

Book 9

4-679.

copy to Mr. S. J. 108  
JUN 15 1908  
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2082

BOOK 2082

# FIELD NOTES

2082

OF THE SURVEY OF THE

2082

Subdivisions of Townships No. 10 ~~North~~  
~~North~~, Range No. 11 East;

~~Subdivisions of Fractional Township~~  
~~No. 11 North, Range No. 12 East~~

2082

Of the Gila and Salt Lake Meridian,

District of Arizona

AS SURVEYED BY

Charles L. Campbell, United States Deputy Surveyor,

Under <sup>joint</sup> ~~his~~ Contract No. 116, dated April 18<sup>th</sup>, 1904.

Survey commenced April, third, 1908.

Survey completed May, ~~second~~ April 19, 1908.

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BOOK 2082

NAMES AND DUTIES OF ASSISTANTS.

Harley D. Stewart, Chairman  
Roy I. Campbell "

Robert D. Holder, organ

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BOOK 2082

INDEX DIAGRAM.

Township 10 North, Range 11 East

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BOOK 2082

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harley O. Stewart and Ray T. Campbell  
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

Subs. of Tps. 10 and 11 N., R. 11 E., Fractional T. 11 N., R. 11 E.

Harley O. Stewart, Chainman.  
Ray T. Campbell, Chainman.

Subscribed and sworn to before me this third  
day of April, 1908



Charles L. Campbell  
U. S. Dept. Surveyor

WE, \_\_\_\_\_ 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

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

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_



WE, Robert R. Holder  
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

Subs. Tps. 10 and 11 N., R. 11 E., Fractional T. 11 N., R. 11 E.

Robert R. Holder, Axman.  
\_\_\_\_\_, Axman.

Subscribed and sworn to before me this third  
day of April, 1908



Charles L. Campbell  
U. S. Dept. Surveyor

I, \_\_\_\_\_, 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 \_\_\_\_\_

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_



Chs.

Survey commenced on the third day of April, 1908, and executed with a H. & T. C. Gurler improved solar compass, No. 210, with telescopic attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; the declination and latitude arcs, reading to thirty seconds.

The instrument was examined, tested on the true meridian of the U. S. Geological Survey at the Spokane County Court house, Spokane, Washington, and was found correct on March 23rd, 1908.

In examining the adjustments of the instrument and finding them correct, then to test the solar apparatus by comparing its indications resulting from solar observations made during P. M. and A. M. hours with a meridian determined by observations on Polaris; I proceed as follows:

At my camp in the Howston Pocket, 40 chs. N. of the  $\frac{1}{2}$  sec. cor. on the T. 10 N. of Sec. 34, T. 10 N. of R. 11 E.; latitude  $34^{\circ} 10' N.$ ; longitude  $111^{\circ} 11' 50'' W.$

Subdivision of T. 10 N., R. 11 E.

Chs. set off  $34^{\circ} - 10'$  N. on the lat. acc;  $5^{\circ} - 47'$  N. on the decl. acc; and at  $3^{\text{hrs}} 10^{\text{m}}$  P.M. l.m.t., determine a meridian with the solar and mark a point thereof by driving a tack in a stake firmly set in the ground, 5 Chs. N. of my station.

At  $10^{\text{h}} - 46^{\text{m}}$  P.M. by my watch which is 37<sup>th</sup> fast of l.m.t., I observe the star Polaris in accordance with the Manual of Surveying Instructions and mark a point in line thus determined by driving a nail in a stake, firmly set in the ground, 5 Chs. N. of my station.

Astron. time obs. April 3-	$10^{\text{h}} - 48^{\text{m}} . 0$
Watch fast	$\underline{\quad\quad\quad 2.0}$
Astron. l.m.t. obs.	$10 - 40.0$

U.C. Polaris, April 1-	$0^{\text{h}} - 46^{\text{m}} . 8$
Red. to April 3-	$\underline{\quad\quad\quad 2.9}$
U.C. Polaris "	$0 - 48.9 \quad 0 \quad 48.9$

Hour angle and time argument	$10 - 01.1$
------------------------------	-------------

Azimuth of Polaris at time of obs.	$0^{\circ} - 40' \text{th}$
------------------------------------	-----------------------------

April 3, 1908.

