

2172

4-679.

Accepted, Dept. letter E. May 7-1910
3.1.1910

Book C.

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BOOK 2172

FIELD NOTES

2172

OF THE SURVEY OF THE

2172

subdivision of T. 15 S. R. 28 E.

2172

Of the Gila and Salt River Base and Meridian,
Arizona.

AS SURVEYED BY

Jesse E. Wright, United States Deputy Surveyor,

Under his Contract No. 159, dated June 4, 19 09

Survey commenced August 5, 19 09

Survey completed August 7, 19 09

6-151

2172

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1A

BOOK 2172
NAMES AND DUTIES OF ASSISTANTS.

Edgar M. Darnall,..... Chairman.

Santiago Vindiola,.....Chairman.

Guadalupe Pacheco,..... Moundman.

Silverio Peralto,..... Axeman.

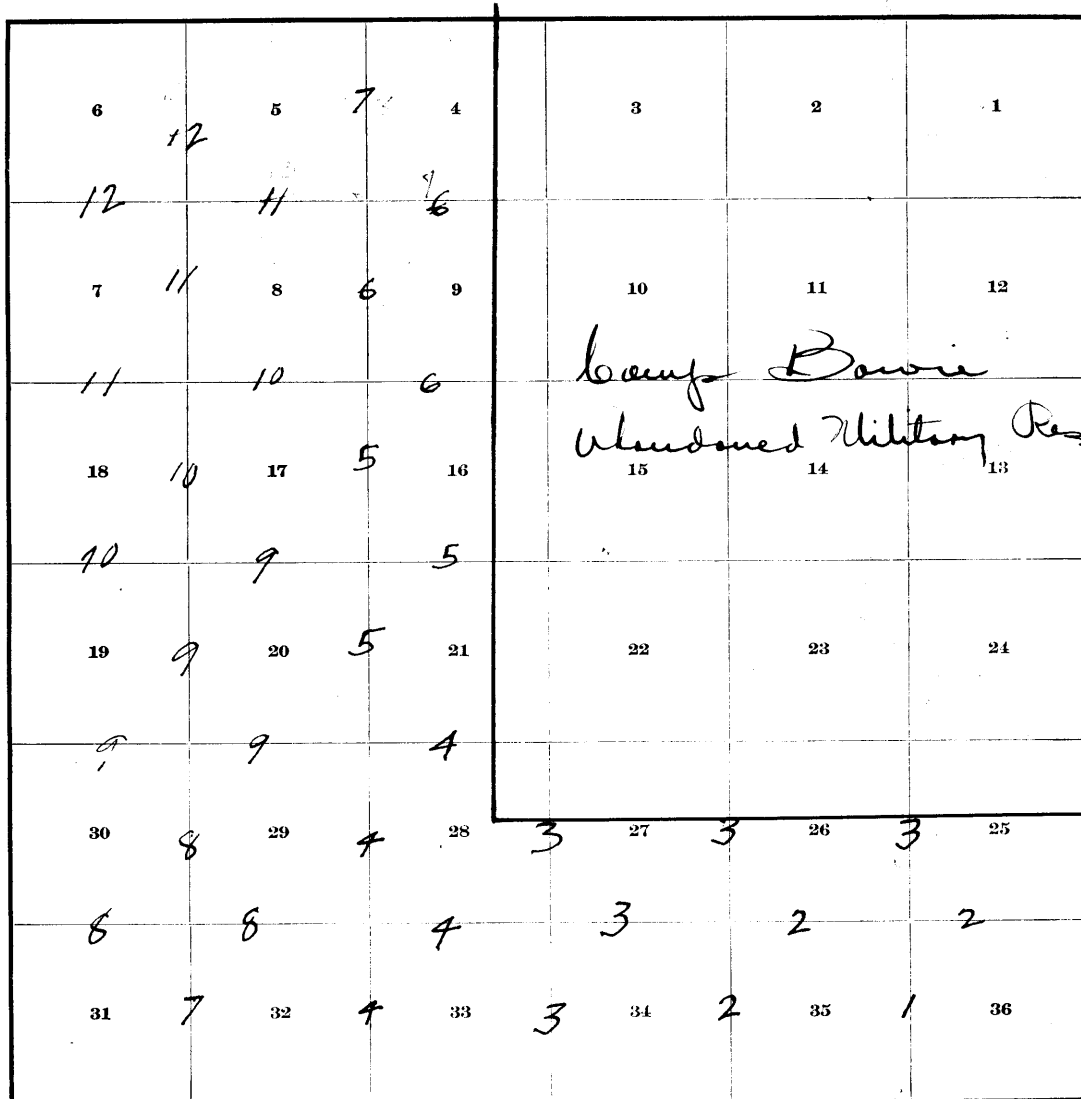
Manvel Vindiola,..... Flagman.

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BOOK 2172

INDEX DIAGRAM.

Township 15 South, Range 28 East.



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, Edgar M. Darnall 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
Subdivision of T. 15 S. R. 28 E.

Edgar M. Darnall, Chainman.
Santiago Vindiola, Chainman.

Subscribed and sworn to before me this 2nd
day of August, 1909

My commission expires August 11, 1909

J. H. Pennington
Notary Public

WE, Guadalupe Pacheco 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
Subdivision of T. 15 S. R. 28 E.

Guadalupe Pacheco, Moundman.
Moundman.

Subscribed and sworn to before me this 2nd
day of August, 1909

My commission expires August 11, 1909

J. H. Pennington
Notary Public

WE, J. Silverio Peralta 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
Subdivision of T. 15 S. R. 28 E.

Silverio Peralta, Axman.
Axman.

