Of the Gila & Salt River Base & Meridian,
Arizona

AS SURVEYED BY

Jesse B. Wright, *United States Deputy Surveyor,*

Under his Contract No. 154, *dated* February 9, 1909

Survey commenced April 16, 1909

Survey completed April 19, 1909

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18/20

BOOK 2158
NAMES AND DUTIES OF ASSISTANTS.

Walter Percival Chainman

" Santiago Orosiola "

Antonio Torres Jr. Moundman

" Silario Perato Axeman "

Refugio Pechas Flagman

BOOK 2158

INDEX DIAGRAM.

Township 14 South, Range 26 East

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BOOK 2158

PRELIMINARY OATHS OF ASSISTANTS.

WE, Walter Percival and Santiago Vindiola, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Frac. Subdivision of T. 14 S. R. 26 E.

Walter Percival, Chainman.
Santiago Vindiola, Chainman.

Subscribed and sworn to before me this 11th day of April, 1909



Jesse Burdick
U. S. Dep. Surveyor.

I, Antonio Torres and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of Frac. Subdivision of T. 14 S. R. 26 E.

Antonio Torres jr, Moundman.
_____, Moundman.

Subscribed and sworn to before me this 11th day of April, 1909



Jesse Burdick
U. S. Deputy Surveyor.

I, Silverio Peratto and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of Frac. Subdivision of T. 14 S. R. 26 E.

Silverio Peratto, Axman.
_____, Axman.

Subscribed and sworn to before me this 11th day of April, 1909



Jesse Burdick
U. S. Deputy Surveyor.

I, Refugio Pacheco, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Frac. Subdivision of T. 14 S. R. 26 E.

Refugio Pacheco, Flagman.

Subscribed and sworn to before me this 11th day of April, 1909



Jesse Burdick
U. S. Dep. Surveyor.

Subdivision of T. 14 S. R. 26 E.

Chains

Survey commenced, April 16, 1909, and executed with a W. & L.E. Garley light mountain transit, with Burt patent solar attachment, special make, unnumbered, the horizontal limb having two double verniers placed opposite to each other and each reading to 1' of arc which is also the least reading of the latitude and declination arcs. I examine and test the levels, the standards and line of collimation of the instrument, and find same correct. I also examine and test carefully the polar axis, the solar lines and lenses, the declination arc and hour circle of the solar, and find same correct. Finding all parts of the instrument in satisfactory adjustment; then to test the solar apparatus by comparing results of observations on the sun made during a.m. & p.m. hours with a meridian determined by Polaris observation, I proceed as follows:-

At 5h p.m., l.m.t., at the cor. of secs. 3, 4, 33 and 34 on S. boundary of T. 14 S. R. 26 E. as established by me. Latitude 32° 09' 38" N., Longitude 109° 35' 51" W.

I set off 10° 10' 30" N on the decl. arc and 32° 9' 30" N on the lat. arc and determine a meridian with the solar, and mark the meridian thus determined by a cross on a fixed stone 5 chs. N. of My station.

April 17, at 5h 50m a.m. I observe Polaris at E. Elong. in accordance with instructions in the "Manual" and mark the line thus determined by a tack in a stake driven in the ground 5 chs. N. of my station.

at 8h a.m., I set off the azimuth of Polaris 1° 23' to the West. The true meridian thus determined coincides with the meridian established by solar obs'n on preceding evening.

Then I set off 10° 25' N on the decl. arc and 32° 9' 30" N on lat. arc and determine a meridian with the solar, which meridian falls 0.15 ins. E. of the meridian determined by Polaris observation. This error being probably less than the ordinary error of observation, I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 8h a.m., is N. 13° 15' W.; the angle thus determined gives the magnetic declination as 13° 15' East.

From the corner above described I run, N. 0° 2' W. bet. secs. 33 & 34.

18.00 Over rolling land asc. grad. through dense mesquite. Road, brs. NE. & SW.

40.00 Set a granite stone 24x10x10 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone covered with earth 3 ft. base 2 ft. high W. of cor. dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist. No bearings available.

