

1873

Book "B"

BOOK 1873

# FIELD NOTES

OF THE SURVEY OF THE

*Subdivisions*

*J*

*Pl. 18 S. Rg. 15 E.*

-1873-

1873

Of the *Chula and Salt River Base* Meridian,

AS SURVEYED BY

*Edgar C. Dietrich*, United States Deputy Surveyor,

Under his Contract No. *137*, dated *August 15*, ~~189~~ 1905

Survey commenced *October 9*, ~~189~~ 1905

Survey completed *October 18*, ~~189~~ 1905

## NAMES AND DUTIES OF ASSISTANTS.

Fred. Taylor, Chairman

Walter Percival, Chairman

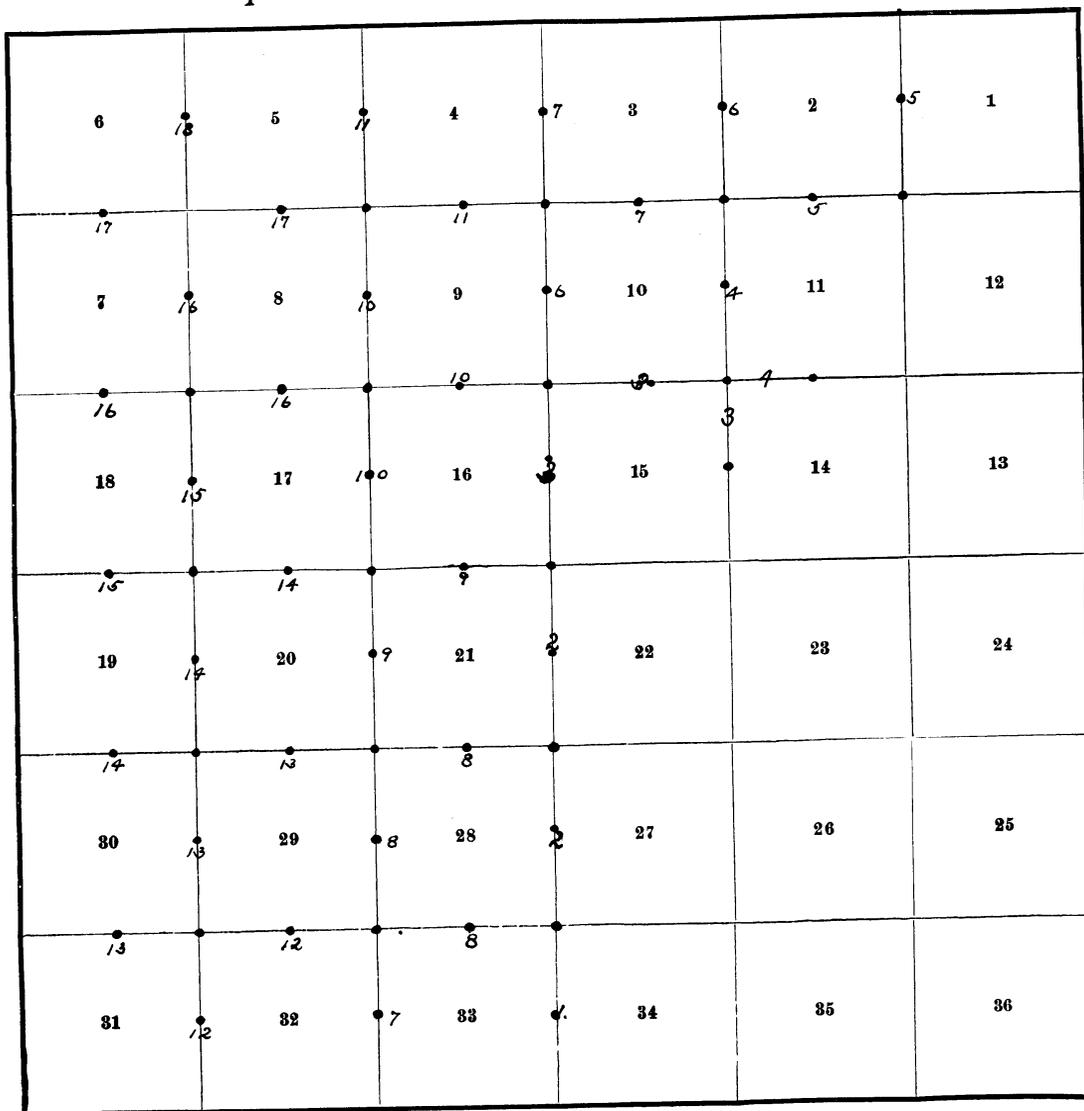
Juan Sanchez, Chairman

Sipriana Villa, Chairman

Manuel Salazar, Chairman

# INDEX DIAGRAM.

Township 18 S, Range 15 E



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Fred. Tagler and Walter Percival  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over 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 the Subdivisions of Twp. 18 S. Rg. 15 E.

Fred Tagler, Chainman.  
Walter Percival, Chainman.

Subscribed and sworn to before me this 3<sup>rd</sup>  
day of October, 189~~189~~1905

W. G. Power



WE, Juan Sanchez 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 the Subdivisions of Twp. 18 S. Rg. 15 E.

Juan Sanchez, Moundman.  
Juan Sanchez, Moundman.

Subscribed and sworn to before me this 3<sup>rd</sup>  
day of October, 189~~189~~1905

W. G. Power



WE, Sipriana Villa 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 the Subdivisions of Twp. 18 S. Rg. 15 E.

Sipriana Villa, Axman.  
Sipriana Villa, Axman.

Subscribed and sworn to before me this 3<sup>rd</sup>  
day of October, 189~~189~~1905

W. G. Power



I, Mmanuel Salazar, 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 the Subdivisions of Twp. 18 S. Rg. 15 E.

Mmanuel Salazar, Flagman.

Subscribed and sworn to before me this 3<sup>rd</sup>  
day of October, 189~~189~~1905

W. G. Power



Subdivisions of T. 18 S.R. 15 E.

Chains

Survey commenced October 9, 1905, and executed with a QUEEN light mountain transit, #4607, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and approved by the Surveyor-General for Arizona

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from A M and P M hours, with a meridian determined by observations on Polaris, I proceed as follows:-

At the cor. of secs. 3, 4, 33 and 34, on the south bdy. of T. 18 S. R. 15 E.; latitude ~~31°-48' N.~~ <sup>31°-49' N.</sup>, longitude ~~107°-48' E.~~ <sup>107°-48' E.</sup>; I set off 6°-17' S., on the decl. arc;

31°-49' N. on the lat. arc and at 3h 56m PM, l. m. t., determine a meridian, with the solar, and mark a point thereof on a stone, firmly set in the ground, 5 chains N. of the cor.

At 6h 18m, by my watch, which is correct for l. m. t., I observe Polaris at *Easterly* elongation, in accordance with the Manual of Instructions, and mark a point on the line thus determined, on a peg driven in the ground 5 chs. N. of my station.

----- October 9, 1905.

October 10, 1905: At 6h 10m AM., l. m. t., I lay off the azimuth of Polaris 1°-23' to the WEST, and mark the meridian thus determined, by cutting a small groove in the stone set October 9, on which the meridian falls 0.2 ins. West of the mark as determined by the solar.

At 8h30m AM., l. m. t., I set off 34°-49' N. on the lat. arc; 6°-32' S. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. West of the meridian established by the Polaris observation.

The solar apparatus by PM. and AM. observations defines positions for meridians, respectively about 0'-11" East and 0' - 16" West of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 8h 30m AM., is N13°-00' the angle thus determined gives the mag. decl. 13° - .00' E.

I commence at the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Twp., as previously set and described by me.

Thence I run

N. 0 - 02 W. bet. secs. 33 and 34.

Over rolling land.

12.40 Gulch, 100 lks. wide, course S. W.

31.00 Gulch, 100 lks. wide, course S. W.

40.00 Set a granite stone 20 x 16 x 5 ins. ~~14~~ <sup>15</sup> ins. in ground for 1/4 sec. cor. marked 1/4 on W. face from which:

A mesquite, 6 ins. diam., bears N. 74 3/4° E., 190 lks. dist., marked 1/4 S 34 B T.

A mesquite, 5 ins. diam., bears N. 40° W., 76 lks. dist. marked 1/4 S 33 B T.

42.95 Road, bears N. E. and S. W.

48.00 Wash, 2chs. wide, course S. W.

75.50 Wash, 2 chs. wide, course S. W., and ascend.

80.00 Set a granite stone 18 x 10 x 6 ins., 12 ins. in ground for cor. of secs. 27, 28, 33 and 34, marked with 1 notch

Subdivisions of T.18 S. R. 15 E.