Subscribed and sworn to before me this 2nd
day of August, 1909

My commission expires August 11, 1909

J. H. Pennington
Notary Public

I, Manuel Vindiola, 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
Subdivision of T. 15 S. R. 28 E.

Manuel Vindiola, Flagman.

Subscribed and sworn to before me this 2nd
day of August, 1909

My commission expires August 11, 1909

J. H. Pennington
Notary Public

Subdivision of T. 15 S. R. 28 E.

Chains

Survey commenced August 3, 1909, and executed with a Young & Son's light mountain transit No. 6492, with Smith patent solar attachment on side.

The horizontal limb of the instrument is provided with two double verniers, placed opposite to each other, and each reading to 1' of arc, which is also the least reading of the verniers of the latitude and declination arcs.

I examine and test carefully the levels, the line of collimation, and standards of the instrument, and find same correct.

Then, to test the solar apparatus by comparing the results of observations for meridians made during a.m. & p.m. hours with a true meridian determined by observation on Polaris, I proceed as follows :-

At 5h p.m., l.m.t., at the Standard cor. of secs. 35 & 36 on S. bdy. of Tp. recently established by me and heretofore described, lat. $32^{\circ} 04' 25''$ N., Long. $109^{\circ} 27' 40''$ W., I set off $17^{\circ} 30\frac{1}{2}'$ N. on the decl. arc and $32^{\circ} 4\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in a stake firmly driven in the ground 5 chs. N. of my station.

At 10h. 43m. p.m., l.m.t., I observe Polaris at E. elong. 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.

August 3, 1909.
August 4, 1909.

At 7h. a.m., l.m.t., I set off the azimuth of Polaris $1^{\circ} 23\frac{1}{2}'$ to the W. and mark the true meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .27 ins. W. of the line given by the solar on preceding evening.

Then I set off $32^{\circ} 4\frac{1}{2}'$ N. on the lat. arc, and $17^{\circ} 21'$ N. on the decl. arc, and determine a meridian with the solar, which gives a line .19 ins. W. of the point on the stake given by Polaris observation.

The solar apparatus, by a.m. & p.m. observations defines positions for meridians, respectively about $15''$ E. and $10''$ W. of the meridian as determined by observations on Polaris. Therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h. a.m. is N. $13^{\circ} 5'$ W.; the angle thus determined gives the magnetic declination as $13^{\circ} 5'$ E.

From the above described cor. I run, as per instructions,

N. $0^{\circ} 1'$ W., bet. secs. 35 & 36.

Over rolling land, ascend grad.

40.00 Set a quartz stone 24x15x10 ins. 18 ins. in ground for $\frac{1}{4}$ sec. c or. marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

No bearings available. Pits impracticable.

80.00 Set a quartz stone 20x10x10 ins. 15 ins. in ground for cor. of secs. 35 & 36, marked with 1 notch on E. & S. edges, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available. Pits impracticable.

SW. cor. of pasture of John Riggs brs. N. 43° E. 5 chs. dist.

Wire fence runs ESE. & N. from cor.

Land, rolling.

Soil, 2nd rate, sandy.

No timber.

Undergrowth, Scattering palmeo. Good native grass.

Rolling land, 80.00 chs.

25

Subdivision of T. 15 S. R. 28 E.

Chains

S. 89° 48' E. on a random line bet. secs. 25 & 36.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.24 Intersect E. bdy. of Tp. at cor. point for cor. of
 secs. 25, 30, 31 & 36, as established and described by me
 under contract No. 149, whence I run,
 N. 89° 48' W., on a true line bet. secs. 25 & 36.
 Over gently rolling land, through dense palmeo & yucca.
 40.12 Set a quartz stone 24x12x8 ins. 18 ins. in 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.
 58.30 Wire fence, brs. ESE. & WNW. enclosing pasture.
 80.24 To cor. of secs. 25, 26, 35 & 36.
 Land, rolling.
 Soil, 2nd rate, sandy.
 No timber.
 Undergrowth, palmeo, yucca. Fair grass.
 Land covered with dense undergrowth, 80. 24 chs.

N. 0° 1' W. bet. secs. 25 & 26.
 Over rolling land, through dense palmeo & yucca.
 36.15 Intersect S. bdy. of Camp Bowie Military Reservation,
 at point whence 5 mile cor. of Reservation brs. S. 89° 58' W.
 18.00 chs. dist. as established by me under contract
 No. 149.
 Set a quartz stone 20x12x10 ins. 15 ins. in ground for
 closing cor. of secs. 25 & 26, marked CC. on S. with 1
 groove on E. face, and raise a mound of stone 2 ft. base
 $1\frac{1}{2}$ ft. high S. of cor.
 No bearings available. Pits impracticable.
 The closing cor. of secs. 25 & 26 from within Reservation
 brs. N. 89° 58' E. 60 lks. dist. as established by me
 under contract No. 149.
 Land, rolling.
 Soil, sandy, gravelly, 2nd rate.
 No timber.
 Undergrowth, palmeo & yucca. Fair grass.
 Land covered with dense undergrowth, 36.15 chs.

st.
 From the cor. of secs. 34 & 35 on S. bdy. of Tp. as re-
 established by me, and heretofore described,
 I run,
 N. 0° 1' W., bet. secs. 34 & 35.
 Over gently rolling land.
 40.00 Set a quartzite stone 20x10x10 ins. 15 ins. in ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of
 stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 No bearings available. Pits impracticable.
 80.00 Set a granite stone 24x12x8 ins. 18 ins. in ground for
 cor. of secs. 26, 27, 34 & 35, marked with 2 notches on E. &
 1 notch on S. 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, rolling,
 Soil, 2nd rate, sandy, gravelly.
 No timber.
 Undergrowth, scattering palmeo, yucca. good grass.
 Rolling land, 80.00 chs.