80.00 Top of knoll, Set a quartzite stone 24x12x8 ins. 18 ins. in the ground for cor. of secs. 22, 28, 33 & 34, marked with 1 notch on S. & 3 notches on E. edge and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. No bearings available. Pits impracticable. Land, rolling.

Soil, 2nd & 3rd rate. No timber. Undergrowth, dense mesquite brush and tesselata. Rolling land covered with dense undergrowth 80.00 chs. -----000000000000-----

N. 0° 2' W. bet. secs. 27 & 28

24.00 Over rolling land, desc. grad. through dense mesquite. Enters swale of wash, extends WSW. no defined channel.

38.00 Leave swale of wash.

40.00 Set a quartzite stone 24x18x8 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. No bearings available. Pits impracticable.

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Subdivision of T. 14 S. R. 26 E.

Chains

48.00 Road Willcox to Dos Cabezas and telephone line bet. same
brs. NW. & SE.

78.00 Enter open flat. of draw E. & W.

80.00 Set a granite stone 24x10x8 ins. 18 ins. in the ground
for cor. of secs. 21,22,27 & 28 marked with 2 notches on
S. & 3 notches on E. edges and raise a mound of stone 2 ft.
base 1 1/2 ft. high W. of cor.

No bearings available. Pits impracticable.

Land rolling.

Soil 2nd & 3rd rate.

No timber.

Undergrowth, dense mesquite, tesseta. good native grass.

-----ooooooooo-----
From the cor. of secs. 32 & 33 on the S. bdy., I run,
N. 0° 2' W. bet. secs. 32 & 33.

Over rolling land through dense mesquite.

2150. Dry wash 80 lks. wide, course WSW.

40.00 Set a quartzite stone 20x15x10 ins. 15 ins. in the
ground for 1/4 sec. cor. marked 1/4 on W. face and raise a
mound of stone 2 ft. base 1 1/2 ft. high W. of cor.

No bearings available. Pits impracticable.

80.00 Set a quartzite stone 24x15x10 ins. 18 ins. in the ground
for Cor. of secs. 28,29,32 & 33 marked with 1 notch
on S. & 4 notches on E. edges and raise a mound of
stone 3 ft. base 2 ft. high W. of cor.

No bearings available. Pits impracticable.

Land rolling.

Soil, 2nd & 3rd rate., gravelly, sandy.

No timber.

Undergrowth, dense mesquite, tesseta. scattering cacti.
Rolling land covered with dense undergrowth 80.00 chs.

-----ooooooooo-----

S. 89° 55' E. on a random line bet. secs. 28 & 33
40.00 Set temp. 1/4 sec. cor.

80.04 Intersect N. & S. line 5 lks. N. of cor. of secs.
27,28,33 & 34, whence I run,

N. 89° 53' W. on a true line bet. secs. 28 & 33.

40.02 Set a granite stone 20x10x10 ins. 15 ins. in the ground for
1/4 sec. cor. marked 1/4 on N. face and raise a mound of
stone 2 ft. base 1 1/2 ft. high N. of cor.

No bearings available. Pits impracticable.

80.04 To cor. of secs. 28,29,32 & 33.

At this cor. at noon, I set off 10° 27' 30" N. on the
decl. arc. and observe the sun on the meridian.

The resulting lat. is 32° 10' N. ✓

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N. 0° 2' W. bet. secs. 28 & 29.

Over rolling land, through scattering mesquite.

40.00 Set a quartz stone 24x12x8 ins. 18 ins. in the ground
for 1/4 sec. cor. marked 1/4 on W. face, dig pits 18x18x12 ins.
N. & 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.

No bearings available.

80.00 Set a white quartz stone 24x12x8 ins. 18 ins. in the
ground for cor. of secs. 20,21,28 & 29 marked with 2
notches on S. & 4 notches on E. edges and raise a mound
of stone 2 ft. base 1 1/2 ft. high W. of cor.

No bearings available. Pits impracticable.

Land, rolling.

Soil, 2nd & 3rd rate, sandy, gravelly.

No timber.

Undergrowth, scattering mesquite tesseta., cacti.

Rolling land 80.00 chs.

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Subdivision of T. 14 S. R. 26 E.