Chains		
	on the S., and 3 notches on the E. edge and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land, rolling and mountainous. Soil, gravelly, 3rd rate. Timber, mesquite. Undergrowth, tesotilla and mesquite.	
	----- N. 0 - 02' W. bet. secs. 27 and 28. Over mountainous land ascending.	
2.00	Top of ridge, bears E. and W., and descend.	
13.00	Gulch, 50 lks. wide, course N.W.	
<del>20.00</del>	<del>Begin steeper descent.</del>	
23.50	Gulch, 50 lks. wide, course N. E.	
29.00	Wash, 2 chs. wide, course N. E	
37.00	Wash, 10 lks. wide, course N. W.	
40.00	The point for 1/4 sec. cor. falls in wash, 10 lks. wide course N.W.	
41.00	Set a granite stone 20 x 7 x 7 ins., <sup>10</sup> 18 ins. in ground for witness cor. to 1/4 sec. cor., marked W C 1/4 on W. face, and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. From the W.C. 1/4 sec. cor. A mesquite, 8 ins. diam., bears S. 37 E., 28 lks. dist., marked W C 1/4 S 27 B T.	
48.80	Wash, 1 ch. wide, course N. W.	
64.30	Road, bears N. W. and S. E., Wash, 30 lks. wide course N. W.	
80.00	Set a granite stone 20 x 6 x 6 ins., <sup>set in a mound of stone</sup> 18 ins. in ground for cor. of secs. 21, 22, 27 and 28 marked with 2 notches on the S., and 3 notches on the E. edge, from which: A mesquite, 5 ins. diam., bears N. 24 E., 50 lks. dist., marked T 18 S R 15 E S 22 B T. A mesquite, 5 ins. diam., bears S. 28 1/2 E., 196 lks. dist. marked T 18 S R 15 E S 27 B T. A mesquite, 5 ins. diam., bears S. 15 W., 386 lks. dist., marked T 18 S R 15 E S 28 B T. A mesquite, 8 ins. diam., bears N. 66 W., 124 lks. dist., marked T 18 S R 15 E S 21 B T. Land, mountainous. Soil, gravelly, 3rd rate. Timber, mesquite. Undergrowth, tesotilla.	
	----- At this point I set off 6° - 36' S. on the decl. arc; and at 11h 57m <sup>AM</sup> , 1. m. t., observe the sun on the meridian; the resulting lat. is 31° - 51/2' N., which agrees with the proper latitude. <span style="float: right;">Oct. 10, 1905.</span>	
	----- Thence I run N. 0 - 02' W. bet. secs. 21 and 22. Over mountainous land.	
12.00	Wash, 10 lks. wide, course N. W. and ascend.	
26.50	Ridge, bears N. E. and S. W.	
40.00	Set a granite stone 30 x 12 x 12 ins., <del>23</del> 23 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. Pits impracticable.	
40.00	<del>Top of ridge bears N.W. and S.E.</del>	
42.00	Begin descent.	
49.30	Gulch, 30 lks. wide, course N. W.	
62.80	Old road, bears N. E. and S.W.	
66.10	Wash, 15 lks. wide, course N. W.	
69.80	Road, bears N. W. and S. E.	
80.00	Set a lime stone 18 x 8 x 5 ins., 12 ins. in ground for cor. of secs. 15, 16, 21 and 22, marked T 18 S on N.E. face, R 15 E on S. E. face, 3 notches on the S., and 3 notches on the E edge, and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land, mountainous. Soil, gravelly, 3rd rate. Timber, none. Undergrowth, tesotilla.	

Subdivisions of T. 18 S. R 15 E.

Chains N. 0 - 02' W. bet. secs. 15 and 16.  
 Over rolling land.  
 2.00 Gulch, 10 lks. wide, course N. W.  
 8.50 Gulch, 10 lks. wide, course N. W.  
 17.00 Gulch, 10 lks. wide, course N. W.  
 23.00 Gulch, 10 lks. wide, course N. W.  
 40.00 Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground  
 ✓ for 1/4 sec. cor., marked 1/4 on the W. face, from which:  
 A mesquite, 10 ins. diam., bears N. 11 1/2 W., 274 lks. dist., marked 1/4 S 16 B T.  
 A mesquite, 5 ins. diam., bears N. 76 1/2 E., 51 lks, dist., marked 1/4 S 15 B T.  
 63.80 Wash, 5 lks. wide, course W. and ascend.  
 72.50 Top of ridge bears E. and W. and descend.  
 80.00 Set a lime stone 18 x 12 x 8 ins., 12 ins. in ground  
 ✓ for cor. of secs. 9, 10, 15 and 16 marked with 4 notches on S., and 3 notches on E. edge, and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. From the cor:  
 A mesquite, 6 ins. diam., bears S. 89 E., 230 lks. dist., marked T 18 S. R 15 E S 15 B T.  
 Land, rolling and mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, scattering mesquite.  
 Undergrowth, tesotilla. October 10, 1905.  
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 October 11, 1905. At 8h 45m<sup>AM</sup> 1. m. t., I set off 31° - 42' N. on the lat. arc, 6° - 55' S., on the decl. arc and determine a meridian with the solar at the cor. of secs. 9, 10, 15, and 16.

*ch*  
 Feat Note

32.279 East on a true line bet. secs. 10 and 15.  
 2130.4 Interest line 4 - 1 of the Bull Deer lode, Sur. No. 600 at a point N. 34° - 00' E., 295.2 ft. dist. from cor. no. 3 of the Bull Deer lode. 4.778 Chs.  
 40.51 Interest line 2 - 3 of the Bull Deer lode at a point S. 56° - 00' E. 451.8 ft. dist. from cor. no. 3 of the Bull Deer lode. 6.845 Chs.  
 2673.7

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43.50 dist., marked 1/4 S 10 B T.  
 57.00 A mesquite, 4 ins. diam., bears S. 8 3/4 E., 99 lks. dist., marked 1/4 S 15 B T.  
 61.90 Wash, 1 ch. wide, course N. W.  
 62.00 House, bears S., 6 chs. dist.  
 64.20 Road, bears N. W. and S. E.  
 67.00 House, bears S., 2 chs. dist.  
 68.40 Buckalew's house, bears N., 30 lks. dist. *4.00 W. E. fence bears N.E.*  
 69.50 Fence, bears N. W. and S. W.  
 77.10 Road to Tucson and Vails, bears N. and S.  
 80.00 Junction of washes, courses N. and N. E.  
 ✓ Wash, 30 lks. wide, course N.  
 Set a granite stone 18 x 18 x 10 ins., 12 ins. in ground for cor. of secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 notches on E. edge, and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.  
 From the cor:  
 A mesquite, 12 ins. diam., bears N. 50 W., 218 lks. dist., marked T 18 S R 15 E S 10 B T.  
 Land, rolling and mountainous.  
 Soil, sandy and gravelly, 2nd and 3rd rate.  
 Timber, scattering mesquite.  
 Undergrowth, tesotilla.  
 -----  
 Thence I run  
 S. 0 - 01' E. bet. secs. 14 and 15.  
 Over rolling land.

Subdivisions of T. 18 S. R. 15 E.

Chains

- 4.50 Wash, 6lks. wide, course N. W.
- 21.50 Wash, 20 lks. wide, course N. W.
- 31.90 Road, bears N. W. and S. E.
- 32.20 Wash, 10 lks. wide, course N. W.
- 34.60 Wash, 8 lks. wide, course N. W.
- 40.00 Set a lime stone 18 x 8 x 5 ins., ~~12 ins. in ground~~ <sup>marked 1/4 on W. face</sup> for 1/4 sec. cor. in mound of stone, from which:
  - A tesota, 4 ins. diam., bears S. 56° W., 120 lks. dist., marked 1/4 S. 15 B T.
  - A tesota, 4 ins. diam., bears S. 53° E., 86 lks. dist., marked 1/4 S 14 B T.

Land, rolling and mountainous.  
Soil, gravelly and stony, 3rd and 4th rate.  
Timber, scattering tesota and mesquite.  
Undergrowth, tesotilla.

At this point I discontinue the line bet. secs. 14 and 15 on account of mountainous land.

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From the cor. of secs. 10, 11, 14 and 15.  
Thence I run

  - 8.80) Wash, 20 lks. wide, course N.
  - 16.00 Wash, 20 lks. wide, course N. 85 W.
  - 34.50 Slag dump, bears S., 3 chs. dist.
  - 40.00 Set a quartz stone 18 x 18 x 6 ins., ~~18 ins. in ground~~ <sup>marked 1/4 on W. face</sup> for 1/4 sec. cor., in mound of stone, from which:
    - A palo verde, 8 ins. diam., bears N. 0 3/4 W., 38 lks. dist., marked 1/4 S 11 B T.
    - A mesquite, 8 ins. diam., bears S. 14 W., 138 lks. dist., marked 1/4 S 14 B T.
  - 43.00 Wash, 15 lks. wide, course S. W.