Subdivision of T. 15 S. R. 28 E.

Chains.

S. 89° 48' E., on a random line bet. secs. 26 & 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.24 Intersect N. & S. line at point 5 lks. S. of cor. of
 secs. 25, 26, 35 & 36, whence I run,
 N. 89° 50' W. bet. secs. 26 & 35. on a true line.
 Over rolling land.
 40.12 Set a granite stone 24x14x10 ins. 18 ins. in 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.
 80.24 To cor. of secs. 26, 27, 34 & 35.
 Land, rolling.
 Soil, 2nd rate, sandy, gravelly.
 No timber.
 Undergrowth, scattering palmeo, yucca. Good grass.
 Rolling land, 80.24 chs.
 At this cor. at noon, I set off 17° 17' N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is 32° 5' N.

N. 0° 1' W. bet. secs. 26 & 27.
 Over rolling land.
 12.80 Draw 4 chs. wide, course WSW.
 35.88 Intersect S. bdy. of Camp Bowie Military Reservation at
 point whence 4 mile cor. brs. S. 89° 58' W. 17.80 chs. dist.
 as established by me under contract No. 149.
 Set a granite stone 24x14x10 ins. 18 ins. in ground for
 closing cor. of secs. 26 & 27, marked CC. on S., with 2
 grooves on E. faces, and raise a mound of stone 2 ft.
 base $1\frac{1}{2}$ ft. high S. of cor.
 No bearings available. Pits impracticable.
 The closing cor. of secs. 26 & 27 from within Reservation as
 established by me under contract No. 149,
 brs. N. 89° 58' E. 1 ch. dist.
 Land, rolling.
 Soil, 1st & 2nd rate, sandy, loamy.
 No timber.
 Undergrowth, scattering palmeo, yucca. Good grass.
 Rolling land, 35.88 chs.

From Std. cor. of secs. 33 & 34 on S. bdy. of Tp. as
 re-established by me, and heretofore described,
 I run,
 N. 0° 2' W. bet. secs. 33 & 34.
 Over rolling land.
 36.00 Wash 20 lks. wide, course SW.
 40.00 Set a quartzite stone 24x12x8 ins. 18 ins. in ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of
 stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 No bearings available. Pits impracticable.
 80.00 Set a quartz stone 30x24x15 ins. 24 ins. in ground for
 cor. of secs. 27, 28, 33 & 34, marked with 3 notches on E.
 & 1 notch on S. 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, rolling.
 Soil, 2nd rate, sandy, gravelly.
 No timber.
 Undergrowth, scattering palmeo. Good grass.
 Rolling land, 80.00 chs.

Subdivision of T. 15 S. R. 28 E.

Chains

S. 89° 50' E., on a random line bet. secs. 27 & 34.

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

80.20 Intersect N. & S. line at a point 5 lks. N. of cor. of secs. 26, 27, 34 & 35, whence I run, N. 89° 48' W., on a true line bet. secs. 27 & 34. Over rolling land, through dense palmeo & yucca.

18.00 Draw 2 chs. wide, course SW.

20.00 Old road, brs. NNW. & SSE.

40.10 Set a quartzite stone 24x18x8 ins. 18 ins. in 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.

66.00 Old road, brs. NNW. & SSE.

80.20 To cor. of secs. 27, 28, 33 & 34. Land, rolling. Soil, 2nd rate, gravelly. No timber. Undergrowth, palmeo, yucca. good grass. Land covered with dense undergrowth, 80.20 chs.

N. 0° 2' W. bet. secs. 27 & 28. Over rolling land, through dense palmeo & yucca.

35.68 Intersect S. bdy. of Camp Bowie Military Reservation at a point whence 3 mile cor. of Reservation brs. S. 89° 58' W. 17.70 chs. dist. as established by me under contract No. 149. Set a granite stone 20x12x10 ins. 15 ins. in ground for closing cor. of secs. 27 & 28, marked CC. on S., with 3 grooves on E. faces, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor. No bearings available. Pits impracticable. The closing cor. of secs. 27 & 28 from within Reservation as established by me under contract No. 149, brs. N. 89° 58' E. 1.25 chs. dist. Land, rolling. Soil, 2nd rate, sandy gravelly. No timber. Undergrowth, palmeo yucca. Rolling land, covered with dense undergrowth, 35.68 chs. August 4, 1909.

August 5, 1909. At 7h. 30m. a.m., l.m.t., I set off 17° 4' N. on the decl. arc and 32° 4 $\frac{1}{2}$ ' N. on the lat. arc, and determine a true meridian with the solar at Std. cor. of secs. 32 & 33, on S. bdy. of Tp. as re-established by me and heretofore described. Thence I run, N. 0° 2' W. bet. secs. 32 & 33. Over rolling land.

76.00 Draw 5 chs. wide, course SW.

40.00 Set a granite stone 12x10x10 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, dig pits 18x18x12 ins. N. & S. of stone 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.

80.00 Set a granite stone 14x10x8 ins. 9 ins. in ground for cor. of secs. 28, 29, 32 & 33, marked with 4 notches on E. & 1 notch on S. edges, dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. No bearings available. Land, rolling. Soil, 2nd rate, sandy, gravelly. No timber. Undergrowth, scattering palmeo. Good grass. Rolling land, 80.00 chs.

Subdivision of T. 15 S. R. 28 E.