Chains

S. 89° 53' E. on a random line bet. secs. 21 & 28.
40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. & S. line 7 lks. N. of cor. of secs.
21, 22, 27 & 28, whence I run

N. 89° 50' W. on a true line bet. secs. 21 & 28

Over rolling land in bottom of draw. desc. grad.

5.00 Enter dense mesquite, leave bottom, extends WNW.

40.00 Set a quartzite stone 24x12x8 ins. 18 ins. in the
ground for 1/4 sec. cor. marked 1/4 on N. face and raise a
mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor. dig
pits 18x18x12 ins. E. & W. of cor. 3 ft. dist.

No bearings available.

62.00 Dry wash 50 lks. wide, course WNW.

66.12 Road Willcox to Dos Cabezos, brs. NW. & SE.

74.50 Telephone line Willcox to Dos Cabezos, brs. NW. & SE.

80.00 To cor. of secs. 20, 21, 28 & 29

Land, rolling.

Soil, 2nd rate? gravelly, sandy.

No timber.

Undergrowth, dense mesquite, tesseta.

Rolling land covered with dense undergrowth, 80.00 chs.

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N. 0° 2' W. bet. secs. 20 & 21

Over gently rolling land, smooth and open.

3.00 Telephone line Willcox to Dos Cabezos, brs. NW. & SE.

4.95 Road " " " "

9.00 Wash 20 lks. wide, course NW.

25.00 Draw 5 chs. wide, course W. asc. grad.

40.00 Set a quartzite stone 24x12x8 ins. 18 ins. in the ground
for 1/4 sec. cor. marked 1/4 on W. face and raise a mound
of stone 2 ft. base 1 1/2 ft. high W. of cor.

No bearings available. Pits impracticable.

Thence through dense mesquite.

78.50 Old road, brs. NE. & SW.

79.50 Dry wash 15 lks. wide, course WSW.

80.00 Set a granite stone 24x15x10 ins. 18 ins. in the
ground for cor. of secs. 16, 17, 20 & 21, marked with
3 notches on S. & 4 notches on E. edges and dig pits
18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a
mound of stone covered with earth 4 ft. base 2 ft.
high W. of cor. No bearings available.

Land, rolling.

Soil, 2nd & 3rd rate, sandy, loamy.

No timber.

Undergrowth, mesquite, tesseta.

Rolling land 40.00 chs.

Rolling land covered with dense undergrowth 40.00 chs,

-----oooooooooooooooo-----

N. 0° 2' W. bet. secs. 16 & 17.

Over rolling land through dense mesquite.

7.00 Draw 2 chs. wide, course W.

14.80 Wash 30 lks. wide, course WSW.

40.00 Set a granite stone 20x12x8 ins. 15 ins. in the
ground for 1/4 sec. cor. marked 1/4 on W. face and dig pits
18x18x12 ins. N. & 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.

No bearings available.

49.00 Road, brs. NE. & SW.

53.00 Main wash 2 chs. wide, course WSW.

74.45 Wash 50 lks. wide, course WSW.

80.00 Set a quartzite stone 24x15x10 ins. 18 ins. in the
ground for cor. of secs. 8, 9, 16 & 17 marked with 4
Notches on S. & 4 notches on E. edges and raise a mound
Of stone covered with earth 4 ft. base 3 ft. high W. of
Cor. Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist.

No bearings available. Land, rolling. Soil, 2nd rate, sandy.

No timber. Undergrowth dense mesquite, tesseta. cacti.

Rolling land covered with dense undergrowth 80.00 chs.

April 17, 1909.

Subdivision of T. 14 S. R. 26 E.