Obs.

April 4: At 6<sup>h</sup> 09<sup>m</sup> a.m., l.m.t., I lay off the azimuth of Polaris, 0° 40' to the E. and find that said meridian coincides with the meridian that was determined at this station by the solar on the preceding evening.

At 7<sup>h</sup> 10<sup>m</sup> a.m., l.m.t., I set off 34° 10' N. on the lar arc; 5° ~~44~~<sup>3</sup> N. on the decl. arc; and determine a meridian with the solar, and find that said meridian coincides with the meridian that was determined by Polaris observation.

The solar apparatus by E. m. and D. m. observations defines positions for meridians that coincide with the meridian that was determined by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7<sup>h</sup> 20<sup>m</sup> a.m., l.m.t., is N. 13° 54' H.; the angle thus determined gives the mag. decl. 13° 54' E.

I commence at the cor. of secs. 19, 24, 25 and 30 of the E. Pdy. of the 9<sup>th</sup>.

Subdivision of T. 10 N., R. 11 E.

Chs which was established under this contract.

Thence I run West on a true line bet. secs 24 and 25.

Ascend over mountainous land, through scattering timber and dense undergrowth and exceptionally difficult to survey.

17.00 Ridge, 200 ft. above cr., bears N. 70° E.

28.75 Ravine 350 ft. below ridge, course S. 70° E. Ascend.

37.55 Ridge, 400 ft. above ravine, bears N. 60° E. and S. 70° E. Ascend.

40.00 Set a granite stone 18x12x8 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the N. face, from which a cedar, 16 ins. diam., bears N. 10° 30' E., 50 lbs. dist., marked  $\frac{1}{4}$  S. 70° E. & P. 1.

A cedar, 10 ins. dia., bears S. 5° 30' E., 120 lbs. dist., marked  $\frac{1}{4}$  S. 70° E. & P. 1.

53.00 Ravine, 900 ft. below ridge, course S. 70° E. Ascend.

71.40 Spur, 200 ft. high, slopes S. 70° E. Descend.

80.00 At a point, 300 ft. below spur, I set a granite stone, 18x12x8 ins., 12 ins. in the ground, marked with 2 notches on the S. and 1 notch on the E. edges, for the cor. of secs. 23, 24, 25 and 26, from which a pine, 8 ins. dia., bears N. 63° 30' E., 59 lbs. dist.



Chs.

marked T. 10 N. R. 11 E. V  
24 B. T.

A pine, 12 ins. dia.,  
bears T. 80° E. 24 lbs  
dist. marked T.  
10. N. R. 11 E. V 23 B. T.

A cedar 10 ins. dia.,  
bears T. 81° N. 24 lbs.  
dist. marked T. 10  
N. R. 11 E. V 26 B. T.

A cedar, 16 ins. dia.,  
bears N. 79° W. 85 lbs.  
dist. marked T. 10 N.  
R. 11 E. V 20 B. T.

Land mountainous.

Soil, stony; red clay.

Timber, Cedar and Juniper;  
undergrowth, small  
timber, Mesquite, cactus  
and sage brush.

Mountainous, the lands  
covered with dense  
undergrowth and ex-  
ceptionally difficult  
to survey, so. rocks.

To. or E. on a true line  
bet. sec. 25 and 26.

Ascend mountainous N. W.  
slope through scattering  
timber, and dense under-  
growth and exceptionally  
difficult to survey.

14.00 Tree 100 ft. above base cor.,  
slopes N. W.

15.00 Draw, 125 ft. deep, course N. W.

19.30 Tree, 150 ft. high, slopes N. W.

22.80 Draw, 250 ft. deep, course N. W.

28.00 Tree, 300 ft. high, slopes N. W.

40.00 Set a granite stone, 15x10x8

# Subdivision of T. 10 N. R. 11 E.

Chs. ins, 10 ins. in the ground,  
 for 1 sec. cor., marked  
 1/4 on the N. face; Raised a  
 mound of stone, 2 ft. base,  
 1 1/2 ft. high, N. of cor.; pits  
 impracticable. No trees  
 suitable for marking  
 in limits.