Chains	<p>S. 89° 56' E. on a random line bet. secs. 28 & 33.</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>80.20 Intersect N. & S. line at point 9 lks. S. of cor. of secs. 28, 27, 33 & 34, whence I run, West, on a true line bet. secs. 28 & 33 Over gently rolling land.</p> <p>40.10 Set a granite stone 20x10x8 ins. 15 ins. in ground for ¼ sec. cor. marked ¼ on N. face, dig pits 18x18x12 ins. E. & W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor. No bearings available.</p> <p>80.20 To cor. of secs. 28, 29, 32 & 33. Land, rolling. Soil, 2nd rate, sandy, gravelly. No timber. Undergrowth, scattering palmeo, yucca. Good grass. Rolling land, 80.20 chs.</p> <hr/> <p>N. 0° 2' W. bet. secs. 28 & 29. Over rolling land, desc. grad.</p> <p>20.00 Draw 5 chs. wide, course SW. Ascend gradually.</p> <p>40.00 Set a quartzite stone 20x10x10 ins. 15 ins. in ground for ¼ sec. cor. marked ¼ on W. face, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. No bearings available. Pits impracticable.</p> <p>80.00 Set a granite stone 24x12x18 ins. 18 ins. in ground for cor. of secs. 20, 21, 28 & 29, marked with 4 notches on E. & 2 notches on S. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. No bearings available. Pits impracticable. Land, rolling. Soil, 2nd rate, gravelly, sandy. No timber. Undergrowth, few palmeo & yucca. Good grass. Rolling land, 80.00 chs.</p> <hr/> <p>East, on a true line bet. secs. 21 & 28. Over gently rolling land.</p> <p>40.00 Set a quartz stone 20x12x11 ins. 15 ins. in ground for ¼ sec. cor. marked ¼ on N. face, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. No bearings available. Pits impracticable.</p> <p>62.48 Intersect W. bdy. of Camp Bowie Military Reservation at point whence 2½ mile cor. brs. S. 0° 9' E. 4.37 chs. dist. as established by me under contract No. 149. Set a quartz stone 30x24x15 ins. 24 ins. in ground for closing cor. of secs. 21 & 28, marked CC. on W., with 2 grooves on S. faces, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. No bearings available. Pits impracticable. The closing cor. of secs. 21 & 28 from within Reservation brs. S. 0° 9' E. 97 lks. dist. as established by me under contract No. 149. Land, rolling. Soil, 2nd rate, sandy. No timber. or undergrowth, Good native grass. Rolling land, 62.48 chs.</p>
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Subdivision of T. 15 S. R. 28 E.

Chains

N. 0° 2' W. bet. secs. 20 & 21.

Over rolling land, asc. grad.

40.00 Set a granite stone 20x10x8 ins. 15 ins. in ground for ¼ sec. cor. marked ¼ on W. face, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.

No bearings available. Pits impracticable.

80.00 Set a granite stone 15x15x10 ins. 10 ins. in ground for cor. of secs. 16, 17, 20 & 21, marked with 4 notches on E. & 3 notches on S. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.

No bearings available. Pits impracticable.

Land, rolling.

Soil, 2nd rate, sandy, gravelly.

No timber. or undergrowth, Good grass.

At this cor. at Noon, I set off 17° 1' N. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is 32° 07' N.

East, on a true line bet. secs. 16 & 21.

Over rolling land.

40.00 Set a quartz stone 24x18x8 ins. 18 ins. in ground for ¼ sec. cor. marked ¼ on N. face, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.

No bearings available. Pits impracticable.

62.38 Intersect. W. bdy. of Camp Bowie Military Reservation at point whence ½ mile cor. brs. S. 0° 9' E. 4.30 chs. dist. as established by me under contract No. 149.

Set a granite stone 20x12x10 ins. 15 ins. in ground for closing cor. of secs. 16 & 21, marked CC. on W. with 3 grooves on S. faces, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.

No bearings available. Pits impracticable.

The closing cor. of secs. 16 & 21, from within Reservation brs. S. 0° 9' E. 95 lks. dist. as established by me under Contract No. 149.

Land, rolling.

Soil, 2nd rate, sandy, gravelly.

No timber or undergrowth. Good grass.

Rolling land, 62.38 chs.

N. 0° 2' W. bet. secs. 16 & 17. Over rolling land, asc. grad.

27.00 Wash, 30 lks. wide, course SW.

40.00 Set a granite stone 20x12x12 ins. 15 ins. in ground for ¼ sec. cor. marked ¼ on W. face, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.

No bearings available. Pits impracticable.

80.00 Set a granite stone 24x12x8 ins. 18 ins. in ground for cor. of secs. 8, 9, 16 & 17, marked with 4 notches on E. & S. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.

No bearings available. Pits impracticable.

Land, rolling.

Soil, 2nd rate, sandy, gravelly.

No timber, or undergrowth. Good grass.

Rolling land, 80.00 chs.

Subdivision of T. 15 S. R. 28 E.