Land, rolling and mountainous.  
Soil, gravelly and stony, 3rd and 4th rate.  
Timber, scattering mesquite, palo verde and tesota.  
Undergrowth, tesotilla.

At this point I discontinue the line bet. secs. 11 and 14 on account of mountainous land.

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From the cor. of secs. 10, 11, 14 and 15  
Thence I run

  - N. 0 - 01 W. bet. secs. 10 and 11
  - Over rolling land
  - 11.00 Wash, 12 lks. wide, course N. W.
  - 19.30 Wash, 10 lks. wide, course N. W.
  - 40.00 Set a granite stone 18 x 12 x 8 ins., 12 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.
  - 40.40 Wash, 20 lks. wide, course N. W.
  - 64.00 Wash, 20 lks. wide, course N. W. and then parallels line, 50 lks. W.
  - 74.00 Road, bears N. E. and S. W.
  - 75.20 Road, bears N. W. and S. E.
  - 79.90 Main road, bears N.N.E. and S.S.W.
  - 80.00 Set a lime stone 18 x 8 x 6 ins., ~~12 ins. in ground~~ for cor. of secs. 2, 3, 10 and 11, marked with 5 notches on the south and 2 notches on the east edge <sup>in a</sup> mound of stone from which:
    - A palo verde, 6 ins. diam., bears N. 35 1/2 E., 98 lks. dist., marked T 18 S R 15 E S 2 B T.
    - A palo verde, 6 ins. diam., bears S. 42 1/2 E., 132 lks. dist., marked T 18 S R 15 E S 11 B T.
    - A palo verde, 6 ins. diam., bears S. 79 W., 109 lks. dist., marked T. 18 S R 15 E S 10 B T.
    - A palo verde, 6 ins. diam., bears N. 54 1/2 W., 167 lks. dist., marked T 18 S R 15 E S 3 B T.

Land, rolling.  
Soil, gravelly, 2nd and 3rd rate.  
Timber, mesquite and palo verde.  
Undergrowth, tesotilla.

Chains

At this point I set off  $6^{\circ} - 58'$  S. on the decl. arc and at 11h 58m AM, 1. m. t., observe the sun on the meridian; the resulting lat. is  $31^{\circ} - 53'$  N., or within one minute of the proper latitude. October 11, 1905.

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Thence I run

- East on a true line bet.secs. 2 and 11
- Over rolling land
- 0.10 Road to Vails, bears N.W. thence N.E.
- 17.80 Wash, 20 lks. wide, course S.W.
- 31.00 Wash, 20 lks. wide, course N.W. *ascend*
- 40.00 Set a lime stone 14 x 8 x 8 ins., 9 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.
- 50.00 Top of ridge, bears N. and S. *descend*
- 60.00 Road, bears N.W. and S.E.
- 61.80 Gulch, 20 lks. wide, course N.
- 68.00 Road, bears N. and S.
- 74.30 Wash, 20 lks. wide, course N.E.
- 79.20 Wash, 20 lks. wide, course N.E.
- 80.00 Set a quartz stone 18 x 8 x 6 ins., 12 ins. in ground for cor. of secs.1, 2, 11 and 12, marked with 5 notches on S. and 1 notch on E. edge, and raise a mound of stone 2 ft. base 1  $1/2$  ft. high W. of cor. From the cor:  
A palo verde, 6 ins. diam., bears N. 57  $1/2$  W., 145 lks. dist., marked T 18 S. R. 15 E. S. 2 B T.  
No other bearing trees available.  
Land, mountainous.  
Soil, stony, 4th rate.  
Timber, none.  
Undergrowth, none.

-----  
Thence I run

- N. 0 - 01' W., on a random line, bet. secs. 1 and 2.
- 40.00 Set temp.  $1/4$  sec. cor.
- 79.90 Intersect N. bdy. of Twp., 5 lks. E. of the cor. of secs. 1, 2, 35 and 36 as previously set and described by me.
- Thence S. 0 - 03' E., on a true line
- Over mountainous land descending
- 25.70 Gulch, 30 lks. wide, course S.W. and ascend.
- 30.00 Ridge, bears N.W. and S.E. and descend.
- 37.00 Gulch, 1 ch. wide, course N.W. and ascend.
- 39.90 Set a porphory stone 18 x 10 x 8 ins., 12 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.  
From the cor:  
A mesquite, 4 ins. diam., bears S. 33 W., 39 lks. dist., marked  $1/4$  S 2 B T.  
No other bearing trees available.
- 42.00 Top of ridge, bears N.W. and S.E. *descend*
- 47.00 Gulch, 10 lks. wide, course N.W. and ascend.
- 52.00 Top of spur, bears N.W. and descend .
- 53.00 Dam, bears W., 10 chs. dist., in gulch.
- 65.00 Gulch, 1 ch. wide, course N.W. and ascend.
- 70.00 Top of ridge, bears N.W. and S.E. and descend.
- 75.00 Old smelter, bears E., 4 chs. dist.
- 78.00 Gulch, 1 ch. wide, course N.E. and ascend.
- 79.90 Cor. of secs. 1, 2, 11 and 12.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, none.  
Undergrowth, none.

October 11, 1905.

Subdivisions of T. 18 S. R. 15 E.

Chains

October 12, 1905: At the cor. of secs. 2, 3, 10 and 11 I set off  $31^{\circ} - 53' N.$  on the lat. arc,  $7^{\circ} - 18' S.$  on the decl. arc and <sup>at 8h. 40m. A.M. l.m.</sup> determine a meridian with the solar.

~~From the cor. of secs. 2, 3, 10 and 11~~  
Thence I run

N.  $0^{\circ} - 01' W.$ , on a random line, bet. secs. 2 and 3.  
40.00 Set temp.  $1/4$  cor.

79.92 Intersect N. bdy. of Twp. 3 lks. W. of the cor. of secs. 2, 3, 10 and 11 as previously set and described by me

Thence I run  
S.  $0^{\circ} - 01' E.$  on a true line

Over mountainous land  
4.50 Wash, 10 lks. wide, course N. 80 W.

16.70 Wash, 10 lks. wide, course N.W.

24.00 Wash, 10 lks. wide, course N. W.

31.85 Road to Vails, bears N.E.

37.40 Wash, 40 lks. wide, course S. W.

39.92 Set a lime stone  $14 \times 8 \times 8$  ins., 10 ins. in ground for  $1/4$  sec. cor., marked  $1/4$  on W. face, from which:

A palo verde, 5 ins. diam., bears S. 11 E., 47 lks. dist., marked  $1/4$  S 2 B T.

A palo verde, 10 ins. diam., bears S. 63 W., 153 lks. dist., marked  $1/4$  S 3 B T.

52.70 Wash, 20 lks. wide, course S.W.

64.00 Wash, 10 lks. wide, course S.W.

65.75 Wash, 15 lks. wide, course W.

67.40 Wash, 15 lks. wide, course N.W.

79.92 Cor. of secs. 2, 3, 10 and 11

Land, mountainous.  
Soil, Gravelly, 2nd and 3rd rate.  
Timber, palo verde and mesquite.  
Undergrowth, dense tesotilla.

~~From the cor. of secs. 9, 10, 15 and 16~~

Thence I run

N.  $0^{\circ} - 02' W.$  bet. secs. 9 and 10

Over mountainous land descending.

14.00 Foot of descent

17.00 Wash, 15 lks. wide, course N.W.

22.60 Wash, 15 lks. wide, course N.W.

31.00 Wash, 2 chs. wide, course N.W., then parallels line for 10 chs.

40.00 Set a granite stone  $18 \times 6 \times 5$  ins., 12 ins. in ground for  $1/4$  sec. cor., marked  $1/4$  on W. face, from which:

A palo verde, 10 ins. diam., bears N.  $83 \frac{3}{4} E.$ , 204 lks. dist., marked  $1/4$  S 10 B T.

A palo verde, 4 ins. diam., bears S. 44 W., 213 lks. dist., marked  $1/4$  S 9 B T.

49.20 Wash, 10 lks. wide, course N.W.

55.20 Wash, 15 lks. wide, course N.W.

80.00 Set a quartz stone  $18 \times 8 \times 6$  ins., 12 ins. in ground for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edge, and raise a mound of stone 2 ft base  $1 \frac{1}{2}$  ft. high W. of cor.

From the cor:

A mesquite, 5 ins. diam., bears S.  $20 \frac{3}{4} E.$ , 173 lks. dist., marked T 18 S R 15 E S 10 B T.

A mesquite, 5 ins. diam., bears N.  $19 \frac{1}{4} E.$ , 44 lks. dist., marked T 18 S R 15 E S 3 B T.

