

2157

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Book C.

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*Accepted, letter 8<sup>th</sup> May 4-1910*

BOOK 2157

# FIELD NOTES

2157

OF THE SURVEY OF THE

2157

Frac. East Boundary of T. 14 S. R. 26 E.

North " " " "

Re-survey of West " " " "

Re-survey of South " " " "

2157

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 11, 1909

Survey completed April 16, 1909

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BOOK 2157

NAMES AND DUTIES OF ASSISTANTS.

Walter Percival Chairman

Santiago Verdugo "

Antonio Ferrer Jr. Moundman

"

Severus Pirata Axeman

"

Refugio Pacheco Flagman

Book No 2157

BOOK 2157  
INDEX DIAGRAM.

Township 14 South Range 26 East

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Walter Percival and Santiago Vindicola  
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

Boundary lines of T. 14 S. R. 26 E.

Walter Percival, Chainman.  
Santiago Vindicola, Chainman.

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



Jesse B. Wright  
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

Boundary lines of T. 14 S. R. 26 E.

Antonio Torres, Moundman.  
Moundman.

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



Jesse B. Wright  
U. S. Dep. Surveyor

I, Silvio Perotto 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

Boundary lines of T. 14 S. R. 26 E.

Silvio Perotto, Axman.  
Axman.

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



Jesse B. Wright  
U. S. Dep. 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

Boundary lines of T. 14 S. R. 26 E.

Refugio Pacheco, Flagman.

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



Jesse B. Wright  
U. S. Dep. Surveyor

Frac. East Boundary of T. 14 S. R. 26 E.

Chains

Survey commenced April 11, 1909, and executed with a W. & L.E. Gurley 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, test, and adjust precisely the polar axis of the solar, and test the solar lenses and lines, the declination arc and hour circle, of the solar which I find to be correct.

Having all parts of my instrument in precise adjustment, I begin as per instructions at the Cor. of secs. 24, 25, 19 & 30 on E. bdy. which is a limestone 30x24x12 ins. well set, marked and witnessed as described by the Surveyor.

General. Latitude, 32° 11' 22" N.; Longitude, 109° 32' 47" W. At this cor. at noon, l.m.t., I set off 8° 18' N. on the decl. arc and observe the sun on the meridian. Obs. lat. is 32° 11' N.

Then at 3h p.m., l.m.t., in order to test the solar apparatus by comparing the results of observations on the sun made during a.m. & p.m. hours, with a true meridian determined by Polaris observations,

I set off 32° 11' N. on the lat. arc, and 8° 21' N. on the decl. arc and determine a meridian with the solar and mark the meridian thus determined by a tack in a stake driven in the ground 5 chs. N. of my station..

At 6h 04m, l.m.t., I observe polaris at Western elongation in accordance with instructions in the manual and mark the line thus determined by a cross on a fixed stone 5 chs. N. of My station.

April 12, 1909, at 7h a.m., l.m.t., I set of the azimuth of Polaris 1° 23' to the East, and mark the meridian thus determined by a tack in the stake 5 chs. N. of my station on which the meridian as given by Polaris falls 0.25 ins. East of the line given by the solar on preceding evening.

At 8 h a.m., l.m.t., I set off 32° 11' N. on the lat. arc and 8° 37' N. on the decl. arc and determine a meridian with the solar, and mark the meridian thus determined by a point on the stake 5 chs. N. of my station, which point coincides with the point given by Polaris observation.

The solar apparatus by p.m. & a.m. observations defines positions for meridians about 0° 13' W. and identical with respectively, of the meridian determined by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8h a.m., is N. 13° 20' W. ; the angle thus determined gives the magnetic declination 14° 20' East.

From the corner above described, I run as per instructions,

North on E. bdy. Sec. 24.

Over mts. land asc. along SE. slope of ridge. desc.

30.00 Top of ridge, brs. SW. & NE. cont. desc. along NW. slope.

35.50 Gulch 50 lks. wide, 50 ft. deep course SW. asc. steep.

40.00 Set a white quartz stone 24x15x10 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. No old cor. found.

47.00 Top of rise, thence along steep W. slope.

51.50 Wire fence, brs. SW. & NE. begin descent.

61.00 Main gulch 5 chs. wide 100 ft. deep, course SW. asc. prec.

76.00 Top of spur, brs. SW. & NE. thence along W. slope of same.

79.48 Old cor. of secs. 18, 19, 13 & 24 brs. E. 60 lks. dist. which I destroy.

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Frac. East Boundary of T. 14 S. R. 26 E.