Chains	<p>East, on a true line bet. secs. 9 & 16. Over heavily rolling land.</p> <p>3.00 Top of ridge, brs. S. & N. desc. grad.</p> <p>16.00 Foot of slope, brs. N. & S.</p> <p>19.00 Main wash 8 chs. wide, course S.</p> <p>32.00 Flat ridge, brs. S. & N., desc. grad.</p> <p>37.20 Draw 1 ch. wide course S.</p> <p>40.00 Set a granite stone 24x10x10 ins. 18 ins. in 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.</p> <p>56.84 Wire fence, brs. N. & S. Enter pasture of W. A. Shafer.</p> <p>62.25 Intersect. W. bdy. of Camp Bowie Military Reservation at point whence $\frac{1}{2}$ mile cor. brs. S. $0^{\circ} 9'$ E. 4.30 chs. dist. as established by me under contract No. 149. Set a granite stone 18x12x10 ins. 12 ins. in ground for closing cor. of secs. 9 & 16, marked CC. on W., with 4 grooves on S. faces, dig pits 24x18x12 ins. crooswise on Each line N. & S. 3 ft. and W. of stone 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. No bearings available. Pits impracticable. The closing cor. of secs. 9 & 16 from within Reservation, brs. S. $0^{\circ} 9'$ E. 92 lks. dist. as established by me under contract No. 149. Land, heavily rolling. Soil, 2nd rate, gravelly. No timber or undergrowth. Good grass. Rolling land, 62.25 chs.</p>
	<p>N. $0^{\circ} 2'$ W. bet. secs. 8 & 9. Over rolling land, asc. grad. along E. side of valley of wash.</p> <p>40.00 Set a granite stone 24x12x8 ins. 18 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available. Pits impracticable.</p> <p>52.00 Telephone line brs. WNW. & ESE. from Dos Cabezos to Shafers ranch.</p> <p>77.00 Main wash 150 lks. wide, course SSE.</p> <p>80.00 Set a granite stone 24x12x10 ins. 18 ins. in ground for cor. of secs. 4, 5, 8 & 9, marked with 5 notches on S. & 4 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. Pits impracticable. Land, rolling. Soil, 2nd rate, gravelly. No timber. Undergrowth, scattering mesquite. Good grass. Rolling land, 80.00 chs.</p>
	<p>East, on a true line bet. secs. 4 & 9. Over rolling land, through scattering mesquite.</p> <p>.30 Road, brs. NW. & SE. Dos Cabezos to Bowie & Shafers.</p> <p>1.12 Wire fence, brs. NW. & SE. Enter pasture of W. A. Shafer.</p> <p>13.59 Wash 30 lks. wide, course SE.</p> <p>27.54 Wash 50 lks. wide, course S.</p> <p>32.75 Wash 50 lks. wide, course SSW.</p> <p>34.95 Wire fence, brs. NW. & SW. Leave pasture.</p> <p>36.84 Wash 20 lks. wide, course SW. Begin steep ascent over loose granite rocks, with great difficulty.</p> <p>40.00 Point for $\frac{1}{4}$ sec. cor. falls on granite boulder in place, 18x12x12 ins. above ground, which I mark with cross(x) for exact cor. pt. with $\frac{1}{4}$ on N. of cross, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. from which An oak tree 8 ins. diam. brs. N. $34^{\circ} 40'$ W. 164 lks. dist. marked $\frac{1}{4}$ S. 4 B.T. No other trees available. House of Mrs. Maggie Shafer brs. S. $21^{\circ} 45'$ W. about 23 chs. dist.</p>

C chains

50.00 Top of high Rocky ridge, brs. S. & N. desc. precipitously.
 62.35 Intersect W. bdy. of Camp Bowie Military Reservation at point whence 23 1/2 mile cor. brs. N. 0° 4' E. 138 lks. dist. as established by me under contract No. 149.
 Set a granite stone 24x15x12 ins. on bedrock in mound of stone for closing cor. of secs. 4 & 9, marked CC. on W., with 5 grooves on S. faces, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
 No bearings available. Pits impracticable.
 The closing cor. of secs. 4 & 9 from within Reservation brs. S. 0° 4' W. 89 lks. dist., as established by me under contract No. 149.
 Land, rolling, rough and broken.
 Soil, Gravelly, stony, 3rd & 4th ratd.
 Few oak trees.
 Undergrowth, scrub oak, mesquite.
 Rolling or broken land, 36.84 chs.
 Mts. land exceptionally difficult to survey, 25.51 chs.
 August 5, 1909.

August 6, 1909.
 At 7h. 30m. a.m., l.m.t., at the cor. of secs. 4, 5, 8 & 9, I set off 16° 48' N. on the decl. arc, and 32° 9' N. on the lat. arc, and determine a true meridian with the solar, thence I run.

N. 0° 2' W. bet. secs. 4 & 5.
 Over rolling land, asc. grad.
 .20 Road, brs. NW. & SE. Dos Cabezos to Shafers and Camp Bowie.
 .76 Wire fence, brs. NW. & SE., enter pasture of W.A. Shafer.
 40.00 Set a porphyry stone 24x12x8 ins. 18 ins. in 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.
 Foot of slope brs. E. & W., begin steep ascent over loose granite boulders with great difficulty.
 66.00 Wire fence, brs. NE. & SW. Leave pasture, and asc. precipitously.
 79.10 Intersect the N. bdy. of Tp. at point 195 lks. W. of cor. of secs. 32 & 33.
 Set a granite stone 24x12x8 ins. 18 ins. in ground for closing cor. of secs. 4 & 5., marked with C.C. on S., with 2 grooves on W. & 4 grooves on E. face, and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. from which,
 An oak tree 8 ins. diam. brs. S. 30° W. 20 lks. dist., marked T. 15 S. R. 28 E. S. 5 C.C.B.T.
 No other bearings available.
 Land, rolling, & mts.
 Soil, 2nd & 3rd rate, gravelly, stony.
 Timber, Oak.
 Undergrowth, mesquite, scrub oak, cacti.
 Rolling land, 40.00 chs.
 Mts. land, exceptionally difficult to survey, 39.10 chs.

From Std. cor. of secs. 31 & 32, recently re-established by me and heretofore described, I run,
 N. 0° 3' W. bet. secs. 31 & 32.
 Over gently rolling land.
 2.10 Enter draw, course SW.
 22.00 Road and telephone line, brs. NW. & SE.
 24.00 Leave draw and asc. grad.
 40.00 Set a granite stone 24x10x8 ins. 18 ins. in 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.

Subdivision of T. 15 S. R. 28 E.