Chains	
	<p>April 18, 1909. At 7h a.m., l.m.t., at the cor. of secs. 31, 32, 5 & 6 on S. bdy. of Tp. as recently established by me, I set off $10^{\circ} 45'$ N. on the decl. arc and $32^{\circ} 9' 30''$ N. on the lat. arc and determine a true meridian with the solar. Thence I run, N. $0^{\circ} 3'$ W. bet. secs. 31 & 32. Over rolling land, through dense mesquite.</p>
40.00	<p>Set a white quartz stone 20x12x8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face and dig pits 18x18x12 ins. N. & 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. No bearings available.</p>
43.00	<p>Draw 2 chs. wide, course WSW. asc. grad.</p>
80.00	<p>Set a Quartz stone 24x12x8 ins. 18 ins. in the ground for cor. of secs. 29, 30, 31 & 32. marked with 1 notch on S. & 5 notches on E. edges and dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of stone covered with earth 4 ft. base 2 ft. high W. of cor. No bearings available. Land, rolling. Soil, 2nd rate, sandy, gravelly. No timber. Undergrowth, dense mesquite, tesseta. Rolling land covered with dense undergrowth, 80.00 chs. -----oooooooooooooooo-----</p>
40.00	<p>S. $89^{\circ} 55'$ E. on a random line bet. secs. 29 & 32. Set temp $\frac{1}{4}$ sec. cor.</p>
80.06	<p>Intersect. N. & S. line 5 lks. N. of cor. of secs. 28, 29, 32 & 33, whence I run, N. $89^{\circ} 53'$ W. on a true line bet. secs. 29 & 32. Over rolling land, through dense mesquite brush. desc. grad.</p>
28.00	<p>Draw 2 chs. wide, course SW.</p>
40.03	<p>Set a quartzite stone 18x10x10 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, dig pits 18x18x12 ins. E. & 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. No bearings available.</p>
80.06	<p>To cor. of secs. 29, 30, 31 & 32. Land, rolling. Soil, 2nd rate, sandy, gravelly. No timber. Undergrowth, dense mesquite, tesseta. Rolling land covered with dense undergrowth, 80.06 chs. -----oooooooooooooooo-----</p>
40.00	<p>N. $89^{\circ} 55'$ W. on a random line bet. secs. 30 & 31. Set temp $\frac{1}{4}$ sec. cor.</p>
79.30	<p>Intersect W. bdy. of Tp. 7 lks. S. of cor. of secs. 30, 31 25 & 36 Whence I run, S. $89^{\circ} 52'$ E. on a true line bet. secs. 30 & 31. Over rolling land asc. grad. through dense mesquite.</p>
39.30	<p>Set a granite stone 20x12x6 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face and from which, A mesquite tree 4 ins. diam. brs. S. 29° W. 159 lks. dist. marked $\frac{1}{4}$ S. 31 B.T. No other bearings being available, I Dig pits 18x18x12 ins. E. & 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>
46.00	<p>Draw 80 lks. wide, course WSW.</p>
79.30	<p>To cor. of secs. 29, 30, 31 & 32. Land, rolling. Soil, 2nd & 3rd rate, sandy, loamy. No timber. Undergrowth, dense mesquite, tesseta. Rolling land covered with dense undergrowth, 79.30 chs. At this cor. at 11h 59' 50" a.m., l.m.t., I set off $10^{\circ} 49'$ N. on the decl. arc and observe the sun on the mer. The resulting lat. is $32^{\circ} 10' 30''$ N.</p>

Subdivision of T. 14 S. R. 26 E.

Chains

N. 0° 3' W. bet. secs. 29 & 30.
 Over rolling land, through dense mesquite.

21.00 Enter draw, course WSW.
 26.00 Leave draw, asc. grad.

40.00 Set a granite stone 20x10x8 ins. 15 ins. in the ground
 for 1/4 sec.cor. marked 1/4 on W. face and dig pits
 18x18x12 ins. N. & 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.
 No bearings available.
 Desc. grad. through scattering mesquite.

80.00 Set a quartzite stone 24x12x8 ins. 18 ins. in the ground
 for cor. of secs.19,20,29 & 30 marked with 2 notches on
 S. & 4 notches on E. edges , and 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.
 No bearings available.
 Land, rolling.
 Soil, 2nd rate, sandy, loamy, gravelly.
 No timber.
 Undergrowth, dense mesquite 1st 1/2 mile , tesseta.
 Rolling land covered with dense undergrowth 40.00 chs.
 Rolling land, ---- 40. 00 chs.
 -----oooooooooooooooo-----

The cor. of secs. 20,21,28 & 29 on which I have left a
 flag being plainly visible. I run,
 S. 89° 53' E. on a random line bet. secs. 20 & 29.