41.25 Draw, 250 ft. deep, course  
 S. H.

46.50 Spur, 300 ft. high, slopes  
 S. H.

8000 At a point, 500 ft.  
 below spur, I set a  
 granite stone, 15x10x8 ins.,  
 10 ins. in the ground, for  
 cor. of secs. 25, 26, 25 and  
 26, marked with notch  
 on the S. and E. edges;  
 no trees suitable for  
 marking in limits;  
 raised a mound of  
 stone, 2 ft. base, 1 1/2 ft.  
 high, N. of cor.; pits im-  
 practicable.

Land, mountainous.  
 Soil, sandy and stony,  
 red and 1/4 th satp. ✓  
 Timber, cedar and juniper;  
 undergrowth, small  
 timber, cactus, mosquito  
 and laurel.

Mountainous or lands  
 covered with dense  
 undergrowth and ex-  
 ceptionally difficult  
 to survey, no rocks.

From the cor. of secs.

Chs. 23, 24, 25 and 26,

BOOK 2082

Drum

N. 8° or 11° St. bet. secs 23 and 24.  
 ascending N. St. slope through  
 scattering timber and  
 dense Undergrowth and  
 exceptionally difficult  
 to survey.

4.00 Ravine, 700 ft. deep, course  
 S. 60° St. Ascend over  
 slides and boulders.

40.00 Set a basal stone 13x14x8 ins.  
 10 ins. in the ground  
 for  $\frac{1}{2}$  sec. cor., marked  
 $\frac{1}{2}$  on the St. face; no trees  
 suitable for marking in  
 limits; raised a mound  
 of stone 2 ft. base, 1  $\frac{1}{2}$  ft.  
 high, St. of cor., pits im-  
 practicable.

44.00 Ridge, 800 ft. above ravine,  
 bears N. St. and V. E.  
 ascending over draws and  
 spurs along rugged  
 N. E. slope.

55.50 Draw, 400 ft. below ridge,  
 course St. Ascend.

71.75 Ridge spur, 300 ft. above  
 draw slopes St. beyond.

80.00 At a point 100 ft. below  
 ridge, set a granite  
 stone 18x10x4 ins., 14 ins.  
 in the ground, for cor.  
 of secs. 13, 14, 23 and 24,  
 marked with 3 notches  
 on the V. and 1 notch on  
 the E. edge, no trees  
 suitable for marking  
 in limits; raised a  
 mound of stone, 2 ft.  
 base, 1  $\frac{1}{2}$  ft. high, St. of cor.,

Subdivision of S. 18 N. D. 11 E.

Chas fits impracticably.  
Land, mountainous.  
Soil, gravelly and stony;  
red and 4th satp.  
Timber, scattering cedars;  
undergrowth, mosquito  
cactus, and chaparral.  
Mountainous or lands  
covered with dense under-  
growth and exceptionally  
valley difficult to  
survey, 8000 lbs.

East on a random line bet.  
secs. 13 and 24.

4550 Let temp.  $\frac{1}{4}$  sec. cor.  
7980 Entered the E. Cor. of the  
S. 18, 5 cks. N. of the cor.  
of secs. 13, 18, 19 and 24,  
established under this  
contract.

Thence S run,  
N. 89° 58' E. on a true line  
bet. secs. 13 and 24.

Ascend mountainous E. slope  
through scattering timber  
and dense undergrowth  
and exceptionally diffi-  
cult to survey.

8423 Ridge, 500 ft. above sec. cor.,  
blows N. and S. and descend  
steep broken N. slope.

8990 Let an ironstone shaft,  
36 x 14 x 10 ins., 12 ins. in the  
ground, struck bed rock,  
dressed a mound of stony  
around, for  $\frac{1}{4}$  sec. cor.,  
marked  $\frac{1}{4}$  on the N. face,  
from which  
A pine, 20 ins. dia;

Chs. bears S. 31° E., 113 lbs  
 dist. marked  $\frac{1}{4}$  ✓  
~~2400 ft.~~

No other trees within limits,  
 raised a mound of stony  
 3 ft. base, 2 ft. high, N.  
 of cor.; pits impenetrable.