Chains

- 80.00 Set a granite stone 30x15x10 ins. 24 ins. in the ground for cor. of sees. 13,24,18 & 19 marked with 3 notches on N. & S. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
No bearings available. Pits impracticable.  
Land mountainous.  
Soil, 2nd & 3rd rate. gravelly, stony.  
No timber.  
Undergrowth, scattering mesquite.  
Mountainous land exceptionally difficult to survey  
80.00 chs.  
-----ooooo0000ooooo-----
- North on E. bdy. Sec. 13.  
Over mts. land, desc. steep.
- 5.00 Gulch 50 lks. wide, 50 ft. deep, course SW. asc. precipitous.
- 40.00 Top of high Ridge, brs. WSW. & ENE.  
Set a granite 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.  
Desc. steep over very rocky ground.
- 52.00 Canyon 80 lks. wide 100 ft. deep, course W.  
Camp of C.A. Mining Co. brs. E. 12 chs., deserted.
- 70.00 A shaft house brs. East 4 chs.  
Another shaft house brs. W. 3 chs.
- 79.38 Top of high rocky ridge. course West and East. desc.
- 80.00 Set a limestone 30x15x10 ins. 24 ins. in the ground for cor. of sees. 12,13, 7 & 18, marked with 4 notches on S. & 2 notches on N. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
No bearings available. Pits impracticable.  
Summit of W. peak of Dos Cabezos peaks is E. about 1/2 mile.  
Land mts.  
Soil, Stony, 3rd rate.  
Timber, scattering oak, juniper.  
Undergrowth, mesquite, caeti.  
Mts. land exceptionally difficult to survey 80.00 chs.  
At this cor. at noon, I set off 8° 40' N. on the decl. arc and observe the sun on the meridian.  
The resulting lat. is 32° 13' N. ✓  
-----ooooo0000ooooo-----
- North on E. bdy. Sec. 12.  
Over mts. land desc. precipitous.
- 9.00 Canyon 80 lks. wide, 150 ft. deep, course W. asc. abrupt.
- 24.30 Top of rocky spur, brs. WSW. & ENE. desc. prec.
- 37.00 Main canyon 80 lks. wide, 200 ft. deep, course WSW. & EN.E. asc. prec.
- 40.00 Set a granite stone 24x15x6 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. from which, an oak tree 15 ins. diam. brs. N. 59° E. 114 lks. dist. marked 1/4 S. 7 B.T.  
No other bearings available.
- 50.00 Top of high spur brs. SW. & NE. desc. steep.
- 57.00 Head of gulch, brs. SW. asc. prec.
- 60.00 Top of main divide of Chiricahua mts., brs. E. & W. Desc. prec.
- 80.00 Set a limestone 24x12x8 ins. 18 ins. in the ground for Cor. of sees. 1,12,6 & 7 marked with 5 notches on S. & 1 notch on N. edges and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. from which, an oak tree 8 ins. diam. brs. N. 59 1/2° E. 63 lks. dist. marked T. 14 S. R. 27 E. S. 6. B.T.  
An oak tree 12 ins. diam. brs. S. 1° W. 104 lks. dist. marked T. 14 S. R. 26 E. S. 12 B.T.

Frac. East Boundary of T. 14 S. E. 26 E.

Chains	<p>An oak tree 12 ins. diam. brs. N. 51° W. 140 lks. dist. marked T. 14 S. R. 26 E. S. 1 B.T. No other bearings available. Land mts. Soil 2nd &amp; 3rd rate. stony. Timber, scattering oak and juniper. Undergrowth, oak, paloverde, cacti. Mts. land exceptionally difficult to survey 80.00 chs. April 12, 1909.</p> <p style="text-align: center;">-----o00000000000-----</p> <p>April 13, 1909 at 7h a.m. at the cor. above described I set off 8° 58' 30" N. on the decl. arc and 32° 14' N. on the lat. arc and determine a true meridian with the solar, which meridian agrees with my line of preceding day. Thence I run, North, on E. bdy. Sec. 1. Over mts. land, desc. prec.</p>
7.10	<p>Main canyon, called Gold Gulch, 2 chs. wide, 100 ft. deep, course NW. running water apparently permantly about 4 miners inches. A road in canyon goes to Mineral Park mine about 1/2 mile East, not working. Ascend precipitous.</p>
18.00	<p>Top of spur, brs. SW. &amp; NE. desc. steep.</p>
23.00	<p>Gulch 30 lks. wide, course WSW. Mouth of tunnel is 50 lks. W. Tunnel runs S. 50° W. 100 ft. Asc. prec.</p>
40.00	<p>Set a granite 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.</p>
41.00	<p>Head of gulch, course SW. asc. steep.</p>
44.00	<p>Top of high rocky spur brs. West. High peak on same is East about 1/2 mile. Desc. precipitous. along rocky NW. slope. of spur extending North.</p>
74.00	<p>Point of Spur, desc. abrupt. As the cor. of Tps. 13 &amp; 14 S. Rs. 26 &amp; 27 E. will fall an inaccessible point in canyon, at</p>
75.00	<p>At head of box canyon, course North, for witness Tp. cor. I Set a granite stone 30x18x12 ins. 6 ins. in the ground to bed rock, in mound of stone, and raise a mound of stone 2 ft. base 2 ft. high S. of cor. which I mark W.C. on NE. face with 6 notches on N., S., E., &amp; W. edges from which, an oak tree 6 ins. diam. brs. N. 30° E. 30 lks. dist. marked T. 14 S. R. 27 E. S. 1 W.C.B.T. An oak tree 6 ins. diam. brs. S. 3° E. 207 lks. dist. marked T. 14 S. R. 27 E. S. 2 W.C.B.T. A mound of stone on brink of canyon brs. E. 53 lks. dist. No other bearings available. Pits impracticable. At this cor. at noon I set off 9° 02' N. on the decl. arc and observe the sun on the meridian. The resulting lat. is 32° 15' N.</p>
80.00	<p>To cor. point in canyon. Cor. point of Tps. 13 &amp; 14 S. Rs. 26 &amp; 27 E.  Land mts. very rough. Soil, stony, 3rd rate. Timber, scattering oak, juniper. Undergrowth, oak, juniper, cedar, cacti. Mts. land covered with dense undergrowth and exceptionally difficult to survey, 80.00 chs.</p>

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North Boundary of T. 14 S. R. 26 E.

Chains. From the Witness cor. to Cor. of Tps. 13 & 14 S. Rs. 26 & 27 E. as just established by me, I run, West, on offset line 5 chs. Thence North, " " " 5 chs., to point, where I set a flag, being on random line West 3 chs. from true cor. pt. in canyon. Continuing this measurement, thence I run, setting temp. cor. at 40 & 80 chains, West on a random line, on North Boundary of T. 14 S. R. 26 E. At 6 miles, 00.30 chs., I intersect East Bdy. of T. 14 S. R. 25 E., but can find no trace of the Cor. of Tps. 13 & 14 S. Rs. 25 & 26 E. I set flag at this point. Hence I find it necessary to re-establish this cor. and proceed as follows. I find the  $\frac{1}{4}$  sec. cor. bet. secs. 1 & 6, which is an ~~and~~ old stake marked as described by the Surveyor General. The markings being almost obliterated and the original pits and mound destroyed, I re-establish this cor. at orig. position by setting a sandstone 24x12x8 ins. 18 ins. in the ground, for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face and dig pits 18x18x12 ins. N. & S. on line 3 ft. dist. and raise a mound of earth 5 ft. base 2 $\frac{1}{2}$  ft. high W. of cor. No bearings available. From this cor. I run, North, on a random line.