A mesquite, 4 ins. diam., bears N.  $33 \frac{1}{2} W.$ , 158 lks. dist., marked T 18 S R 15 E S 4 B T.

No other Bearing trees available.

Land, rolling and mountainous.

Soil, gravelly, 3rd rate.

Timber, mesquite.

Undergrowth, dense tesotilla.

October 12, 1905: At this point I set off  $7^{\circ} - 21' S.$  on the decl. arc; and at 11h 58m AM l. m. t., observe the sun on the meridian; the resulting lat. is  $37^{\circ} - 53' N.$ , which agrees within one minute of the proper latitude.

Subdivisions of T. 18 S. R. 15 E.

Chains

Thence East on a random line bet. secs. 3 and 10.  
 40.00 Set temp. 1/4 sec. cor.  
 80.04 Intersect N. and S. line 4 lks. N of cor. of secs. 2, 3, 10 and 11.  
 Thence on a true line  $N89^{\circ}58'W$   
 Over rolling land  
 0.70 Wash, 20 lks. wide, course N.W.  
 18.50 Wash, 20 lks. wide, course N.W., and ascend  
 25.00 Top of ridge, bears N.W. and S.E.  
 25.50 Begin descent  
 35.00 Wash, 20 lks. wide, course N.W.  
 40.02 Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, from which:  
 A mesquite, 6 ins. diam., bears S. 6 1/4 W., 157 lks. dist., marked 1/4 S 10 B T.  
 A mesquite, 5 ins. diam., bears N. 79 1/4 W., 122 lks. dist., marked 1/4 S 3 B T.  
 60.90 Wash, 15 lks. wide, course N.W.  
 62.60 Road, from Helvetia to Tucson, bears N.W. and S.E.  
 66.90 Wash, 10 lks. wide, course N.W.  
 72.50 Wash, 3 lks. wide, course N.W.  
 80.04 Cor. of secs. 3, 4, 9 and 10  
 Land, rolling and mountainous.  
 Soil, gravelly, 3rd rate.  
 Timber, scattering mesquite.  
 Undergrowth, tesotilla and cactii.

-----  
 Thence I run  
 N. 0 - 02' W. bet. secs. 3 and 4 ON A RANDOM LINE  
 40.00 Set temp. 1/4 sec. cor.  
 79.82 Intersect N. bdy. of Twp., 5 lks. E. of cor. of secs. 3, 4, 33 and 34 as previously set and described by me.  
 Thence  $S.0^{\circ}-04'E.$  on a true line  
 Over mountainous land  
 1.20 Wash, 20 lks. wide, course NW.  
 11.00 Wash, 20 lks. wide, course N.W.  
 13.60 Wash, 20 lks. wide, course N.W.  
 23.90 Gulch, 10 lks. wide, course N.W.  
 34.30 Wash, 10 lks. wide, course N.W.  
 39.82 Set a quartz stone 18 x 5 x 5 ins.; 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, from which:  
 A mesquite, 5 ins. diam., bears S. 80 1/4 W., 126 lks. dist., marked 1/4 S 4 B T.  
 A palo verde, 4 ins. diam., bears S. 33 E., 105 lks. dist., marked 1/4 S 3 B T.  
 42.10 Wash, 2 chs. wide, course N.W. and ascend.  
 46.50 Road from Helvetia to Tucson, bears NW and SE  
 53.30 Old road, bears N.W. and S.E.  
 65.00 Top of ridge, bears E. and W., and descend.  
 79.82 Cor. of secs. 3, 4, 9 and 10  
 Land, rolling and mountainous.  
 Soil, gravelly, 2nd rate.  
 Timber, dense palo verde and mesquite.  
 Undergrowth, tesotilla.

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 October 13, 1905: At 8h 55m AM 1. m. t., I set off  $31^{\circ}-49'N$  on the lat. arc,  $7^{\circ}-40'S.$  on the decl. arc and determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Twp. as previously set and described by me.

-----  
 Thence I run  
 N. 0 - 02' W. bet. secs. 32 and 33  
 Over rolling land  
 5.00 Wash, 20 lks. wide, course S.W.  
 19.50 Wash, 20 lks. wide, course S.W.  
 40.00 Set a granite stone 18 x 8 x 6 ins., 12 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.  
 From the cor:-  
 A MESQUITE, 6" diam, bears N. 23 1/2 W., 100 lks. DIST, MARKED 1/4 S 32 B T.  
 NO OTHER BEARING TREES AVAILABLE

Subdivisions of T. 18 S. R. 15 E.

Chains

- 44.70 Wash, 60 lks. wide, course S.W.
- 47.20 Wash, 1 ch. wide, course S.W.
- 53.40 Road, bears E. and W.
- 54.50 Wash, 50 lks. wide, course S.W.
- 61.00 Begin ascent
- 64.00 Top of ridge, bears E. and W., and descend
- 69.00 Foot of descent
- 70.00 Wash, 30 lks. wide, course N. 89 W.
- 78.80 Wash, 10 lks. wide, course S.W.
- 80.00 Set a granite stone 18 x 6 x 6 ins., 12 ins. in ground  
for cor. of secs. 28, 29, 32 and 33, marked with 1  
notch on S. and 4 notches on E. edge and raise a mound  
of stone 2 ft. base 1 1/2 ft. high W. of cor.  
From the cor.  
A tesota, 5 ins. diam., bears S. 21 E., 180 lks. dist.,  
marked T. 18 S.R 15 E S 33 B T.  
Land, rolling and mountainous  
Soil, gravelly, 2nd and 3rd rate  
Timber, none  
Undergrowth, tesotilla and mesquite
- 
- Thence I run  
East on a random line bet. secs. 28 and 33
- 40.00 Set a temp 1/4 sec. cor.
- 80.00 Intersect N. and S. line at the cor. of secs. 27, 28,  
33 and 34
- Thence West on a true line  
Over mountainous land ascending
- 40.00 Set a granite stone 18 x 8 x 8 ins., 12 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.
- 43.00 Top of ridge, 600 ft. high, bears N. and S., and descend
- 50.00 Gulch, 15 lks. wide, course N.W.
- 52.00 Gulch, 15 lks. wide, course S.W.
- 58.00 *Quilt is the wild course west*
- 80.00 Cor. of secs. 28, 29, 32 and 33  
Land, mountainous  
Soil, gravelly, 3rd rate  
Timber, none  
Undergrowth, tesotilla and mesquite.
- 
- Thence I run  
N. 0 - 02' W. bet. secs. 28 and 29  
Over rolling and mountainous land
- 11.50 Wash, 20 lks. wide, course W. and ascend
- 25.00 Top of ridge, bears E. and W. and descend
- 34.30 Wash, 30 lks. wide, course N.W.
- 34.50 Wash, 50 lks. wide, course N.W.
- 40.00 Set a granite stone 18 x 8 x 5 ins., 12 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.
- 55.00 Wash, 10 lks. wide, course S.W.
- 60.00 Wash, 20 lks. wide, course S.W.
- 63.00 Wash, 10 lks. wide, course S.W.
- 64.00 Wash, 10 lks. wide, course S.W.
- 80.00 Set a granite stone 18 x 8 x 8 ins., 12 ins. in ground  
for cor. of secs. 20, 21, 28 and 29, marked with 2 not-  
ches on S. and 4 notches on E. edge; dig pits 18 x 18  
x 12 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, mountainous  
Soil, gravelly, 3rd rate.  
Timber, none  
Undergrowth, tesotilla
- 
- Thence I run  
East on a random line bet. secs. 21 and 28
- 40.00 Set temp. 1/4 sec. cor.
- 77.96 Intersect N. and S. line 6 lks.  $\swarrow$  of cor. of secs. 21,  
22, 27 and 28

Subdivisions of T. 18 S. R. 15 E.

Chains

Thence I run  
*N. 89 - 59' W.* on a true line  
 Over mountainous land  
 10.00 Wash, 10 lks. wide, course N.W.  
 27.00 Gulch, 10 lks. wide, course N.W. *ascend*  
 33.00 Top of ridge, 200 ft. high, bears N. and S., and descend  
 39.98 Set a granite stone 18 x 8 x 6 ins., 12 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 bearing trees available.  
 40.80 Wash, 5 lks. wide, course N., and ascend  
 50.00 Top of ridge, 300ft. high, bears N. and S. and descend  
 69.00 Wash, 10 lks. wide, course N.W.  
 79.96 Cor. of secs. 20, 22, 28 and 29  
 Land, mountainous  
 Soil, gravelly, 3rd rate  
 Timber, none  
 Undergrowth, tesotilla.