40.00 Set temp. 1/4 sec.cor.
 80.10 Intersect cor. of secs. 20,21,28 & 29, whence I run,
 N. 89° 53' W. on a true line bet. secs. 20 & 29.
 Over rolling land desc. grad. through scattering mesquite.

40.05 Set a granite stone 24x12x8 ins. 18 ins. in the ground
 for 1/4 sec.cor. marked 1/4 on N. face, dig pits 18x18x12
 ins. E. & 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.
 No bearings available.

80.10 To cor. of secs. 19,20,29 & 30.
 Land, rolling.
 Soil, 2nd rate, gravelly, sandy, loamy.
 No timber.
 Undergrowth, scattering mesquite, tesseta.
 Rolling land, 80.10 chs.
 -----oooooooooooooooo-----

N. 89° 52' W. on a random line bet. secs. 19 & 30.

40.00 Set temp. 1/4 sec.cor.
 79.38 Intersect W. bdy. of Tp. 9 lks. S. of cor.of secs,19,30,
 24 & 25, whence I run,
 S. 89° 48' E. on a true line bet. secs. 19 & 30.
 Over gently rolling land, asc. grad. through dense mesquite.

12.63 Wire fence, N. & S.
 39.38 Set a granite stone 20x12x10 ins. 15 ins. in the ground for
 1/4 sec.cor. marked 1/4 on N. face and raise a mound of
 earth 3 1/2 ft. base 1 1/2 ft. high N. of cor. Dig pits 18x18x
 12 ins. E. & W. of cor. 3 ft. dist.
 No bearings available.

56.19 Wire fence, brs. N. 2° W. & S. 2° E. corners 60 lks. S. and
 runs West from cor. Leave pasture. asc. grad.

79.38 To cor. of secs. 19,20,29 & 30.
 Land, rolling.
 Soil, 2nd rate, sandy, loamy.
 No timber.
 Undergrowth, dense mesquite, tesseta.
 Rolling land covered with dense undergrowth, 79.38 chs.
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Subdivision of T. 14 S. R. 26 E.

Chains N. 0° 3' W. bet. secs. 19 & 20.
 Over gently rolling land, through scattering mesquite.
 29.30 Telephone line Willcox to Dos Cabezos, brs. NW. & SE.
 39.10 Road " " " " " "
 39.40 Cor. of fence, runs N. & E. from cor. wire fence.
 40.00 Set a quartzite stone 24x12x8 ins. 18 ins. in the ground
 for 1/4 sec. cor. marked 1/4 on W. face and dig pits 18x18x12
 ins. N. & S. of cor. 3 ft. dist. and raise a mound of
 stone covered with earth 3 1/2 ft. base 2 ft. high W. of cor.
 No bearings available.
 60.75 Wash 30 lks. wide, course WSW. cross wire fence, brs. N. 1/2° W.
 & S. 1/2° E. Enter pasture of Chas. Roberts.
 80.00 Set a white quartz stone 24x10x10 ins. 18 ins. in the
 ground for cor. of secs. 17, 18, 19, & 20, marked with
 3 notches on S. & 5 notches 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.
 No bearings available.
 Land, rolling.
 Soil, 2nd rate, sandy, loamy. good native grass.
 No timber.
 Undergrowth, scattering mesquite, tesselata.
 Rolling land, 80.00 chs.
 April 18, 1909.
 -----0000000000000000-----