76.75 Ravine, 200 ft. below ridge,  
 course N. 20° E. Ascent  
 S. E. slope.

7400 Ridge spur, 200 ft. above  
 ravine, slopes N. E.  
 descend rugged N. W.  
 slope.

79.80 The cor. of secs 13, 14, 20 and  
 24, 100 ft. below spur.  
 Land, mountainous.  
 Soil, stony; red and 4th  
 rate; timber, very scattering,  
 cedars and pine; under-  
 growth, small oaks,  
 mugwort and cactus.  
 Mountainous lands  
 covered with dense under-  
 growth and exceptionally  
 difficult to survey

79.80 chs.  
 Fore cast of noon pre-  
 sented taking latitude.  
 April 4, 1908.

April 5: At 7<sup>h</sup> 10<sup>m</sup> a.m.,  
 l.m.t., I set off 34° 12' N  
 on the lat. arc; 6° 06' N on  
 the decl. arc and deter-  
 mine a meridian with  
 the stars at the cor. of  
 secs. 13, 14, 20 and 24.  
 Hence I run,

## Subdivision of P. 10 N., R. 11 E.

- Chs. N. 0° 01' N. bet. secs. 13 and 14.  
descend mountainous N. W. slope through scattering timber, dense undergrowth and exceptionally difficult to survey.
- 7.25 Dry bed of stream, 100 yds. wide, in canyon, 400 ft. below sec. cor., course S. 70° W.
- 16.30 Ridge spur, 400 ft. above canyon, slopes S. W.
- 38.30 Ravine, 250 ft. below ridge, course S. W. Ascend
- 40.00 Set a basalt stone, 15 x 10 x 8 ins., 10 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the N. face; no trees suitable for marking in limits; raised a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.; pits impracticable.
- 59.20 Ridge spur, 200 ft. above ravine, bears E. and N. descend steep rugged N. slope into great canyon.
- 50.00 At a point, 200 ft. below ridge, set a basalt stone, 18 x 12 x 6 ins., 10 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on the S. and 1 notch on the E. edges; no trees suitable for marking in limits; raised a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.; pits impracticable.
- Land, mountainous.  
Soil, stony; 4th cat.  
Timber, dry scattering

Chs.

cedae; undergrowth, mosquito, cactus and labrel.

Mountainous or lands covered with dense undergrowth and exceptionally difficult to survey so. so Chs.

Noty - The lines E. bet. secs. 12 and 13; and N. bet. secs. 11 and 12; extend over very rough mountainous regions, traversed by great bluffs, slides and deep impassible gorges. Therefore I do not survey the above mentioned lines.

From the cor. of secs 1, 6, 7 and 12, established under this contract, run N. 89° 58' th. on a true line bet. secs. 1 and 12.

Ascend along mountainous slope of divide, no timber, dense undergrowth, and exceptionally difficult to survey.

2700 Summit of divide bet. Green Valley Gorge and Porto River Dakin, 300 ft. above sec. cor., bears N. 80° E. and V. 80° th. descend into ravine.

Subdivision of T. 10 N., R. 11 E.