79.90 Find a granite stone 8x6 ins. x 5 ins. above ground, 14 lks. W. marked  $\frac{1}{4}$  on W. face. This evidently being the orig.  $\frac{1}{4}$  sec. cor. on E. bdy. Sec. 36 of T. 13 S. R. 25 E., from this cor. I run, S. 0° 06' E. on a true line On E. bdy. of Sec. 36 of T. 13 S. R. 25 E. Over rolling land, through dense mesquite.

39.95 I re-establish the cor. of Tps. 13 & 14 S. Rs. 25 & 26 E. by a limestone 30x12x10 ins. set. 24 ins. in the ground marked with 6 notches on N., S., E., & W. edges, and dig pits 24x24x12 ins. N. E., & W. 4 ft. and S. of stone 8 ft. dist. and raise a mound of earth 5 ft. base 2 $\frac{1}{2}$  ft. high S. of cor. No bearings available. Rolling land, dense mesquite 39.95 chs. ---ooOoo---

1.00 From this cor. above re-established and described, I run, S. 0° 06' E. on E. bdy. Sec. 1, T. 14 S. R. 25 E. Flag left at 6 mi. 00.30 chs. on random line of N. bdy. T. 14 S. R. 26 E. on line. Hence the true course of the N. bdy. of T. 14 S. R. 26 E. is S. 89° 53' E. Therefore from the Cor. of Tps. 13 & 14 S. Rs. 25 & 26 E. as re-established by me, I run, S. 89° 53' E. on a true line on N. bdy. sec. 6 Over rolling land, asc. grad.

40.30 Set a conglomerate stone 24x12x8 ins. 18 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face, dig pits 18x18x12 ins. E. & W. 3 ft. dist. and raise a mound of stone covered with earth 4 ft. base 2 ft. high N. of cor. No bearings available.

80.30 Set a blue granite stone 36x15x10 ins. 27 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked with 1 notch on W. & 5 notches on E. edges and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high W. of cor. No bearings available. Land, rolling gently. Soil, 2nd rate, sandy, loamy. No timber. Undergrowth, scattering mesquite. Rolling land, 80.30 chs.

April 13, 1909.



North Boundary of T. 14 S. R. 26 E.

Chains	<p>April 14, 1909. at 7<math>\frac{1}{2}</math> a.m., l.m.t., at the cor. of secs. 5, 6, 31 &amp; 32, I set off 9° 20' N. on the decl. arc and 32° 15' N. on the lat. arc and determine a true meridian with the solar. Thence I run, S. 89° 53' E. on N. bdy. Sec. 5.</p> <p>Over heavily rolling land, asc. through dense mesquite.</p>
40.00	<p>Set a sandstone 36x12x10 ins. 27 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. marked <math>\frac{1}{4}</math> on N. face, dig pits 18x18x12 ins. E. &amp; W. 3 ft. and raise a mound of stone covered with earth <math>3\frac{1}{2}</math> ft. base <math>1\frac{1}{2}</math> ft. high N. of cor. No bearings available.</p> <p>Thence over swale of large wash.</p>
46.00	<p>Wash 80 lks. wide, course SW.</p>
60.00	<p>Top of swale, extends SSE. &amp; SSW. desc. grad.</p>
79.60	<p>Gulch 20 lks. wide, 2 ft. deep, course S. asc.</p>
80.00	<p>Set a sandstone 30x15x10 ins. 8 ins. in ground to bedrock in mound of stone marked with 2 notches on W. &amp; 4 notches on E. edges, and raise a mound of stone 2 ft. base <math>1\frac{1}{2}</math> ft. high W. of cor. No bearings available. pits impracticable.</p> <p>Land, rolling. Soil, 3rd rate. stony, gravelly. No timber. Undergrowth, dense mesquite. Rolling land covered with dense undergrowth 80.00 chs.</p> <p>-----oooooooooooooooo-----</p>
	<p>S. 89° 53' E. on N. bdy. Sec. 4.</p> <p>Over mts. land asc.</p>
8.00	<p>Top of rocky spur, brs. SSW. &amp; NNE. desc. steep.</p>
17.00	<p>Gulch, 80 lks. wide, 30 ft. deep, course SSW.</p>
19.00	<p>Gulch 2 chs. wide, course SW. asc. along S. slope, of mtn.</p>
40.00	<p>Set a porphyry stone 30x18x10 ins. 24 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. marked <math>\frac{1}{4}</math> on N. face and raise a mound of stone 2 ft. base <math>1\frac{1}{2}</math> ft. high N. of cor. No bearings available. Pits impracticable. desc. grad.</p>
43.50	<p>Gulch 150 lks. wide, course SW. asc.</p>
48.00	<p>Begin steep asc.</p>
73.20	<p>Top of high rocky ridge, brs. SSW. &amp; NN.E. As cor. point will fall on steep perishable slope at this point for witness cor. to cor. of secs. 3, 4, 33 &amp; 34, I set a granite stone 30x18x12 ins. 14 ins. in the ground in mound of stone marked W.C. on NE. face with 3 notches on E. &amp; W. edges and raise a mound of stone 3 ft. base 2 ft. high W. of cor. No bearings available. Pits impracticable.</p>
80.00	<p>From this cor. desc. steep.</p> <p>To cor. point of secs. 3, 4, 33 &amp; 34. Land mts. Soil, Stony, gravelly, 2nd &amp; 3rd rate. Timber, scattering juniper, oak. Undergrowth, scrub oak, cacti. Mts. land exceptionally difficult to survey, 80.00 chs.</p> <p>-----oooooooooooooooo-----</p> <p>From true cor. pt. for cor. of secs. 3, 4, 33. and 34, S. 89° 53' E. on N. bdy. sec. 3.</p> <p>Over rough mts. land desc. steep.</p>
6.00	<p>Canyon 150 lks. wide, 50 ft. deep, course S. asc. prec.</p>
10.00	<p>Point of spur, brs. SW. &amp; NE. desc. prec.</p>
15.00	<p>Canyon 150 lks. wide, course SW. An ore chute is S. 8 chs. on E. side of canyon from which a wire transmission line runs NNE. about <math>\frac{1}{2}</math> mile to old mines. A road runs down on E. side of canyon from chute. Mine deserted. Asc. prec. NW. slope over very rough ground.</p>
30.00	<p>Top of bluff, cont asc.</p>
40.00	<p>Top of main divide, brs. N. 60° W. &amp; S. 60° E. Set a limestone 24x12x8 ins. 18 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. marked <math>\frac{1}{4}</math> on N. face and raise a md. of stone 2 ft. base <math>1\frac{1}{2}</math> ft. high N. of cor. No bearings available.</p>