Thence I run  
 N. 0 - 02' W. bet. secs. 20 and 21  
 Over mountainous land *ascending*  
 1.60 Road, bears N.E. and S.W.  
 10.00 Top of ridge, 100' high, bears E. and W., and descend  
 20.00 Wash, 1 ch. wide, course S.W.  
 26.00 Wash, 10 lks. wide, course S.W.  
 39.10 Wash, 20 lks. wide, course S.W.  
 40.00 Set a granite stone 18 x 8 x 5 ins., 12 ins. in ground  
 for 1/4 sec. cor., marked 1/4 on W. face, dig pits 18 x  
 18 x 12 ins. N. and 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 bearing trees available.  
 59.90 Wash, 20 lks. wide, course S.W.  
 80.00 Set a quartz stone 18 x 8 x 8 ins., 12 ins. in ground  
 for cor. of secs. 16, 17, 20 and 21, marked with 3  
 notches on S. and 4 notches on E. edge, and raise a  
 mound of stone 2ft. base 1 1/2 ft. high W. of cor.  
 From the cor.  
 A tesota, 8 ins. diam., bears S. 80 W., 217 lks. dist.,  
 marked T 18 S R 15 E S 20 B T.  
 A mesquite, 4 ins. diam., bears N. 60 1/2 E., 62 lks.  
 dist., marked T 18 S R 15 E S 16 B T.  
 No other bearing trees available.  
 Land, level, rolling and mountainous.  
 Soil, gravelly, 2nd and 3rd rate.  
 Timber, none.  
 Undergrowth, tesotilla.

Thence I run  
*S. 89 - 57' E.* on a random line bet. secs. 16 and 21  
 40.00 Set temp. 1/4 sec. cor.  
 79.94 Intersect N. and S. line 4 lks. S. of cor. of secs. 16,  
 16, 21 and 22.  
 Thence *N. 89 - 59' W.* on a true line  
 Over level land.  
 2.35 Wire fence bears N. and S.  
 10.30 Wash, 20 lks. wide, course N.W.  
 28.20 Wash, 10 lks. wide, course N.W.  
 28.40 Road, bears N.W. and S.E.  
 39.97 Set a sand stone 18 x 8 x 8 ins., 12 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 bearing trees available.  
 66.00 Wash, 1 ch. wide, course N.W.  
 74.60 Wash, 30 lks. wide, course N.W.  
 79.94 Cor. of secs. 16, 17, 20 and 21.  
 Land, level and rolling.  
 Soil, sandy, 2nd rate.  
 Timber, none.  
 Undergrowth, tesotilla.

October 13, 1905.

Subdivisions of T. 18 S. R. 15 E.

Chains

October 14, 1905: At 9h 05m AM, 1. m. t., I set off  $31^{\circ} 51' N.$  on the lat. arc,  $8^{\circ} - 08' S!$  on the decl: arc and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21.

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Thence I run  
N. 0 - 02' W. bet. secs. 16 and 17.  
Over rolling land.

40.00 ✓ Set a quartz stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face from which:  
A palo verde, 7 ins. diam., bears N.  $87 \frac{1}{4} E.$ , 216 lks. dist., marked 1/4 S16 B T.  
A mesquite, 6 ins diam., bears N.  $0 \frac{3}{4} W.$ , 355 lks. dist., marked 1/4 S 17 B T.

51.20 Old road, bears N.W. and S.E.  
56.70 Wash, 20 lks. wide, course N.W.  
65.50 Wash, 10 lks. wide, course N.W.  
70.70 Wash, 10 lks. wide, course N.W.  
80.00 ✓ Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 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 bearing trees available.  
Land, level and rolling.  
Soil, sandy; 2nd rate.  
Timber, none.  
Undergrowth, tesotilla.

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Thence I run  
 $S. 89^{\circ} - 59' E.$  on a random line bet. secs. 9 and 16

40.00 ✓ set temp. 1/4 sec. cor.  
~~79.98~~ Intersect N. and S. line 3 lks. N. of cor. of secs. 9, 10, 15 and 16  
Thence N.  $89^{\circ} - 58' W.$  on a true line  
Over mountainous land ascending.

6.00 Top of ridge, bears N. and S. and descend  
25.00 Foot of descent.  
~~39.99~~ ✓ Set a granite stone 18 x 6 x 5 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. N. of cor. From the cor:  
A mesquite, 4 ins. diam., bears S.  $16 \frac{1}{2} W.$ , 230 lks. dist., marked 1/4 S 16 B T.  
No other bearing trees available

46.00 Wash, 15 lks. wide, course N.W.  
57.70 Wash, 10 lks. wide, course N.W.  
68.00 Wash, 10 lks. wide, course N.W.  
72.30 Wash, 10 lks. wide, course N.W.  
77.30 Wash, 10 lks. wide, course N.W.  
~~79.98~~ Cor. of secs. 8, 9, 16 and 17.  
Land, mountainous and level.  
Soil, gravelly, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, dense tesotilla.

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Thence I run  
N. 0 - 02' W, bet. secs. 8 and 9  
Over level and rolling land

2.10 Wash, 10 lks. wide, course N.W.  
12.00 Wash, 10 lks. wide, course N.W.  
17.30 Wash, 10 lks. wide, course N.W.  
39.70 Wash, 20 lks. wide, course N.W.  
40.00 ✓ Set a quartz stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face from which:  
A mesquite, 8 ins. diam., bears S.  $44 \frac{1}{2} E.$ , 161 lks. dist., marked 1/4 S 9 B T.  
A tesota, 6 ins. diam., bears N.  $87 \frac{1}{4} W.$ , 110 lks. dist., marked 1/4 S 8 B T.

## Subdivisions of T. 18 S. R. 15 E.

## Chains

- 50.50 Wash, 20 lks. wide, course N.W.  
 54.50 Old road bears N.W. and S.E.  
 70.70 Wash, 20 lks. wide, course N.W.  
 77.70 Wash, 20 lks. wide, course N.W.  
 80.00 Set a granite stone 18 x 8 x 5 ins., in a mound of stone, marked with 5 notches on S. and 4 notches on E. edge for cor of secs. 4, 5, 8 and 9. From the cor.  
 A mesquite, 4 ins. diam., bears N. 34 3/4 E., 110 lks. dist., marked T 18 S R 15 E S 4 B T.  
 A palo verde, 6 ins. diam., bears S. 20 1/4 E., 130 lks. dist., marked T 18 S R 15 E S 9 B T.  
 A mesquite, 6 ins. diam., bears S. 46 1/2 W., 152 lks. dist., marked T 18 S R 15 E S 8 B T.  
 A mesquite, 4 ins. diam., bears N. 76 1/4 W., 66 lks. dist., marked T 18 S R 15 E S 5 B T.  
 Land, rolling.  
 Soil, gravelly, 2nd and 3rd rate.  
 Timber, a few mesquite and palo verde.  
 Undergrowth, dense palo verde, mesquite and tesotilla.
- October 14, 1905: At this point I set off 8° - 06' S. on the decl. arc and at 11h 55m AM., 1. m. t., observe the sun on the meridian; the resulting lat. is 31° - 53' N. or within one minute of the proper latitude.
- Thence I run  
 S. 89° - 58' E. on a random line bet. secs. 4 and 9
- 40.00 Set temp. 1/4 sec. cor.  
 79.96 Intersect N. and S. line 6 lks. N. of cor. of secs. 3, 4, 9 and 10  
 Thence N. 89° - 55' W. on a true line -  
 Over rolling land as ending
- 30.00 Top of ridge, bears N. and S. and descend  
 35.00 Foot of descent  
 39.98 Set a quartz stone 18 x 6 x 5 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, from which:  
~~A palo verde, 4 ins. diam., bears N. 85 1/4 E., 250 lks. dist., marked 1/4 S 4 B T.~~  
 A palo verde, 8 ins. diam., bears S. 5 1/4 W., 140 lks. dist., marked 1/4 S 9 B T.
- 46.05 Old road, bears N.W. and S.E.  
 48.00 Wash, 20 lks. wide, course N.W.  
 51.00 Wash, 20 lks. wide, course N.W.  
 59.70 Wash, 20 lks. wide, course N.W.  
 72.70 Wire fence, bears N. and S.  
 79.96 Cor. of secs. 4, 5, 8 and 9  
 Land, level and rolling.  
 Soil, sandy, 2nd rate.  
 Timber, mesquite and palo verde.  
 Undergrowth, dense mesquite and palo verde
- Thence I run  
 N. 0° - 02' W. on a random line bet. secs. 4 and 5.
- 40.00 Set temp. 1/4 sec. cor.  
 79.70 Intersect N. bdy. of Twp. 2 lks. E. of cor. of secs. 4, 5, 32 and 33 as previously set and described by me.  
 Thence S. 0° - 03' E. on a true line
- 6.20 Old road, bears N.W. and S.E.  
 8.00 Wash, 20 lks. wide, course N.W.  
 20.00 Wash, 20 lks. wide, course N.W.  
 27.70 Wash, 20 lks. wide, course N.W.  
 36.70 Wash, 20 lks. wide, course N.W.  
 39.70 Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, from which:  
 A mesquite, 5 ins. in diam., N. 65 1/2 W., 77 lks. dist., marked 1/4 S 5 B T.  
 A mesquite, 24 ins. in diam., bears S. 39 E., 158 lks. dist., marked 1/4 S 4 B T.
- 52.40 Wash, 20 lks wide, course N.W.