- 38.50 Raving, 200 ft. deep, course N. 15° th. Ascend.
- 40.00 Set an iron stone, 18x14x8 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on 1/4 th N. face; from which an oak, 10 ins. dia., bears N. 52° 17' th., 121 lbs. dist., marked 1/4 V 1 D 9.
- An oak, 1 1/2 ins. dia., bears S. 58° 58' E., 101 lbs. dist., marked 1/4 V 2 D 9.
- 49.00 Spur, 300 ft. 1/4 about raving, slopes N.
- 56.99 Dry wash, 10 lbs. wide, in raving, 200 ft. deep, course N. E. Ascend.
- 75.00 Top of ascent, 300 ft. about raving, bears N. th. and S. E.; thence over rolling mesa.
- 80.00 Set a granite slab 42x14x12 ins., 12 ins. in the ground, struck rock, and raised a mound of stone around, for cor. of Secs 1, 9, 11 and 13, marked with 5 notches on the S. and 1 notch on the E. edges, from which a pinion, 8 ins. dia., bears N. 85° 33' E., 17 lbs. dist., marked T 10 N R 11 E V 1 D 9.
- A pinion, 12 ins. dia., bears S. 45° 53' E., 110 lbs. dist., marked T 10 N R 11 E V 12 D 9.
- A juniper, 10 ins. dia., bears S. 13° 43' th., 98 lbs. dist., marked T 10 N R 11 E V 11 D 9.



Obs.

A Juniper, 6 ins. dia;  
 bears N. 13° 12' W., 77  
 lbs. dist. marked  
 T. 10 N. R. 11 E. 168  
 B. 1.

Land, low and moun-  
 tainous.

Soil, sandy and gravelly;  
 and and red calt.

Timber, pinion, cedars and  
 junipers; undergrowth,  
 small timber, mesquite,  
 cactus and oak bush.

Mountainous, or lands  
 covered with dense  
 undergrowth and  
 exceptionally difficult  
 to survey, 75.80 chs.

N. 0° 01' S. on a random line  
 bet. secs. 1 and 2.

40.00  
 80.04

Let temp. 1 sec. cor.  
 Entered N. 0° 01' S. of the S. P.  
 10 lbs. E. of the cor. of  
 secs. 1, 2, 3 and 36, es-  
 tablished under this  
 contract.

Thence S. 20° 05' E. on a random line bet.

secs. 1 and 2.

Ascend mountainous N.  
 slope over bluffs,  
 slides and boulders,  
 through scattering timber,  
 and dense undergrowth  
 and exceptionally diffi-  
 cult to survey.

5.00

Leave timber, bears S. and  
 H.

Subdivision of T. 15 N., R. 11 E.

Chs.  
 40.04 The true point for  $\frac{1}{4}$  sec. cor. falls on  $\frac{5}{8}$  ledge, 20 x 20 x 20 ft. above ground; at the exact point, I cut a cross for  $\frac{1}{4}$  sec. cor., and mark  $\frac{1}{4}$  on the N. side of cross, 6 ins. dist. Raised a mound of stone, 8 ft. base, 3 ft. high, N. of cor.; pits impracticable.

42.75 Clear bluffs, boulders and slides, bears E. and N.

48.00 Enter scattering timber, bears E. and N.

76.00 Top of ascent, 1500 ft. above sec. cor., bears E. and N.; thence over rolling mesa.

80.04 The cor. of secs. 1, 11 and 12.  
 Land, rolling and mountainous;  
 Soil, sandy and gravelly; red and 1/4 th salt.  
 Timber, juniper, oak, cedar and pinyon; undergrowth; small timber, cactus, oak brush, mesquite and manzanita.  
 Mountainous or lands covered with dense undergrowth and exceptionally difficult to survey, 76.00 chs.  
 Overcast at noon prevented taking the lat.  
 April 5, 1908.

April 6: At 7 $\frac{1}{2}$  10<sup>m</sup> a.m., C.M.T.

Chs. I set off  $34^{\circ}10'$  N. on the lat. arc;  $6^{\circ}29'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 24 and 25 on the T. 18 N. of the 1<sup>st</sup> P., established under this contract.

Thence I run  $N. 0^{\circ}01'$  th. bet. secs. 24 and 25.

Descend into draw, over mountainous land, through scattering timber, and undergrowth, and exceptionally difficult to survey.

30.50 Head of canyon, 300 ft. below sec. cor., course N.E. Ascend over bluffs, rim rocks and boulders.

40.00 The true point for  $\frac{1}{2}$  sec. cor., falls on a granite boulder,  $10 \times 15 \times 40$  ins. above the ground; at the exact point; I cut a cross for  $\frac{1}{2}$  sec. cor., and mark  $\frac{1}{2}$  north th. side of cross, 46 ins. dist. No trees suitable for marking in limits; raised a mound of stone, 2 ft. base, 18 ft. high, th. of cor., pits impenetrable.