North Boundary of T. 14 S. R. 26 E.

Chains

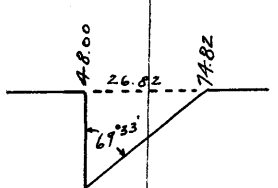
From this cor. desc. steep.  
 43.00 Edge of bluff faces NE. desc. abrupt 300 ft.  
 68.00 Foot of bluff, desc. steep.  
 72.00 Canyon 50 lks. wide, course N. asc. steep  
 80.00 N. End of spur extending North.  
 Set a sandstone 30x15x10 ins. 8 ins. in ground to bedrock & mound of stone around it for cor. of secs. 2,3, 34 & 35, marked with 4 notches on W. & 2 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 mts.  
 Soil, 3rd rate stony.  
 No timber.  
 Undergrowth, scrub oak, paloverde, cacti.  
 Mts. land exceptionally difficult to survey, 80.00 chs.

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S. 89° 53' E. on N. bdy. Sec. 2  
 Over mts. land descend,  
 8.50 Canyon 80 lks wide, course N: asc. steep.  
 15.00 Top of spur. brs. N. & S. desc. steep.  
 21.50 Canyon 80 lks. wide, course N. asc. prec.  
 27.00 Top of prec. asc. thence along N. slope.  
 36.00 Top of spur, brs. N. desc. prec.  
 40.00 Set a granite stone 30x18x10 ins. 8 ins. in the ground to bedrock in mound of stone 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.  
 (39.00) Gulch 20 lks. wide, course N: asc. prec.  
 44.00 Spur brs. N. & S. desc. steep.  
 49.50 Head of gulch, course NE. desc. prec.  
 68.00 Gulch 120 lks. wide, course NE. heads against divide 20 chs. SW. asc. steep.  
 72.00 Gulch 80 lks. wide, course NW. asc. prec.  
 80.00 Set a granite stone 24x12x8 ins. 18 ins. in the ground for cor. of secs. 1,2,35 & 36, marked with 5 notches on W. & 1 notch 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 mts.  
 Soil, 2nd & 3rd rate, gravelly stony.  
 Timber, scattering oak, juniper.  
 Undergrowth, scattering mesquite, scrub oak, cacti.  
 Mts. land exceptionally difficult to survey, 80.00 chs.

-----oooooooooooooooo-----

S. 89° 53' E. on N. bdy. sec. 1.  
 Over mts. land asc.  
 4.00 Top of main ridge, brs. N. & S. desc. over very, rough steep NE. slope.  
 26.00 Road, brs. N. & S.  
 28.00 Main canyon, 150 lks. wide, course N. running water.  
 31.00 Mouth of canyon from NE. asc. prec.  
 40.00 Set a granite stone 24x10x6 ins. 18 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.  
 48.00 Top of ridge, brs. N. & S. thence line descends over very rough ground over which it is impracticable to chain, so I set a flag on line on the ridge to the East across canyon. From the line to the flag I turn off an angle of 90° to the right and measure a base line of 10 chs., lining points accurately at 9 & 10 chs. on this base. At 9 chs. on this base the angle to flag is 71° 27', the tang. of which is 2.98, which multiplied by 9 chs. gives 26.82 chs. to flag. As a check; at 10 chs. on the base the angle to flag is 69° 33', the tang. of which is 2.6817, which multiplied by 10 chs. the base gives 26.817 chs. to E. flag., hence I conclude that my triangulations are correct. 26.82 chs. added to 48.00 chs.



North Boundary of T. 14 S. R. 26 E.

Chains	gives 74.82 chs. to E. flag. on line.
	At about,
62.00	Canyon 80 lks. wide, 200 ft. deep, course N. asc. prec.
74.82	To flag, triangulation point as above described.
	Top of ridge, brs. N. & S. Thence on same.
77.00	To flag left on random line 3 chs. from cor. point in
	canyon, which added to 77.00 chs. gives
80.00	To cor. point of Tps. 13 & 14 S. Rs. 26 & 27 E.
	Land mts.. very rough.
	Soil, Stony, 3rd rate.
	Timber, scattering oak, cedar, juniper.
	Undergrowth, scrub oak, mesquite, cacti.
	Mts. land exceptionally difficult to survey 80.00 chs.
	April 14, 1909.

Re-survey of West Boundary of T. 14 S. R. 26 E.