Chains

80.00 Set a granite stone 20x18x8 ins. 15 ins. in ground for cor. of secs. 29,30,31 & 32, marked with 5 notches on E. & 1 notch on S. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
 No bearings available. Pits impracticable.
 Land, rolling.
 Soil, 2nd rate, sandy.
 No timber, or undergrowth. Good grass.
 Rolling land, 80.00 chs.

S. 89° 56' E. On a random line bet. secs. 29 & 32.
 40.00 Set temp. ¼ sec. cor.

80.18 Intersect N. & S. line at point 2 lks.S.of cor. of secs. 28,29,32 & 33, whence I run, N. 89° 57' W., on a true line bet. secs. 29 & 32.
 Over rolling land.

20.00 Enter draw, course SW.

36.00 Leave draw. and asc. grad.

40.09 Top of rise.

Set a granite stone 20x10x8 ins. 15 ins. in ground for ¼ sec. cor. marked ¼ on N. face, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
 No bearings available. Pits impracticable.

80.18 To cor. of secs. 29,30,31 & 32.

Land, rolling.
 Soil, 2nd & 3rd rate, sandy, gravelly.
 No timber or undergrowth. Good grass.
 Rolling land, 80.18 chs.

N. 89° 56' W. on a random line bet. secs. 30 & 31,
 40.00 Set temp. ¼ sec. cor.

80.14 Intersect W. bdy. of Tp. at point 5 lks. N. of cor. of secs. 25,30,31 & 36, whence I run, S. 89° 58' E., on a true line bet. secs. 30 & 31.
 Over rolling land.

34.38 Road, brs. NW. & SE.

35.08 Telephone line brs. NW. & SE.

40.14 Set a granite stone 20x12x10 ins. 15 ins. in ground for ¼ sec. cor. marked ¼ on N. face, and dig pits 18x18x12 ins. E. & W. of stone 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor. No bearings available.

80.14 To cor. of secs. 29,30,31 & 32.

Land, rolling. Soil, 2nd & 3rd rate, sandy, gravelly.
 No timber or undergrowth, good native grass.
 Rolling land, 80.14 chs.

At this cor. at noon, I set off 15° 44½' N. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is 32° 5' N. Thence I run, N. 0° 3' W. bet. secs. 29 & 30.

Over rolling land, asc. grad.

40.00 Set a quartzite stone 30x24x18 ins. 24 ins. in ground for ¼ sec. cor. marked ¼ on W. face, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.

80.00 Set a quartzite stone 24x12x8 ins. 18 ins. in ground for cor. of secs. 19,20,29 & 30, marked with 5 notches on E. & 2 notches on S. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.

Land, rolling.
 Soil, 2nd rate, sandy.
 No timber or undergrowth.
 Rolling land, 80.00 chs.

Subdivision of T. 15 S. R. 28 E.

Chains	S. 89° 57' W. on a random line bet. secs. 20 & 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. & S. line at point 5 lks. N. of cor. of secs. 20, 21, 28 & 29, whence I run, N. 89° 55' W. on a true line bet. secs. 20 & 29. Over rolling land.
20.00	Draw 2 chs. wide, course SSW.
39.00	Draw 3 chs. wide, course S.
40.10	Set a quartz stone 20x12x10 ins. 15 ins. in 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. Pits impracticable.
52.00	Draw 2 chs. wide, course SSE.
80.20	To cor. of secs. 19, 20, 29 & 30. Land, rolling. Soil, 3rd rate, sandy. No timber or undergrowth. Good grass. Rolling land, 80.20 chs.
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	N. 89° 58' W., on a random line bet. secs. 19 & 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect W. bdy. of Tp. at point 5 lks. N. of cor. of secs. 19, 24, 25 & 30, whence I run, East, on a true line bet. secs. 19 & 30. Over rolling land.
40.10	Set a quartzite stone 20x12x10 ins. 15 ins. in 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. Pits impracticable. No bearings available.
60.00	Draw 3 chs. wide, course SSW.
80.10	To cor. of secs. 19, 20, 29 & 30. Land, rolling. Soil, 2nd & 3rd rate, sandy. No timber or undergrowth. Good grass. Rolling land, 80.10 chs.
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	N. 0° 3' W. bet. secs. 19 & 20. Over rolling land, asc. grad.
38.00	Enter draw, course SSW.
40.00	Set a granite stone 20x12x10 ins. 15 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available. Pits impracticable.
62.00	Leave draw and asc. grad.
80.00	Set a granite stone 24x12x8 ins. 18 ins. in ground for cor. of secs. 17, 18, 19 & 20, marked with 5 notches on E. & 3 notches on S. 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, rolling. Soil, 3rd rate, sandy. No timber or undergrowth. Good grass. Rolling land, 80.00 chs.
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	S. 89° 55' E., on a random line bet. secs. 17 & 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.18	Intersect N. & S. line at point 5 lks. N. of cor. of secs. 16, 17, 20 & 21, whence I run,

Subdivision of T. 15 S. R. 28 E.

Chains

N. 89° 53' W., on a true line bet. secs. 17 & 20.
 Over heavily rolling land.
 33.50 Wash 30 lks. wide, course SW.
 40.09 Set a granite stone 24x10x8 ins. 18 ins. in 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.
 69.00 Middle of main draw 10 chs. wide, course SSW.
 80.18 To cor. of secs. 17,18,19 & 20.
 Land heavily rolling.
 Soil, 3rd rate, sandy.
 No timber or undergrowth. Good grass.
 Rolling land, 80.18 chs. August 6, 1909.