40.50 Enter dense undergrowth, bears E. and th.

50.00 Top of mountain, 1500 ft. above canyon, bears N. th. and N.E. Descend rugged N.E. slope into

Subdivision of T. 10 N., R. 11 E.

Chs. 55.00  
 Grim Valley Creek Canyon.  
 At a point, 300 ft. below  
 mountain, I set a gravity  
 stony, 13x12x8 ins., 10 ins.  
 in the ground, for cor. of  
 secs. 26, 27, 28 and 25, marked  
 with 1 notch on the N.  
 and 2 notches on the E.  
 edges; no trees suitable  
 for marking in limits,  
 raised a mound of  
 stony, 2 ft. base, 1 1/2 ft.  
 high, N. of cor.; flats im-  
 practicably.

Land, mountainous.  
 Soil, stony; rich saty.  
 Timber, scrubby cedar;  
 undergrowth, oak, buck  
 brush, chaparral and  
 mesquite.  
 Mountainous, so lands  
 covered with dense  
 undergrowth and ex-  
 ceptionally difficult  
 to survey, 80.00 chs.

40.00  
 80.00  
 East on a random line  
 bet. secs. 26 and 25.  
 Set temp. 1/4 sec. cor.  
 intersect N. and V. line  
 at the cor. of secs. 25, 26,  
 25 and 26.

Thence V run  
 West on a true line bet.  
 secs. 26 and 25.  
 Second mountainous S. of  
 slope into canyon, no timber.  
 1.25 Canyon, 50 ft. below cor.,  
 across V. E. Deep account  
 of rugged E. slope of  
 mountain.

- Chs.  
35.00 Summit of mountain, 1000 ft. above canyon, bears N. and S. Steep precipitous descent into Gunn Valley Canyon, through dense undergrowth, bears N. and S.
- 40.00 Set a gravity stony, 10' x 12' x 6 ins., 10 ins. in the ground, for 1 sec. cor., marked on the N. face, raised a mound of stony, 2 ft. base, 11 ft. high, N. of cor., pits impracticable.
- 42.50 Gunn Valley Creek, 50 lbs. wide, 1 ft. deep, in canyon, 1500 ft. below summit of mountain, course S. Descend rugged E. slope over bluffs and great boulders.
- 55.00 The cor. of sec. 26, 27, 28 and 33, 500 ft. above canyon. Land, mountainous. Soil, stony, rich soil. Undergrowth, buck brush, chaparral, mesquite, oak brush, laurel, cactus and manzanita. Mountainous or lands covered with dense undergrowth and exceptionally difficult to survey.
- 55.00 Chs.  
April 6: At this cor. I set up a 6" sec. N. on the decl. sec. and at 12<sup>h</sup> 03<sup>m</sup> P. M. (M.T.) observe the sun on the meridian; the resulting lat. is 34° 11' N.

Subdivision of T. 10 N., R. 11 E.

Chs. No. 011 ft. bet. secs. 26 and 27 descend mountainous N.E. slope into Gum Valley Canyon, through dense undergrowth and exceptionally difficult to survey, over draws and gulches.

40.00 At a granite stone, 15x10x8 ins., 10 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the N. face; from which

A cedar, 10 ins. dia., bears T. 70° E., 117 lbs. dist., marked  $\frac{1}{4}$  V. 26 B. 9.

A cedar, 14 $\frac{1}{4}$  ins. dia., bears N. 65° W., 146 lbs. dist., marked  $\frac{1}{4}$  V. 27 B. 9.

41.00 Entry very scattering timber, bears E. and N. V.

60.00 Gum Valley Creek, 50 lbs. wide, in canyon, 1000 ft. below sec. cor., course T. 70° E. Around along N. slope.

80.00 At a point 200 ft. above creek, I set a granite boulder, 3x4x6 ft. above the ground, for cor. of secs. 22, 23, 26 and 27, marked with 2 notches on the N. and E. edges; no trees suitable for marking in limits; raised a mound of stone, 2 ft. base, 11 ft. high; N. of cor., pits impracticable. Land, mountainous. Soil, gravelly and stony, red and N. clay; V.