April 19, 1909
 At 7h a.m., 1.m.t., at the cor. of secs. 17, 18, 19, & 20,
 as above describe, I set off 11° 5' N. on the decl. arc
 and 32° 12' N. on the lat. arc and determine a true
 meridian with the solar.
 Thence I run,
 S. 89° 53' E. on a random line, bet. secs. 17 & 20,
 the cor. of secs. 16, 17, 20 & 21 on which I have left
 a flag being plainly visible.
 40.00 Set temp. 1/4 sec. cor. 1/2 lks. N. of
 80.12 Intersect cor. of secs. 16, 17, 20 & 21, whence I run,
 N. 89° 50' W. on a true line bet. secs. 17 & 20.
 Over smooth & open land, desc. grad.
 19.60 Wire fence, brs. N. & S. enter pasture of Chas. Roberts.
 Fence corners 1 chs. S. and runs West. from cor.
 40.06 Set a pine post 4 ins. sq. 3 ft. long 2 ft. in ground
 for 1/4 sec. cor. marked 1/4 S. 17 on N. & S. 20 on S. faces.
 Dig pits 18x18x12 ins. E. & W. 3 ft. dist. and raise a
 mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
 No bearings available.
 80.12 To cor. of secs. 17, 18, 19 & 20.
 Land, rolling. smooth & open.
 Soil 2nd rate, sandy, loamy.
 No timber.
 Undergrowth, few scattering mesquite. good native grass.
 Rolling land, smooth & open 80.12 chs.
 -----0000000000000000-----

N. 89° 48' W. on a random line bet. secs. 18 & 19.
 40.00 Set temp. 1/4 sec. cor.
 79.65 Intersect W. bdy. of Tp. 14 lks. S. of cor. of secs.
 18, 19, 13 & 24, whence I run,
 S. 89° 42' E. on a true line bet. secs. 18 & 19.
 Over level land, through dense mesquite:
 25.00 Road, brs. N. & S.
 39.65 Set a pine post 4 ins. sq. 3 ft. long 2 ft. in ground
 for 1/4 sec. cor. marked 1/4 S. 18 on N. face & S. 19 on S.
 face, dig pits 18x18x12 ins. E. & W. 3 ft. dist. and
 raise a mound of stone covered with earth 3 1/2 ft. base
 2 ft. high N. of cor.
 No bearings available. Thence ascend gradually.
 79.65 To cor. of secs. 17, 18, 19 & 20.
 Land, rolling. Soil, 2nd rate, sandy, loamy.
 No timber. Undergrowth, dense mesquite, for 75 chs.
 Rolling land covered with dense undergrowth 79.65 chs.

Subdivision of T. 14 S. R. 26 E.

Chains	
	N. 0° 3' W, bet . secs. 17 & 18. Over smooth and open land.
36.00	Tank and windmill of Chas. Roberts, brs. E. 1 ch.
39.32	Wire fence joins pasture fence and runs West.
40.00	Set a quartzite stone 24x15x10 ins. 18 ins. in the ground. for 1/4 sec.cor. marked 1/4 on W. face and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor. Dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist. N.W. cor. of house of Chas. Roberts, brs.S.33°E.175 lks. No bearings available. A wire fence nearly parallel to line is W. 27 lks. Thence still in pasture of Chas Roberts.
80.00	Set a white quartz stone 24x14x8 ins. 18 ins. in the ground for cor. of secs. 7,8,17 & 18, marked with 4 notches on S. & 5 notches on E. edges and dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of stone covered with earth 4 ft. base 2 1/2 ft. high W. of cor. North Windmill at ranch of Gus Moore brs. N. 58°30' W. No bearings available. Land nearly level, smooth & open. Soil, 2nd rate, sandy, loamy. No timber or undergrowth. Fine native grass. Smooth & open land 80.00 chs. -----o00000o000000-----
40.00	S. 89° 50' E. on a random line bet. secs.8 & 17. Set temp. 1/4 sec.cor.
80.10	Intersect. N. & S. line at point 5 lks. N. of cor. of secs. 8,9,17 & 18, whence I run, N. 89° 48' W. on a true line bet. secs. 8 & 17. Over smooth & open land desc. grad.
19.55	Wire fence ,brs. N. & S. enter pasture of Chas. Roberts.
40.05	Set a granite stone 24x15x10 ins. 18 ins. in the ground for 1/4 sec.cor. marked 1/4 on N. face, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist. and raise a mound of stone covered with earth 3 1/2 ft. base 2 ft. high N. of cor. No bearings available.
80.10	To cor. of secs. 7,8,17 & 18. Land, smooth & open. Soil, 2nd rate, sandy, loamy. No timber. Undergrowth, few scattering mesquite. Good native grass. Smooth & open land 80.10 chs. At this cor. at noon I set off 11° 11' N. on the decl. arc and observe the sun on the meridian. The resulting lat. is 32° 13' N. -----o00000o000000-----
40.00	N. 89° 42' W. on a random line bet. secs. 7 & 18. Set temp 1/4 sec.cor.
79.95	Intersect W. bdy. at cor. of secs. 7,18,12 & 13, whence I run, S. 89° 42' E. on a true line bet. secs. 7 & 18. Over level land through dense mesquite.
39.95	Set a granite stone 24x12x8 ins. 18 ins. in the ground for 1/4 sec.cor. marked 1/4 on N. face, dig pits 18x18x12 ins. E. & 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. North windmill at ranch of Gus Moore brs. N. 12° 07' W. No other bearings available.
79.35	Wire fence, brs. N. & S. leave dense mesquite.
79.95	To cor. of secs. 7,8,17 & 18. Land, rolling. Soil 2nd rate, sandy, loamy. No timber. Undergrowth, dense mesquite for 75 chs. Rolling land covered with dense undergrowth, 79.95 chs.