Chains Before beginning the subdivision of this Township I examine  
The line between Tps. 14 S. Rs. 25 & 26 E. which is an old  
line. I examine same carefully and find that most of the  
original small stakes with pits and mounds as corners  
have been destroyed and the markings on the remaining  
corners almost obliterated.  
Therefore, before I can close the subdivisional lines  
of T. 14 S. R. 26 E. on this line it is necessary to  
re-survey the entire west boundary and re-establish the  
lost and obliterated corners.  
April 15, 1909.  
I begin at the Corner of Tps. 14 & 15 S. Rs. 25 & 26  
E. Which is a pine post 4 ins. sq. marked T. 14 S. S. 31  
on NE., R. 26 E. S. 6 on SE., T. 15 S. S. 1 on SW. &  
E. 25 E. S. 36 on NW. faces with 6 notches on N., S., E., &  
W. edges, with remains of pits. A small stake is SE. of  
cor., markings obliterated.  
As the cor. post is in good state of preservation I  
re-mark this cor. as above given and dig pits  
24x24x12 ins. on each line E., W., & N. 4 ft. & S. of cor.  
8 ft. dist. and raise a mound of earth 5 ft. base 2½ ft.  
high S. of cor. from which,  
A mesquite tree 4 ins. diam. brs. S. 19½° E. 22 lks. dist.  
which I blaze and mark T. 15 S. R. 26 E. S. 6 B.T.  
No other bearings available.  
At this cor. at 7h a.m., l.m.t., I set off 9° 42' 00" N.  
on the decl. arc and 32° 9' 30" N. on the lat. arc and  
determine a true meridian with the solar,  
Thence I run,  
North on random line, bet. secs. 31 & 36.  
Var. 13° 20' E.  
39.95 Remains of old ¼ sec. cor. brs. W. 5 lks. dist.  
From which I run,  
North,  
40.18 Old cor. of secs. 30, 31, 25 & 36 brs. W. 5 lks. dist.  
pits. & mound destroyed.  
From this cor. I run,  
North, on ran dom line, bet. secs. 30 & 25.  
40.20 Remains of old decayed stake ¼ sec. cor. brs. W. 15 lks.  
from which I run,  
North,  
39.93 Old cor. of secs. 19, 30, 24 & 25 brs. W. 15 lks.  
markings illegible.  
From this old cor. I run,  
North on random line bet. secs. 19 & 24.  
40.26 Find old ¼ sec. cor. 15 lks. W. plainly marked.  
pits & mound destroyed.  
From this old ¼ sec. cor. I run,  
North on random line.  
40.00 No sign of old cor. found. Set temp cor. and run  
North on random line bet. secs. 18 & 13.  
40.00 No sign of old cor. found, set temp. ¼ sec. cor. and cont.  
80.00 No sign of old cor. found after diligent search.  
I set temp cor. and run thence  
North, on random line bet. secs. 7 & 12.  
40.16 Find old ¼ sec. cor. 27 lks. E. which is an old stake  
2 ins sq. marked as described by the Surveyor General.  
From this cor. I run North on random line.  
39.90 Find remains of old cor. of secs. 6, 7, 1 & 12, 3½ lks. W.  
of line.  
Thence I run,  
North on random line bet. secs. 6 & 1.  
40.17 The ¼ sec. cor. as re-established by me on Apr. 13, is W.  
9 lks. dist.  
From which I run,  
N. 0°, 06' W. on true course to cor. which is plainly  
visible after clearing line.  
39.95 To cor. of Tps. 13 & 14 S. Rs. 25 & 26 E. as re-established  
by me on Apr. 13, 1909.  
Cor. described in field notes of N. bdy. of T. 14 S. R. 26 E

Re-survey of West. Boundary of T. 14 S. R. 26 E.

Chains

From my random line on the W. bdy. of Tp. I deduce the true courses and distances for re-establishing the lost and obliterated corners on the W. bdy. of Tp. in accordance with instructions and regulations pertaining thereto.

Therefore from the Cor. of Tps. 13 & 14 S. Rs. 25 & 26 E. as re-established by me and described in my field notes of the North bdy. of Tp., I run on true lines as follows: S. 0° 6' E. bet. secs. 6 & 1. Var. 13° 20' E.

Over rolling land, through dense mesquite.

35.00

Trace of draw 2 chs. wide; course W.S.W.

39.95

1/4 sec. cor. on line as re-established by me on April 13, and described in field notes of the N. bdy. of Tp.

From this cor. I run, S. 0° 8' E. on true line.

40.17

Old cor. of secs. 6,7,1 & 12 on line which I destroy and in orig position set a Limestone 24x12x6 ins. 18 ins. in the ground for cor. of secs. 6,7,1 & 12, marked with 1 notch on N. & 5 notches on S. edges, from which a mesquite tree 6 ins. diam. brs. N. 52° E. 80 lks. dist. marked T. 14 S. R. 26 E. S. 6 B.T.

No other bearings being available,

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

Land rolling,

Soil, 2nd rate, sandy, loamy.

No timber.

Undergrowth, dense mesquite, requiring clearing of entire line.

Rolling land covered with dense undergrowth and exceptionally difficult to survey, 80.12 chs.

-----oooooooooooooooo-----

S. 0° 3' E. on true line bet. secs. 7 & 12.

Over rolling land, through dense mesquite.

32.00

Trace of draw 2 chs. wide, course W.

39.90

To remains of orig. 1/4 sec. cor. which I destroy and in orig. position of cor. I

Set a pine post 10x10 ins. x 5 ft. long set firmly

30 ins. in ground marked 1/4 S. 12 on W. face and S. 7

on E. face, dig pits 18x18x12 ins. N. & S. 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.

From this cor. a wire fence runs N. 89° 58' W. on the true sec. line to the west on which is a flag plainly visible. Another wire fence runs S. 1° W.

A wire fence runs S. 7 1/2° E. to ranch house and corral of Gus L. Moore, 34 chs. dist.

From this cor. I run, on true line

S. 0° 6' E.

35.00

House of James Brown brs. W. 5 chs. dist.

39.80

Wire fence; brs. N: 55° E. & S: 55° W. 2 chs. to fence cor.

40.04

Set a granite stone 24x12x8 ins. 18 ins. in the ground for cor. of secs. 7,18,12 & 13, marked with 2 notches on N. & 4 notches on S. 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, or level.

Soil, 2nd rate, sandy, loamy. fine grass.

No timber.

Undergrowth, dense mesquite, tesseta.

Rolling or level land covered with dense undergrowth, 79.94 chs.

At this cor. at noon., l.m.t., there being no equation of time on this date, I set off 9° 45' N. on the decl. arc & observe the sun on the mer. Resulting lat. is 32° 13' N.