Subdivisions of T. 18 S. R. 15 E.

Chains

63.20 Wash, 20 lks. wide, course N.W.  
 65.50 Wire fence, bears N.W. and S.E.  
 65.90 Wash, 100 lks. wide, course N.W.  
 79.70 Cor. of secs. 4, 5, 8 and 9.  
 Land, level and rolling.  
 Soil, gravelly, 2nd rate.  
 Timber, mesquite and palo verde.  
 Undergrowth, mesquite.

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October 15, 1905: At 8h 58m AM., 1. m. t., I set off 31°-49' N. on the lat. arc, 8°-25' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Twp. as previously set and described by me.

x -----

Thence I run  
 N. 0° 03' W. bet secs. 31 and 32.  
 Over level and rolling land, in draw.

4.35 Wash, 10 lks. wide, course N.W.  
 8.00 Leave draw, Course N.W.  
 26.85 Wash, 20 lks. wide, course N.W.  
 40.00 Set a sand stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, from which:  
 A mesquite, 8 ins. diam., bears S. 88 E., 320 lks. dist., marked 1/4 S 32 B T.  
 A mesquite, 4 ins. diam., bears S. 31 1/2 W., 333 lks. dist., marked 1/4 S 31 B T.

65.00 Wash, 1 ch. wide, course N.W.  
 80.00 Set a granite stone 18 x 10 x 6 ins., 12 ins. in ground for cor. of secs. 29, 30, 31 and 32, dig pits 18 x 18 x 12 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 bearing trees available.  
 Land, level and rolling.  
 Soil, sandy, 2nd rate.  
 Timber, scattering mesquite.  
 Undergrowth, mesquite.

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Thence I run  
 East on a random line bet. secs. 29 and 32 \*

40.00 Set temp. 1/4 sec. cor.  
 79.98 Intersect N. and S. line 2 lks. S. of cor. of secs. 28, 29, 32 and 33  
 Thence S. 89° - 59' W. on a true line  
 Over rolling land descending.

7.60 Wash, 10 lks. wide, course N.W.  
 16.80 Wash, 15 lks. wide, course N.W.  
 23.60 Wash, 15 lks. wide, course N.W.  
 24.50 Road, bears N.W. and S.E.  
 39.99 Set a granite stone 18 x 12 x 10 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, dig pits 18 x 18 x 12 ins. E. and W, of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor. No bearing trees available.

46.30 Old road, bears N.E. and S.W.  
 79.98 Cor. of secs. 29, 30, 31 and 32.  
 Land, level and rolling.  
 Soil, gravelly, 2nd rate.  
 Timber, none.  
 Undergrowth, dense mesquite and tesotilla.

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October 15, 1905: At this point I set off 8° - 28' S. on the decl. arc and at 11h 58m AM., 1. m. t., observe the sun on the meridian; the resulting lat. is 31° - 41/2' N. or within one minute of the proper latitude.

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*Compared to here*

x

4.35  
8.00  
26.85  
40.00  
65.00  
80.00  
40.00  
79.98  
7.60  
16.80  
23.60  
24.50  
39.99  
46.30  
79.98

Subdivisions of T. 18 S. R. 15 E.

Chains	
	Thence I run
	West on a true line bet. secs. 30 and 31.
26.00	Wash, 15 lks. wide, course N.W.
35.00	Wash, 10 lks. wide, course N.W.
38.50	Road to Helvetia, N. E.
40.00	Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. <sup>marked 1/4 on N. face</sup> cor., dig pits 18 x 18 x 12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor.
82.37	Intersect W. bdy. of Twp. S. 0 - 14! W., 11.32 chs. from the 1/4 sec. cor. of sec. 25, T. 18 S. R. 14 E. Set a granite stone 18 x 8 x 8 ins., 12 ins. in ground for closing cor., marked with 5 notches on N. and 1 notch on S. face, and C.C. on E. face, and raise a mound of stone 2 ft. base 1 1/2 ft. high E. of cor.
	Land, level.
	Soil, gravelly, 2nd rate.
	Timber, none.
	Undergrowth, tesotilla.
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	Thence I run
	N. 0 - 03' W. bet. secs. 29 and 30.
	Over level land.
40.00	Set a quartz stone 18 x 8 x 5 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, from which: A mesquite, 8 ins. diam., bears N. 46 W., 222 lks. dist., marked 1/4 S 30 B T.
	Dig pits 18 x 18 x 12 ins. N. and 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.
45.20	Gulch, 10 lks. wide, course N.W.
54.70	Wash, 1 ch. wide, course N.W.
56.50	Wash, 1 ch. wide, course S.W.
62.20	Old road, bears N.E. and S.W.
80.00	Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for cor of secs. 19, 20, 29 and 30, marked with 2 notches on S. and 5 notches on E edge. From the cor: A mesquite, 14 ins. diam., bears N. 18 1/2 E., 159 lks. dist., marked T 18 S R 15 E S 20 B T. Dig pits 18 x 18 x 12 ins. <sup>S.E. and N.W. of cor. 5/2 ft. dist.</sup> and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, gently rolling.
	Soil, gravelly, 2nd and 3rd rate.
	Timber, none.
	Undergrowth, dense mesquite and tesotilla.
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	October 16, 1905: At 8h 47m AM., 1. m. t., I set off 31° - 50' N. on the lat. arc, 8° - 47' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.
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	Thence I run
	N. 89 - 59' E. on a random line bet. secs. 20 and 29.
40.00	Set temp. 1/4 sec. cor.
80.02	Intersect N. and S. line 5 lks. S. of cor. of secs. 20, 21, 28 and 29.
	Thence S. 89 - 57' W. on a true line.
0.45	Road, bears N.E. and S.W.
20.60	Wash, 20 lks. wide, course S.W.
40.01	Set a granite stone 18 x 8 x 8 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face from which: A tesota, 4 ins. diam., bears S. 33 1/4 E., 21 lks. dist., marked 1/4 S 29 B T.
	A tesota, 4 ins. diam., bears N. 12 1/2 W, 52 lks. dist., marked 1/4 S 20 B T.
69.00	Wash, 3 chs. wide, course S. 85 W.
72.00	Wash, 3 chs. wide, course N.W.
80.02	Cor. of secs. 19, 20, 29 and 30.
	Land, gently rolling,
	Soil, gravelly, 2nd rate.
	Timber, none.
	Undergrowth, tesotilla.