BOOK 2158 8

Subdivision of T. 14 S. R. 26 E.

Chains	N.0° 3' W. bet. secs. 7 & 8. Over gently rolling land, open.
2.50	Wire fence, brs. E. & W. corners 60 lks. W. and runs S. Leave pasture of Chas. Roberts.
20.95	Wash 15 lks. wide, course W.
40.00	Set a pine post 4x4 ins. 3 ft. long, 2 ft. in the ground for ¼ sec. cor. marked ¼ S. 7. on W. face and dig pits 18x18x12 ins N. & S. of cor. 3 ft. dist. and raise a mound of stone covered with earth 4 ft. base 2 ft. high W. of cor. No bearings available.
80.00	Set a pine post 4x6 ins. 3 ft. long set 2 ft. in ground marked, T. 14 S. S.5 on NE., R. 26 E. S.8 on SE., T. 14 S. S.7 on SW., and R. 26 E. S.6 on NW. faces with 5 notches on S. & 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. No bearings available. Land, rolling, smooth and open. Soil, 2nd & 3rd rate, sandy, gravelly. Timber, none. Undergrowth, scattering mesquite in places. Smooth and open land, 8000 chs. -----00000000000000-----
40.00	N. 89° 42' W. on a random line bet. secs. 6 & 7. Set temp. ¼ sec. cor.
80.10	Intersect W. bdy. 9 lks. N. of cor. of secs. 6, 7, 1 & 12, whence I run, S. 89° 46' E. on a true line bet. secs. 6 & 7.
40.10	Over gently rolling land asc. grad. through dense mesquite Set a pine post 4x4 ins. 3 ft. long 2 ft. in ground for ¼ sec. cor. marked ¼ S. 6 on N. face and S. 7 on S. face and dig pits 18x18x12 ins, E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor. No bearings available.
60.00	Leave dense mesquite, over open land, slightly rolling.
80.20	To cor. of secs. 5, 6, 7, & 8. Land rolling, Soil, 2nd rate, sandy. No timber. Undergrowth, dense mesquite, tesselata. Rolling land covered with dense undergrowth 60.00 chs. Rolling land,-----20.20 chs. -----00000000000000-----
40.00	N. 0° 3' W. North, on a random line bet. secs. 5 & 6. Set temp. ¼ sec. cor.
80.30	Intersect N. bdy. 35 lks. W. of cor. of secs. 5, 6, 31 & 32, whence I run, S. 0° 15' W. on a true line bet. secs. 5 & 6.
17.00	Over rolling land desc. grad. through scattering mesquite. wash 2 chs. wide, course SW.
25.45	Wash 20 lks. wide, course WSW.
32.80	Wash 20 lks. wide, course WSW.
40.30	Set a granite stone 24x12x8 ins. 18 ins. in the ground for ¼ sec. cor. marked ¼ on W. face and raise mound of earth 3½ ft. base 1½ ft. high W. of cor. Dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist. No bearings available.
45.00	Old road, brs. NE. & SW.
80.30	To cor. of secs. 5, 6, 7, & 8. Land, rolling. Soil, 2nd & 3rd rate, sandy, gravelly. No timber. Undergrowth, scattering mesquite. Rolling land 80.30 chs. Here I discontinue the subdivision of the Township. April 19, 1909.