## Re-survey, West Boundary of T. 14 S. R. 26 E.

Chains	
	S. 0° 6' E. on true line bet. secs. 18 & 13. Over rolling or level land, thro' dense mesquite.
6.00	Ranch house of Augustus Brown is W. 7 chs.
40.04	Set a pine post 4x4 ins. 3 ft. long 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 13 on W. & S. 18 on E. faces Dig pits 18x18x12 ins. N. & S. 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.
80.08	Set a pine post 4 ins. sq. 3 ft. long 24 ins. in the ground for cor. of secs. 13, 18, 19 & 24, marked with 3 notches on N. & S. edges and T. 14 S. S. 18 on NE., R. 26 E. S. 19 on SE., T. 14 S. S. 24 on SW., & R. 25 E. S. 13 on NW. faces. 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. No bearings available. Land, rolling, or level. Soil, 2nd & 3rd rate, sandy, clayey, loamy. No timber. Undergrowth, dense mesquite, tesseta., native grass. Rolling or level land covered with dense undergrowth 80.08 chs. -----oooooooooooooooo-----
	S. 0° 6' E. on true line, bet. secs. 19 & 24. Over level land through dense mesquite & tesseta.
12.75	Road, Willcox to Dos Cabezas, brs. NW. & SE.
23.63	Telephone line, Willcox to Dos Cabezas, brs. NW. & SE.
40.04	To orig. $\frac{1}{4}$ sec. cor. which is a stake 2 ins. sq. marked as described by the Surveyor General. This old cor. I destroy and in orig. position I Set a pine post 4 ins. sq. 3 ft. long 2 ft. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 24 on W. and S. 19 on E. faces, from which, a mesquite tree 4 ins. diam. brs. S. 46 $\frac{1}{2}$ ° E. 134 lks. dist. marked $\frac{1}{4}$ S. 19 B.T. a mesquite tree 4 ins. diam. brs. N. 59 $\frac{1}{2}$ ° W. 50 lks. dist. marked $\frac{1}{4}$ S. 24 B.T. From this cor. I run on true line, S. 0° 13' E.
20.00	Wash, 30, lks. wide, course WSW.
22.67	Wire fence, brs. E. & W.
26.65	Wire fence brs. S. 76° E. & N. 76° W.
27.50	House of Roy Wiley brs. W. 4 chs. dist.
40.26	To orig. cor. of secs. 19, 30, 24 & 25, wich is a small decayed stake with faint remains of pits. This old cor. I destroy and in orig. position I Set a pine post 4 ins. sq. 3 ft. long set 2 ft. in ground for cor. of secs. 19, 30, 24 & 25, marked with 4 notches on N. & 2 notches on S. edges and T. 14 S. S. 19 on NE. R. 26 E. S. 30 on SE. T. 14 S. S. 25 on SW., and R. 25 E. S. 24 on NW. faces, from which, A mesquite tree 6 ins. diam. brs. S. 61° W. 47 lks. dist. marked T. 14 S. R. 25 E. S. 25 B.T. No other bearings being available I dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. & raise a mound of earth 4 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Land level or slightly rolling. Soil 1st & 2nd rate. No timber. Undergrowth, dense mesquite, tesseta. good native grass. Rolling or level land covered with dense undergrowth, 80.30 chs.

## West Boundary of T. 14 S. R. 26 E.

Chains	
4.44 39.93	<p>S. 0° 13' E. on true line bet. secs. 30 &amp; 25 Over level land, through very dense mesquite. Wire fence, brs. E. &amp; W. To old <math>\frac{1}{4}</math> sec. cor., a stake badly decayed. which I destroy and in orig. position I Set a pine post 4 ins. sq. 3 ft. long set 2 ft. in ground marked <math>\frac{1}{4}</math> S. 25 on W. &amp; S. 30 on E. faces from which, a mesquite tree 6 ins. diam. brs. N. 58° E. 135 lks. dist. marked <math>\frac{1}{4}</math> S. 30 B.T. A mesquite tree 6 ins. diam. brs. S. 81° W. 74 lks. dist. marked <math>\frac{1}{4}</math> S. 25 B.T. To old cor. of secs. 25, 30, 31 &amp; 36, which is a stake 2 ins. sq. badly decayed, marked as described by the Surveyor General. This old cor. I destroy and in orig. position, I Set a juniper post 4 ins. diam. flattened on four faces, post. 3 ft. long set 2 ft. in ground for cor. of secs. 25, 30, 31 &amp; 36, marked with 5 notches on N. &amp; 1 notch on S. edges, and T. 14 S. S. 30 on NE., R. 26 E. S. 31 on SE., T. 14 S. S. 36 on SW., and R. 25 E. S. 25 on NW. faces, from which, A mesquite tree 6 ins. diam. brs. N. 29° E. 249 lks. dist. marked T. 14 S. R. 26 E. S. 30 B.T. A mesquite tree 6 ins. diam. brs. S. 53° E. 214 lks. dist. marked T. 14 S. R. 26 E. S. 31 B.T. A mesquite tree 6 ins. diam. brs. S. 16<math>\frac{1}{2}</math>° W. 158 lks. dist. marked T. 14 S. R. 25 E. S. 36 B.T. A mesquite tree 4 ins. diam. brs. N. 14° W. 117 lks. dist. marked T. 14 S. R. 25 E. S. 25 B.T. Land level., slopes gently to West. Wire fence runs W. &amp; S. from cor. Soil, 2nd rate, sandy, clayey, loamy. No timber. Undergrowth, dense mesquite, tesseta. Level land covered with dense undergrowth and exceptionally difficult to survey, 80.13 chs. -----oooooooooooooooo-----</p>
26.60 40.18	<p>S. 0° 4' E. on true line bet. secs. 31 &amp; 36. Over level land through dense mesquite &amp; tesseta. Wire fence, brs. E. &amp; W., enter pasture of Wm. Riggs. Remains of old <math>\frac{1}{4}</math> sec. cor. which I destroy and in orig. position I Set a pine post 4 ins. sq. 3 ft. long set 2 ft. in ground for <math>\frac{1}{4}</math> sec. cor. marked <math>\frac{1}{4}</math> S. 36 on W. &amp; S. 31 on E. faces, from which, A mesquite tree 4 ins. diam. brs. S. 77° E. 71 lks. dist. marked <math>\frac{1}{4}</math> S. 31 B.T. A mesquite tree 4 ins. diam. brs. N. 48° W. 155 lks. dist. marked <math>\frac{1}{4}</math> S. 36 B.T.</p>
46.00 61.18	<p>Draw 3 chs. wide, course SW. Wire fence, brs. S. 58° W. &amp; N. 58° E. North Windmill at 202 Ranch brs. S. 56° 50' W. about <math>\frac{1}{2}</math> mile.</p>
80.13	<p>To cor. of Tps. 14 &amp; 15 S. Rs. 25 &amp; 26 E. Land level or gently rolling. Soil, 2nd rate, sandy, loamy. No timber. Undergrowth, Dense mesquite &amp; tesseta. Level or gently rolling land covered with dense undergrowth, and exceptionally difficult to survey 80.13 chs.</p>