August 7, 1909.
 At 7h.30m. a.m., l.m.t., at the cor. of secs. 17,18,19 & 20,
 I set off 16°31' N. on the decl. arc, and 32° 7' N. on
 the lat. arc, and determine a true meridian with the
 solar. Thence I run,
 West, on a random line bet. secs. 18 & 19.
 40.00 Set temp. 1/4 sec. cor.
 80.08 Intersect W. bdy. of Tp. at cor. of secs. 13,18,19 & 24,
 Whence I run,
 East, on a true line bet. secs. 18 & 19.
 Over heavily rolling land.
 12.00 Draw 2 chs. wide, course SSW.
 30.00 Draw 2 chs. wide, course SSW.
 40.08 Set a granite stone 24x14x12 ins. 18 ins. in 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.
 67.00 Wash 30 lks. wide, in draw 6 chs. wide, course S.
 80.08 To cor. of secs. 17,18,19 & 20.
 Land, rolling.
 Soil, 3rd rate, sandy.
 No timber or undergrowth. Good grass.
 Rolling land, 80.08 chs.

N. 0° 3' W. bet. secs. 17 & 18.
 Over heavily rolling, stony, land, asc. grad.
 40.00 Set a granite stone 30x15x12 ins. 24 ins. in 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.
 40.50 Middle of draw 150 lks. wide, course SE.
 80.00 Set a granite stone 20x12x6 ins. 15 ins. in ground for
 cor. of secs. 7, 8, 17 & 18, marked with 5 notches on E. &
 4 notches on S. edges, and raise a mound of stone 2 ft.
 base 1 1/2 ft. high W. of cor. Pits impracticable.
 Land, heavily rolling.
 Soil, 3rd rate, sandy.
 No timber or undergrowth. Fair grass.
 Rolling land, 80.00 chs.

Chains	<p>S. 89° 53' E. on a random line bet. secs. 8 & 17. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.16 Intersect N. & S. line at cor. of secs. 8, 9, 16, & 17 whence I run, N. 89° 53' W., on a true line bet. secs. 8 & 17. Over heavily rolling land, descend. 20.00 Draw 10 chs. wide, course S. 26.00 Point of ridge, brs. S. & N., 35.00 wash 1 ch. wide, course SSE. asc. grad. 40.08 Set a granite stone 24x12x8 ins. 18 ins. in 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. 44.00 Ridge, brs. S. & N., desc. grad. 66.00 Wash 2 chs. wide, course S. asc. grad. 80.16 To cor. of secs. 7, 8, 17 & 18. Land, heavily rolling. Soil, 2nd rate, gravelly. No timber or undergrowth. Good grazing. Rolling land 80.16 chs.</p> <hr/> <p>West, on a random line bet. secs. 7 & 18. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.12 Intersect W. bdy. of Tp. at point 12 lks. S. of cor. of secs. 7, 12, 13 & 18, whence I run, S. 89° 55' E., on a true line bet. secs. 7 & 18. Over broekn & mts. land. asc. 6.00 Top of flat ridge, brs. S. & N., desc. 26.00 Desc. 40.12 Set a granite stone 24x12x10 ins. 18 ins. in 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. 41.00 Gulch 1 ch. wide, course S. asc. steep. 47.00 Top of ridge, brs. S. & N. desc. steep. 54.00 Foot of slope, brs. N. & S. 57.00 Canyon 120 lks. wide, course S., asc. prec. 62.00 Top of ridge, brs. S. & N. desc. 70.00 Gulch 50 lks. wide, course SSW. asc. 80.12 To cor. of secs. 7, 8, 17 & 18, on top of ridge, brs. S. & N. Land, mts. very broken. Soil, gravelly stony, 3rd rate. No timber. Undergrowth, palmeo, yucca. Good grass. Mts. land exceptionally difficult to survey 80.12 chs. At this cor. at noon, I set off 16° 28' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 32° 8' N.</p> <hr/> <p>N. 0° 3' W. bet. secs. 7 & 8. Over mts. land, asc. along ridge. 40.00 Set a granite stone 20x12x8 ins. 18 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available. Pits impracticable. A tent house, owner unknown, brs. S. 84° W. about 30 chs. dist. on W. side of canyon. 60.00 Desc. along NW. slope of ridge. 68.00 Telephone line Dos Cabezos to Shafers ranch and Bowie brs. E. & W. 79.80 Gulch 20 lks. wide, course SW. 80.00 Set a granite stone 36x18x12 ins. 24 ins. in ground for cor. of secs. 5, 6, 7 & 8, marked with 5 notches on E. & S. 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, 3rd rate, stony. No timber. Undergrowth, scattering mesquite & palmeo. Mts. land 80.00 chs.</p>
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Subdivision of T. 15 S. R. 28 E.