Chains

In my surveys in the subdivision of this township, I was compelled to administer the preliminary and final oaths to my assistants as I employed them on the ground and great delay and expense would have been incurred to have appeared before a notary public or other officer duly qualified to administer oaths.

General Description.

This township includes every variety of land, from level plain or valley to rough and mountainous.

The soil also varies from the rich mountain loam in some of the higher parts to the sandy, or gravelly land in the lower land at the foot of the mountains, and also the clayey soil of the level plains, which has become impregnated with alkali.

There is but little water to be found in the Tp., only several small springs in the deep canyons in the eastern part of the Tp., and the wells that have been driven by the two settlers.

There is some oak and juniper timber in the higher parts of the eastern side of the Tp. but no timber of any description in the middle or western part. Most of the lowland is covered with dense mesquite brush some of which is attaining considerable size. There are indications of mining in nearly all of the mountainous parts of the Tp. but none of the mines or prospects are now being worked. The prospects or claims were worked for gold and copper. The rock formation is very broken and distorted, there being but little trace of any well defined strata, the formation being mostly limestone, granite, and porphyry.

There are two settlers in the Tp. Gus L. Moore in sec. 7 has built good substantial houses and corrals and pasture fence, erected two windmills with large water tanks, for watering stock. Chas. Roberts, in sec. 17, has also built a small house and erected a windmill and water tanks, and fenced in a large pasture, where feed many of the cattle of the surrounding country during the dry season. Neither of these settlers have made any attempt to cultivate any of the land as there is not sufficient water available to irrigate profitably. The lowlands of the township are mostly covered with a fine growth of native grass, where great quantities of good hay can be cut at proper seasons. The country is primarily a grazing and cattle country.

No authority for red ink corrections see deputy's letter May 1-1909.

Jesse B. Wright
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Jesse B. Wright

a, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

Frac. Subdivision of T. 14 S. R. 26 E.

showing the respective capacities in which they acted:

Walter Percival, Chainman.

Santiago Vindiola, Chainman.

Antonio Torres Jr., Moundman.

, Moundman.

Silvius Peratts, Axman.

, Axman.

Refugio Pacheco, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Jesse B. Wright

a, United States Deputy Surveyor, in surveying all those parts or portions of the

Subdivisions of T. 14 S. R. 26 E.

of the Gila & Salt River Base & meridian, Terr. of Arizona, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for Arizona

Walter Percival, Chainman.

Santiago Vindiola, Chainman.

Antonio Torres Jr., Moundman.

, Moundman.

Silvius Peratts, Axman.

, Axman.

Refugio Pacheco, Flagman.

Subscribed and sworn to before me this 19th

day of April, 1909

Jesse B. Wright
U.S. Dep. Surveyor



1133

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Jesse B. Wright, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for ARIZONA, bearing date of the 9th day of February, 1909, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ARIZONA, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivisions of T. 14 S. R. 26 E

of the Gila & Salt River Base & meridian, in the Terr. of ARIZONA, which are represented in the foregoing field notes as having been surveyed 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 United States Surveyor General for ARIZONA and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Jesse B. Wright
United States Deputy Surveyor.

Subscribed by said Jesse B. Wright, and sworn to before me }
this 20th day of April, 1909

Allan B. Jaynes

CLERK U. S. DISTRICT COURT FOR
FIRST JUDICIAL DISTRICT, ARIZONA.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Shawing, Ariz. Jan 20 1910
1909

The foregoing field notes of the survey of a portion of the subdivision
lines of T. 14 S. R. 26 E. Gila and Salt
River Base and Meridian, Arizona.

executed by Jesse B. Wright U.S. Deputy Surveyor
under his contract No. 154, dated February 9, 1909, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Frank S. Ingalls

United States 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.

United States Surveyor General.