April 15, 1909.

Re-survey of S. Boundary of T. 14 S. R. 26 E.

Chains

April 16, 1909.  
 Before proceeding with the subdivision of this Tp. I examine carefully the line of the South Boundary. This is an old line on which the corners are nearly all destroyed and the remaining traces of corners almost impossible to find and identify. Therefore before beginning the subdivision of the Tp. it is necessary to re-survey the South Boundary on which the subdivision is based. ~~As~~ T. 15 S. R. 26 E. has not been subdivided, in my re-survey of this line I destroy all traces of the original corners and establish corners at intervals of 40.00 & 80.00 chs. on line Westerly from the cor. of Tps. 14 & 15 S. Rs. 26 & 27 E.

At 8 h. a.m., I set, at the cor. of Tps. 14 & 15 S. Rs. 26 & 27 E., which is a limestone 10x6 ins. x 5 ins. above ground marked with 6 notches on N. E. & W. edges with mound of stone 3 ft. base 2 ft. high N. of cor.

I examine again and test carefully the adjustments of my transit and solar apparatus and find same correct. Then I set off 10° 03' N. on the decl. arc and 32° 9' 30" N. on the lat. arc and determine a true meridian with the solar.

Thence I run,

West on a random line on South boundary of Tp. setting temp. ¼ sec. cors. and sec. cors. at intervals of 40.00 & 80.00 chs.

At 5 miles, 79.20 chs. I intersect the W. bdy. of Tp. 70 lks. S. of cor. of Tps. 14 & 15 S. Ra. 25 & 26 E.,

Whence I run,

S. 89° 55' E. on a true line on S. bdy. of Tp. bet. secs. 31 & 6.

Over rolling land, through dense mesquite. asc. grad.

39.16 Faint remains of old ¼ sec. cor. on line which I destroy.

39.20 Set a white quartz stone 20x12x10 ins. 15 ins. in the ground for ¼ sec. cor. marked ¼ on N. face and dig pits 18x18x12 ins. E. & W. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.

No bearings available.

79.20 Set a White quartz stone 30x15x12 ins. 24 ins. in the ground for cor. of secs. 31, 32, 5 & 6, marked with 1 notch on W. & 5 notches on E. edges and raise a mound of stone covered with earth 4 ft. base 2 ft. high W. of cor. dig pits 18x18x12 ins. in each sec. 5½ ft. dist.

No bearings available. No sign of old cor. found.

Land, rolling.

Soil, 2nd rate, sandy, gravelly.

No timber.

Undergrowth, dense mesquite.

Rolling land covered with dense undergrowth, 79.20 chs.

-----oooooooooooooooo-----

S. 89° 55' E. on true line bet. secs. 32 & 5.

Over rolling land asc. grad. through scattering mesquite.

39.96 Old decayed stake on line, only sign of cor. found after diligent search, which I destroy.

40.00 Set a quartzite stone 24x12x8 ins. 18 ins. in the ground for ¼ sec. cor. marked ¼ on N. face and dig pits 18x18x12 ins. E. & W. 3 ft. dist. and raise a mound of stone covered with earth 3½ ft. base 2 ft. high N. of cor.

No bearings available.

79.92 Old stake on line markings obliterated, which I destroy.

80.00 Set a quartz stone 24x15x10 ins. 18 ins. in the ground for cor. of secs. 32, 33, 4 & 5, marked with 2 notches on W. & 4 notches on E. edges and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. No bearings available. Land, rolling. Soil, Sandy, gravelly, 2nd & 3rd rate.

No timber. Undergrowth, scattering mesquite.

Rolling land 80.00 chs. At this cor. at noon, I set off 10° 7' N. on the decl. arc & obs. sun on the mer. Obs. lat. is 32.10° N.