Chains

- S. 89° 53' E., on a random line bet. secs. 5 & 8.
 40.00 Set temp. 1/4 sec. cor.
 80.16 Intersect N. & S. line at point 2 lks. S. of cor. of
 secs. 4, 5, 8 & 9, whence I run,
 N. 89° 54' W., on a true line bet. secs. 5 & 8.
 Over heavily rolling land.
 2.00 Main wash 80 lks. wide, course SE.
 25.00 Ridge, brs. S. & N., desc. grad.
 40.08 Foot of slope, brs. N. & S..
 Set a granite stone 30x15x12 ins. 24 ins. in 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.
 48.75 Wash 15 lks. wide, course SSE.
 51.00 Wash 30 lks. wide, course SSW.
 53.00 Foot of slope, brs. N. & S. asc.
 62.00 Ridge, brs. S. & N. desc.
 73.00 Gulch 30 lks. wide, course S. asc.
 76.00 Top of ridge, brs. S. & N. desc.
 79.50 Gulch 50 lks. wide, course SW.
 80.16 To cor. of secs. 5, 6, 7 & 8 .
 Land, heavily rolling and broken.
 Soil, 2nd & 3rd rate, stony & gravelly.
 No timber. Undergrowth, scattering mesquite.
 Rolling land, 80.16 chs.
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- N. 89° 55' W., on a random line bet. secs. 6 & 7.
 40.00 Set temp. 1/4 sec. cor.
 80.12 Intersect W. bdy. of Tp. at point 7 lks. S. of cor. of
 secs. 1, 6, 7 & 12, whence I run,
 S. 89° 52' E., on a true line bet. secs. 6 & 7.
 Over mts. land desc. over rough granite ledges, and very
 stony ground, through scattering mesquite,
 with great difficulty.
 5.60 Canyon 60 lks. wide, course S.
 7.00 Asc. grad.
 25.06 Wire fence, brs. N. & S. Enter pasure of Cottonwood mine.
 37.00 Top of flat ridge, brs. S. & N. desc.
 40.12 Set a granite stone 20x14x10 ins. 15 ins. in 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.
 Cottonwood mine brs. N. 48° E. 28 chs. dist.
 49.00 Telephone line, Dos Cabezos to Shafers ranch & Bowie,
 brs. WNW. & ESE.
 55.20 Gulch 50 lks. wide, course S.
 57.25 Gulch 20 lks. wide, course SW. asc. steep.
 65.85 Wire fence, brs. N. & S., leave pasture.
 70.00 Ridge, brs. S. & N. desc. steep.
 73.85 Gulch 50 lks. wide, course SE. asc. steep.
 75.50 Point of ridge, brs. S. & N. desc. steep.
 80.12 To cor. of secs. 5, 6, 7 & 8.
 Land, mts., rough and broken.
 Soil, 3rd & 4th rate, stony.
 No timber.
 Undergrowth, mesquite, palmeo, yucca, cacti.
 Mts. land exceptionally difficult to survey, 80.12 chs.

Chains

N. 0° 3' W., bet. secs. 5 & 6.
 Over mts. landsc. over loose quartz stones, with great difficulty.

8.00 Top of ridge, brs. SW. & NE. desc.
 33.62 Gulch 80 lks. wide, course SW.
 37.14 Road, brs. E. & W., Dos Cabezos to Camp Bowie.
 40.00 Set a granite stone 24x12x8 ins. 18 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 No bearings available. Pits impracticable.

52.00 Top of ridge, brs. SW. & NE.
 60.00 Desc. NW. slope of ridge, through scattering oak timber.
 69.10 Gulch 80 lks. wide, course SW. asc. SE. slope of ridge.
 78.95 Intersect N. bdy. of Tp. at point 2.25 lks. W. of cor. of secs. 5, 6, 31 & 32,
 Set a granite stone 20x10x6 ins. 15 ins. in ground for closing cor. of secs. 5 & 6 marked CC. on S., with 1 groove on W. & 5 grooves on E. faces, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor. from which,
 An oak tree 6 ins. diam. brs. S. 55° E. 88 lks. dist., marked T. 15 S. R. 28 E. S. 5 CC. B. T
 An oak tree 8 ins. diam. brs. 86 $\frac{1}{2}$ ° W. 142 lks. dist., marked T. 15 S. R. 28 E. S. 6 CC. B. T.
 Land, mts. broken.
 Soil, 3rd rate, sandy, stony.
 Timber scattering oak.
 Undergrowth, scrub oak, mesquite, cacti.
 Mountainous land exceptionally difficult to survey 78.95 chs.

General Description.

This frac. Township is rolling and level in the south and central portions, and rough and broken in the NW. and mountainous in the extreme NW. & NE. portions. There is much good grazing land in the southern part, the soil in general being sandy, and 2nd rate. Shafers ranch is located in the NW. $\frac{1}{4}$ of sec. 9, owned by W. A. Shafer, and Mrs. Maggie Shafer. Their improvements are extensive and valuable, consisting of good residence building with outbuildings, barns corrals, windmills, and pipe line. From the water developed, considerable area of land in NW. $\frac{1}{4}$ of sec. 9 is cultivated, and hundreds of cattæ watered. Cottonwood mine is located in the SE. $\frac{1}{4}$ of sec. 6 and consists of several deep shafts, with hoists, engine houses etc. The land in the NW. part of Tp. is mineral bearing, but no great values have as yet been developed.
 August 7, 1909.

Jesse B. Wright
 J.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., 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

Subdivision of T. 15 S. R. 28 E.

showing the respective capacities in which they acted:

Edgar M. Darnall Chainman.

Santiago Vindiola Chainman.

Guadalupe Pacheco Moundman.

..... Moundman.

Silvers Peratto Axman.

..... Axman.

Manuel Vindiola Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Jesse B. Wright

....., United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision of T. 15 S. R. 28 E.

..... of the Gila and Salt River Base & meridian, Territory 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.

Edgar M. Darnall Chainman.

Santiago Vindiola Chainman.

..... Moundman.

Guadalupe Pacheco Moundman.

Silvers Peratto Axman.

..... Axman.

Manuel Vindiola Flagman.

Subscribed and sworn to before me this 5th day of August, 1909

My commission expires 11, 1909

J. A. Henshaw
Notary Public

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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 fourth day of June, 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

Subdivision of Township 15 South,
Range 28 East.

of the Sila & Salt

Rock Road meridian, in the Territory 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 30th day of August, 1909

A. Michener

U.S. Commissioner



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. July 2, 1910.

The foregoing field notes of the survey of a portion of the subdivided
lines in Twp. 15 N. R. 28 E. Sila and Salt
River Meridian, Arizona.

executed by Jesse B. Wright, U.S. Dep. Sur.
under his contract No. 159, dated June 4, 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.