Chains

Thence I run  
 West on a true line bet. secs. 19 and 30.  
 9.45 Road to Helvetia, bears N.E. and S.W.  
 40.00 Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground  
 for 1/4 sec. cor., marked 1/4 on N. face, dig pits 18  
 x 18 x 12 ins. E. and W. of cor. 3 ft. dist., and raise  
 a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.  
 51.00 Wash, 20 lks. wide, course N. W.  
 74.00 Wash, 30 lks. wide, course N. W.  
 81.92 Intersect W. bdy. of Twp.S. 0 - 19' W., 10.47 chs. from  
 the 1/4 sec. cor. of sec. 24 T. 18 S. R. 14 E.  
 Set a granite stone 18 x 6 x 6 ins., 12 ins. in ground  
 marked with 2 notches on S., 4 notches on N., and C C  
 on E. face, and raise a mound of stone 2 1/2 ft. base  
 1 1/2 ft. high E. of cor.  
 Land, level.  
 Soil, gravelly 3rd rate.  
 Timber, none.  
 Undergrowth, dense mesquite and tesotilla.  
 -----  
 At this point I set off 8° - 50' S. on the decl. arc  
 and at 1h 56m AM., 1. m. t., observe the sun ~~on the~~  
~~sun~~ on the meridian; the resulting lat. is 31° - 50' N.  
 which agrees within one minute of the proper lat.  
 -----  
 From the cor. of secs. 19, 20, 29 and 30  
 Thence I run  
 N. 0 - 03' W. bet. secs. 19 and 20  
 Over level land.  
 1.00 Wash, 20 lks. wide, course N.W.  
 21.10 Road, bears N.E. and S.W.  
 26.00 Wash, 30 lks. wide, course N.W.  
 30.00 Wash, 1 ch. wide, course N.W.  
 34.80 Gulch, 10 lks. wide, course N.W.  
 40.00 Set a quartz stone 18 x 8 x 5 ins., 12 ins. in ground  
 for 1/4 sec. cor., marked 1/4 on W. face, from which:  
 A mesquite, 8 ins. diam., bears N. 38 1/4 E., 222 lks.  
 dist., marked 1/4 S 20 B.T. S. 1 20 B.T.  
 A mesquite, 4 ins. diam., bears S 55 1/2 W., 60 lks.  
 dist., marked 1/4 S 19 B.T.  
 47.50 Wash, 10 lks. wide, course N.W.  
 73.30 Wash, 20 lks. wide, course N.W.  
 80.00 Set a quartz stone 18 x 8 x 6 ins., 12 ins. in ground  
 for cor. of secs. 17, 18, 19 and 20, marked with 3  
 notches on S. and 5 notches on E. edge, dig pits 18 x  
 18 x 12 ins. N.E. and N.W. of cor. 5 1/2 ft. dist.,  
 and raise a mound of earth 3 1/2 ft. base 1 1/2 ft.  
 high W. of cor. From the cor:  
 A palo verde, 6 ins. diam., bears S. 21 1/2 E., 142 lks.  
 dist., marked T. 18 S. R. 15 E S 20 B T.  
 A mesquite, 8 ins. diam., bears S. 49 1/2 W., 104 lks.  
 dist., marked T 18 S R 15 E S 19 B T.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 Timber, none.  
 Undergrowth, dense mesquite and tesotilla.  
 -----  
 Thence I run  
 N, 89 - 57' E. on a random line bet. secs. 17 and 20.  
 40.00 Set temp. 1/4 sec. cor.  
 80.06 Intersect N. and S. line 2 lks. N. of cor. of secs. 16,  
 17, 20 and 21.  
 Thence S. 89 - 58' W. on a true line  
 Over level land.  
 5.30 Wash, 10 lks. wide, course N.W.  
 38.00 Round hill, bears S., 4 chs. dist., 500' base 200' high  
 40.03 Set a granite stone 18 x 8 x 5 ins., 12 ins. in ground for 1/4 sec. cor  
 marked 1/4 on N. face, dig pits 18 x 18 x 12 ins. E.  
 and W. of cor. 3 ft. dist., and raise a mound of earth  
 3 1/2 ft. base 1 1/2 ft. high N. of cor. From the cor:

Subdivisions of T. 18 S. R. 15 E.

Chains

A mesquite, 6 ins. diam., bears S. 39 W., 106 lks. dist., marked 1/4 S 20 B T.  
 No other bearing trees available.

45.00 Enter wash, course W.  
 53.00 Leave wash, course N.W.  
 67.90 Wash, 20 lks. wide, course N.W.  
 80.06 Cor. of secs. 17, 18, 19 and 20.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 Timber, a few mesquite.  
 Undergrowth, tesotilla.

-----  
 October 17, 1905: At 8h 43m AM., 1. m. t., I set off 9° - 09' on the decl. arc, 31° - 51' N. on the lat. arc and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.  
 -----

Thence I run  
 West on a true line bet. secs. 18 and 19.

33.00 Wash, 20 lks. wide, course N.W.  
 40.00 Set a granite stone 18 x 6 x 5 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, dig pits 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.

46.20 Wash, 15 lks. wide, course N.W.  
 57.80 Old road, bears N.W. and S.E.  
 72.20 Wash, 10 lks. wide, course N.W.  
 77.20 Wash, 10 lks. wide, course N.W.  
 81.66 Intersect W. bdy. S. 0° 06' W., 10.45 chs. from the 1/4 sec. cor. S. 13° 18' E. S. R. 14 E.  
 ✓ Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for closing sec. cor., marked with 3 notches on N. and 3 notches on S. and C C on E. face, raise a mound of stone 2 ft. base 1 1/2 ft. high E of cor. From the cor:  
 A mesquite, 5 ins. diam., bears S. 60 1/4 E., 3 1/6 lks. dist., marked T 18 S R 15 E S 19 B T.  
 A mesquite, 4 ins. diam., bears N. 6 3/4 E., 59 lks. dist., marked T 18 S R 15 E S 18 B T.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 Timber, scattering mesquite.  
 Undergrowth, tesotilla.

-----  
 From the cor. of secs. 17, 18, 19 and 20.  
 Thence I run.  
 N. 0 - 03' W. bet. secs. 17 and 18.  
 Over level land

10.50 Wash, 20 lks. wide, course N.W.  
 18.70 Old road, bears N.W. and S.E.  
 29.50 Wash, 20 lks. wide, course N.W.  
 40.00 Set a quartz stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, dig pits 18 x 18 x 12 ins. N. and S. of cor. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.

43.00 Wash, 20 lks. wide, course N.W.  
 63.80 Wash, 20 lks. wide, course N.W.  
 70.50 Wash, 20 lks. wide, course N.W.  
 75.00 Wash, 20 lks. wide, course N.W.  
 80.00 Set a granite stone 18 x 8 x 5 ins., 12 ins. in ground for cor. of secs. 7, 8, 17 and 18 marked with 4 notches on S. and 5 notches on E. edge, dig pits 18 x 18 x 12 ins. N.E. and N.W. of cor., 5 1/2 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor. From the cor:  
 A palo verde 5 ins. diam., bears S. 14 1/2 E., 17 lks. dist., marked T 18 S R 15 E S 17 B T.  
 A mesquite, 8 ins. diam., bears S. 86 1/4 W., 171 lks. dist., marked T 18 S R 15 E S 18 B T.  
 Land, level. Soil, gravelly, 3rd rate. Timber, a few mesquite. Undergrowth, tesotilla.

Subdivisions of T. 18 S. R. 15 E.

Chains

October 17, 1905: At this point I set off 9° - 12' on the decl. arc and at 11h 55m AM., 1. m. t., observe the sun on the meridian; the resulting lat. is 31° - 52' N. which agrees within one minute of the proper lat.

Thence I run  
N. 89 - 58' E. on a random line bet. secs. 8 and 17.

40.00 Set temp. 1/4 sec. cor.  
79.98 Intersect N. and S. line 5 lks. S. of cor. of secs. 8, 9, 16 and 17.

Thence S. 89 - 56' W. on a true line.  
Over rolling and level land.

24.60 Wash, 20 lks. wide, course N.W.  
30.00 Wash, 20 lks. wide, course N.W.  
33.80 Old road, bears N.W. and S.E.  
39.99 Set a quartz stone 18 x 8 x 8 ins., 12 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.

From the cor:  
A palo verde, 5 ins. diam., bears S. 24 1/2 E., 22 lks. dist., marked 1/4 S 17 B T.

49.00 Old road, bears N.W. and S.E.  
51.10 Wash, 10 lks. wide, course N.W.  
65.50 Wash, 20 lks. wide, course N.W.  
79.98 Cor. of secs. 7, 8, 17 and 18.

Land, level and rolling.  
Soil, gravelly, 3rd rate.  
Timber, none.  
Undergrowth, tesotilla.

Thence I run  
West on a true line bet. secs. 7 and 18.  
Over level land

2.40 Wash, 10 lks. wide, course N.W.  
4.20 Wash, 20 lks. wide, course N.W.  
22.30 Wash, 15 lks. wide, course N.W.  
36.30 Wash, 20 lks. wide, course N.W.  
40.00 Set a granite stone 18 x 6 x 5 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.

48.40 Wash, 10 lks. wide, course N.W.  
70.00 Old road, bears N. W. and S.E.  
82.80 Wash, 20 lks. wide course N.W.  
83.25 Intersect W. bdy. of Twp. S. 0° - 12' W., 9.14 chs. from the 1/4 sec. cor. S. 12 1/2 E. 18 S. R. 14 E.

Set a quartz stone 18 x 8 x 8 ins., 12 ins. in ground for closing sec. cor., marked with 2 notches on N. and 4 notches on S. and C C on E. face, from which:

A palo verde, 6 ins. diam., bears S. 21 E., 155 lks. dist., marked T 18 S R 15 E S 18 B T.  
A mesquite 8 ins. diam., bears N. 79 3/4 E., 155 lks. dist., marked T 18 S R 15 E S 7 B T.

Land, level.  
Soil, gravelly, 2nd rate.  
Timber, palo verde and mesquite.  
Undergrowth, palo verde and tesotilla.

October 18, 1905: At 8h 38m AM., 1. m. t., I set off 31° - 52' N. on the lat. arc, 9° - 31' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 7, 8, 17, and 18.

Thence I run  
N. 0 - 03' W. bet. secs. bet. secs. 7 and 8.

Over level land.  
4.80 Wash, 20 lks. wide, course N.W.  
19.00 Road, bears N.W. and S.E.  
27.30 Wash, 15 lks. wide, course N.W.

Subdivisions of T. 18 S.R. 15 E.