## Re-survey of South Boundary of T. 14 S. R. 26 E.

Chains	S. 89° 55' E. on S. bdy. bet. secs. 33 & 4 Over rolling land asc. grad. through dense mesquite undergrowth.
40.00	remains of old $\frac{1}{4}$ sec. cor. on line, which I destroy, Set a quartzite stone 24x12x8 ins. 18 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. No bearings available. Pits impracticable.
55.00	Old road, brs. NE. & SW.
80.00	Set a granite stone 30x15x10 ins. 24 ins. in the ground for cor. of secs. 33, 34, 3 & 4, marked with 3 notches on E. & W. edges and raise a mound of stone covered with earth 4 ft. base 2 ft. high W. of cor. Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. No bearings available. No sign of old cor. found after diligent search. Land, rolling, Soil, 3rd rate, gravelly. No timber. Undergrowth, dense mesquite, cacti. Rolling land covered with dense undergrowth, 80.00 chs. -----oooooooooooooooo-----
	S. 89° 55' E. bet. secs. 34 & 3. Over rolling land, through dense mesquite brush.
20.00	Draw 2 chs. wide, course SW. asc. grad.
40.00	Set a granite stone 24x12x8 ins. 18 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face and dig pits 18x18x12 ins. E. & W. 3 ft. dist. and raise a mound of stone covered with earth $3\frac{1}{2}$ ft. base 2 ft. high N. of cor.
40.05	Old $\frac{1}{4}$ sec. cor. brs. N. 20 lks. dist. which I destroy.
68.00	Main wash from mountains, 80 chs. wide, course SW. asc.
80.00	Set a quartzite stone 24x15x12 ins. 18 ins. in the ground for cor. of secs. 34, 35, 2 & 3, marked with 4 notches on W. & 2 notches on E. edges and raise a mound of stone 3 ft. base 2 ft. high W. of cor. No bearings available. Pits impracticable. Old cor. brs. N. 20 lks. dist. which I destroy. Land, rolling. Soil, 2nd & 3rd rate, sandy gravelly. No timber. Undergrowth, dense mesquite, tesseta, cacti. Rolling land covered with dense undergrowth, 80.00 chs. -----oooooooooooooooo-----
	S. 89° 55' E. bet. secs. 35 & 2. Over mts. land asc. steep along NW. slope of ridge.
25.00	Top of high ridge, brs. SW. & NE. desc. steep along SE. slope.
40.00	Set a granite stone 24x12x8 ins. 18 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. No bearings available. Pits impracticable. Desc. through dense mesquite.
69.00	Main Gulch 2 chs. wide, 50 ft. deep, course SW. asc.
75.00	Point of ridge, brs. SW. & NE. Thence along S. slope.
79.90	Find remains of mound of stone which I destroy. No other sign of old cor. found.
80.00	Set a limestone 24x12x6 ins. 18 ins. in the ground for cor. of secs. 35, 36, 1 & 2, marked with 5 notches on W. & 1 notch on E. edges and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available. Pits impracticable. Land mts. Soil, 2nd & 3rd rate, gravelly, stony. No timber. Undergrowth, dense mesquite, last $\frac{1}{2}$ mile. Mountainous land or land covered with dense undergrowth and exceptionally difficult to survey, 80.00 chs.

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Re-survey of South Boundary of T. 14 S. R. 26 E.

Chains  
 S. 89° 55' E. bet. secs. 36 & 1.  
 Over mts. land desc.  
 8.30 Gulch 80 lks. wide, 50 ft. deep, course SW. asc. along NW. slope of ridge.  
 35.00 Top of ridge, brs. SW. & NE. desc.  
 40.00 Set a quartzite stone 24x12x10 ins. 18 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. This cor. was established at identical point where remains of old 1/4 sec. cor. were found, being a dilapidated mound of stone with No marked stone.  
 42.00 Gulch 150 lks. wide, 30 ft. deep, course SW. asc. NW. slope of ridge.  
 59.40 Wire fence, brs. N. 80° W. & S. 80° E.  
 75.00 Top of ridge, brs. WSW. & ENE. desc. grad.  
 77.00 Wire fence, brs. N. 80° E. & S. 80° W.  
 80.00 To cor. of Tps. 14 & 15 S. Rs. 26 & 27 E. heretofore described.  
 Land, Mts.  
 Soil, gravelly, stony, 2nd & 3rd rate.  
 No timber.  
 Undergrowth, Scattering mesquite, tesseta, cacti.  
 Mountainous land exceptionally difficult to survey, 80.00 chs.  
 April 16, 1909.

Boundaries of T. 14 S. R. 26 E.  
 Latitudes, Departures and closing errors.

Line designated	True bearing	Distance.	Latitudes.		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
S. Bdy.	N. 89° 55' W.	479.20	.70			479.20
W. Bdy.	N. 0° 4' W.	80.13	80.13			.09
	N. 0° 13' W.	120.39	120.39			.46
	N. 0° 6' W.	160.16	160.16			.28
	N. 0° 3' W.	39.90	39.90			.03
	N. 0° 8' W.	40.17	40.17			.09
	N. 0° 6' W.	39.95	39.95			.07
N. Bdy.	S. 89° 53' E.	480.30		1.00	480.30	
E. Bdy.	South	480.00		480.00		
	Convergency				.46	
			481.40	481.00	480.36	480.22
			481.00		480.22	
	Error in lat.		.40	Error in dep.	.54	

General Description.

The East boundary of this Tp. passes over very rough mts. land, crossing the ridges that emanate from the main peaks of Dos Cabezos. The canyons are deep and with almost precipitous walls.  
 The line of the North boundary is very rough for the East four miles, descending into the valley the west two miles. There is water in several of the canyons on the E. & S. boundaries.  
 The west boundary passes through dense mesquite undergrowth, in a smooth, valley.  
 The soil on this line is very fertile but very little water can be found and made available for irrigation.  
 The S. bdy. passes over a gently rolling country ascending gradually to the East, the last two miles on the East being rough and mountainous.  
 In the survey of these lines, I was compelled to administer the preliminary and final oaths to my assistants,

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

as I employed most of them on the ground nearest my work, and great delay and expense would have been incurred to have appeared before a notary public or other officer duly qualified to administer the necessary oaths.

April 16, 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 \_\_\_\_\_

Boundary lines 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.

Silverio Peralt \_\_\_\_\_, 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 \_\_\_\_\_

Boundary lines 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.

\_\_\_\_\_, Moundman.

Antonio Torres Jr. \_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

Silverio Peralt \_\_\_\_\_, Axman.

Refugio Pacheco \_\_\_\_\_, Flagman.

Subscribed and sworn to before me this 16th

day of April, 1907



Jesse B. Wright  
U. S. Deputy Surveyor

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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

Boundary lines of J. 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,

Phoenix, Ariz. July 25, 1909/1910

The foregoing field notes of the survey of the North and portion of the East Boundary and survey of the South and West Boundaries J. 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.