Chains

35.00 Wash, 15 lks. wide, course N.W.  
 40.00 Set a quartz stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, from which:-  
*A palo verde, 6 ins. diam., bears S. 83° E., 58 lks. dist., marked 1/4 S 8 B T.*  
*A palo verde, 4 ins. diam., bears S. 73 1/4° W., 50 lks. dist., marked 1/4 S 7 B T.*

47.60 Wash, 20 lks. wide, course N.W.  
 55.50 Wash, 2 chs. wide, course N.W.  
 62.50 Wash, 20 lks. wide, course S.W.

80.00 Set a quartz stone 18 x 8 x 6 ins., 12 ins. in ground for cor. of secs. 5, 6, 7 and 8, marked with 5 notches on S. and 5 notches on E. edge, dig pits <sup>18 x 18 x 12 ins.</sup> N.W. and S.E. of cor. 5 1/2 ft. dist., and raise a mound of earth

4 ft 3 1/2 ft. base 1 1/2 ft. high W. of cor. From the cor:  
 A palo verde, 5 ins. diam., bears N. 61 1/4 E., 215 lks. dist., marked T 18 S R 15 E S 5 B T.

A mesquite, 8 ins. diam., bears S. 62 1/2 W., 202 lks. dist., marked T 18 S R 15 E S 7 B T.

No other bearing trees available.

Land, level.

Soil, Gravelly, 2nd rate.

Timber, mesquite and palo verde.

Undergrowth, palo verde.

-----  
 Thence I run

N. 89 - 56' E. on a random line bet. secs. 5 and 8.

40.00 Set temp. 1/4 sec. cor.

79.94 Intersect N. and S. line 4 lks. N. of cor. of secs. 4, 5, 8 and 9.

Thence S. 89 - 58' W. on a true line

Over level land.

3.00 Wash, 20 lks. wide, course N.W.

9.00 Old road, bears N.W. and S.E.

14.00 Wash, 20 lks. wide, course N.W.

16.00 Wash, 1.50 chs. wide, course N.W.

23.60 Wash, 40 lks. wide, course N.W.

39.97 Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor. From the cor:

A palo verde, 4 ins. diam., bears S. 50 3/4 W., 208 lks. dist., marked 1/4 S 8 B T.

No other bearing trees available.

41.60 Wash, 30 lks. wide, course N.W.

49.00 Wash, 2 chs. wide, course N.W.

61.90 Wash, 20 lks. wide, course N.W.

73.50 Wash, 15 lks. wide, course N.W.

79.94 Cor. of secs. 5, 6, 7 and 8.

Land, level.

Soil, gravelly, 3rd rate.

Timber, Mesquite and palo verde.

Undergrowth, dense mesquite and tesotilla.

-----  
 October 18, 1905: At this point I set off 9° - 34' S on the decl. arc and at 11h 57m AM., 1. m. t., observe the sun on the meridian; the resulting lat. is 31° - 53' N. which agrees with the proper lat.

-----  
 Thence I run

West on a true line bet. secs. 6 and 7.

Over level land.

10.00 Wash, 10 lks. wide, course N.W.

20.00 Wash, 20 lks. wide, course N.W.

26.30 Wash, 20 lks. wide, course N.W.

30.20 Wash, 20 lks. wide, course N.W.

38.50 Wash, 30 lks. wide, course N.W.

40.00 Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, from which:

## Subdivisions of T. 18 S. R. 15 E.

18

Chains

- ✓ A palo verde, 6 ins. diam., bears N. 79 3/4 E., 56 lks. dist., marked 1/4 S 6 B T.  
 A palo verde, 4 ins. diam., bears S. 28 W., 106 lks. dist., marked 1/4 S 7 B T.  
 42.30 Wash, 20 lks. wide, course N.W.  
 64.80 Wash, 2 chs. wide, course N.W.  
 83.08 Intersect W. bdy. of Twp. S. 0 - 09' W. 6.82 chs. from the 1/4 sec. cor. S. 1 1/4 S.R. 14 E.  
 ✓ Set a quartz stone 18 x 8 x 6 ins., 12 ins. in ground for closing sec. cor., marked with 1 notch on N. and 5 notches on S. and C C on E. face, and raise a mound of stone 2 ft. base 1 1/2 ft. high E. of cor.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 Timber, mesquite and palo verde.  
 Undergrowth, dense tesotilla.
- 
- From the cor. of secs. 5, 6, 7 and 8  
 Thence I run  
 N. 0 - 03' W. on a random line bet. secs. 5 and 6.  
 40.00 Set temp. 1/4 sec. cor.  
 79.70 Intersect N. bdy. of Twp. 4 lks. W. of cor. of secs. 5, 6, 31 and 32 as previously set and described by me.  
 Thence S. 0 - 01' E. on a true line  
 Over level land  
 15.20 Wash, 10 lks. wide, course N.W.  
 31.20 Wash, 10 lks. wide, course N.W.  
 39.70 Set a granite stone 18 x 8 x 6 ins., 12 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face, dig pits 18 x 18 x 12 ins. N. and S. of cor. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.  
 ✓ 45.60 Wash, 20 lks. wide, course N.W.  
 49.20 Wash, 20 lks. wide course N.W.  
 52.00 Wash, 20 lks. wide, course N.W.  
 65.30 Wash, 20 lks. wide, course N. W.  
 79.70 Cor. of secs. 5, 6, 7 and 8.  
 Land, level.  
 Soil, gravelly, 2nd rate.  
 Timber, mesquite and palo verde.  
 Undergrowth, dense tesotilla.
- 

*Edgar C. Dietrich*

U. S. Deputy Surveyor.

The greatest part of this township is mountainous and mineral lands. The western portion is level and gently rolling, covered with nutritious grasses and dense undergrowth.

The Helvetia Copper Mining Co. is operating in sections 13, 14, 15, 22, 23, and 24.

There is very little timber. Timber is oak, mesquite and pale verde.

There are two settlers living in this township. One, Geo. Stone, living in section 2. Second, Oscar Buskalew, living in sections 10 and 15. George Stone's improvements amount to \$1500.00.

Oscar Buskalew's improvements amount to \$2500.00.

The soil is gravelly rocky in the mountainous portions, and is gravelly loam in the level and gently rolling portions.

Edgar C. Dietrich  
U.S. Deputy Surveyor

GENERAL DESCRIPTION

The greatest part of this township is mountainous and mineral lands. The western portion is level and gently rolling, covered with extensive grassland and some timber growth.

The Nevada Copper Mining Co. is operating in sections

12, 14, 16, 22, 24, and 26.

There is very little timber. Timber is oak, maple and pine woods.

There are two settlements living in this township. One, Geo.

Stone, living in section 2. Second, Cecil Bushler, living

in sections 10 and 12. George Stone's improvements amount

to \$150,000.

Cecil Bushler's improvements amount to \$100,000.

The soil is generally rocky in the mountainous portions.

and is generally poor in the level and gently rolling por-

tions.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

BOOK 1873

I, Edgar C. Dietrich, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from F. S. Ingalls United States Surveyor General for Arizona, bearing date of the 15<sup>th</sup> day of August, ~~189~~<sup>1905</sup>, 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 the Subdivisions of T. 18 S., R. 15 E.

of the Gila and Salt River Base and 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Edgar C. Dietrich  
United States Deputy Surveyor.

Subscribed by said Edgar C. Dietrich and sworn to before me }  
this 2<sup>nd</sup> day of January, 1906, 189



Rescoe Dale  
W. Commissioner

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 2<sup>nd</sup>, 1906, 189

The foregoing field notes of the survey of the subdivisinal lines of T. 18 S., R. 15 E. of the Gila and Salt River Base and Meridian in the Territory of Arizona.

executed by Edgar C. Dietrich U. S. Deputy Surveyor under his contract No. 137, dated August 15<sup>th</sup>, 1905, 189, 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.

LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich  
 \_\_\_\_\_, 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 the  
Subdivisions of Twp. 18 S., Rg. 15 E.  
 showing the respective capacities in which they acted:

- Fred. Eagles, Chainman.
- Walter Percival, Chainman.
- Juan Sanchez, Moundman.
- \_\_\_\_\_, Moundman.
- Sipriano Villa, Axman.
- \_\_\_\_\_, Axman.
- Manuel Salazar, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Edgar C. Dietrich  
 \_\_\_\_\_, United States Deputy Surveyor, in surveying all  
 those parts or portions of the Subdivisions of Twp. 18 S., Rg. 15 E.  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_ of the Chula 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

- Fred. Eagles, Chainman.
- Walter Percival, Chainman.
- Juan Sanchez, Moundman.
- \_\_\_\_\_, Moundman.
- Sipriano Villa, Axman.
- \_\_\_\_\_, Axman.
- Manuel Salazar, Flagman.

Subscribed and sworn to before me this 20<sup>th</sup>  
 day of October, 1891905

H. G. Power