Chs. Timber, scattering cedars, oak and quaking asp; undergrowth, small timber, mesquits, cactus and buck brush. Mountainous or lands covered with dense undergrowth, and exceptionally difficult to survey 80.00 chs.

40.00 Cast on a random line bet. sec. 20 and 26. Let timber 1/2 sec. cor. 80.04 Entered 7 N. and V. line, 9 lks. N. of the cor. of sec. 20 & 24, 23 and 26.

Thence down

N. 89° 56' W. on a true line bet. sec. 20 and 26.

Second mountainous N. W. slope into canyon, through scattering timber, and dense undergrowth and exceptionally difficult to survey.

18.75 Dry wash, 10 lks. wide, in draw, 500 ft. below sec. cor., course V. Ascend rugged E. slope.

26.40 Summit of mountain, 400 ft. above canyon, bears N. and V.

40.02 Let an iron stake, 13 x 12 x 8 ins., 10 ins. in the ground, for 1/2 sec. cor., marked on the N. face; no trees suitable for marking in limits; raised a mound of stone

Subdivisions of T. 10 N., R. 11 E.

Chs. 2 ft. base, 1 1/2 ft. high, N. of  
cor.; pits imperceptible.  
43.00 Over irregular bluffs, rim  
rocks, slides and boulders.  
68.00 Ravine, 1000 ft. below sum-  
mit, course S. H.; foot of  
bluffs, rim rocks, slides  
and boulders.  
74.25 Spur, 200 ft. high, slopes S. H.  
Descent.  
80.84 The cor. of secs. 22, 23, 26 and  
27, 230 ft. below spur.  
Land, mountainous.  
Soil, stony; 4th cat.;  
Timber, scattering cedars;  
undergrowth, small  
timber, mesquite, laurel,  
buck bush and cactus.  
Mountainous or lands  
covered with dense under-  
growth and exceptionally  
difficult to survey, &  
80.84 chs. April 6, 1908.

April 7: - At 7 1/2 00<sup>m</sup> a.m. (m)  
I set off S. 34-12' N. on the  
lat. arc; 6-55' N. on the dip.  
arc; and determining a  
meridian with the stars;  
thence spur  
N. 0-01' H. bet. secs. 22 and 23.  
Descent mountainous S. H.  
slope through, scattering  
timber and dense under-  
growth, and exceptionally  
difficult to survey.  
2.00 Top of spur, 20 ft. above sec. cor.,  
slopes S. 80' H. descent along  
precipitous N. H. slope over  
irregular bluffs.



- Chs.  
8.50 Green Valley Creek, 50 lbs. wide, in canyon, 150 ft. below spur, course S. 50° W. Ascend along mountainous E. slope.
- 16.50 Spur, 150 ft. above creek, slopes S. 80° E.
- 20.75 Raising, 100 ft. deep, course E. Ascend.
- 40.00 Set a granite stone, 18x18x8 ins., 10 ins. in the ground, for cor. marked, on S. 75° W. face; no trees suitable for marking in limits; raised a mound of stone, 2 ft. base, 11 ft. high, 1 ft. dia. cor.; pits & impracticable.
- 45.40 Spur, 550 ft. above draw, slopes E. Ascend into Green Valley Canyon.
- 61.95 Green Valley Creek, 25 lbs. wide, in canyon, 275 ft. below spur, course S. E. Ascend along mountainous W. slope.
- 73.05 Pounded up coral bears W., 150 lbs. dist.
- 80.00 At a point, 800 ft. above creek, set a granite stone, 18x10x9 ins., 10 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked with notches on the S. edge and 2 notches on the E. edge; from which  
 A Juniper, 6 ins. dia., bears S. 42° 47' E., 105 lbs. dist., marked T. 10 N. R. 11 E. 14 80.  
 A Pinon, 8 ins. dia., bears N. 48° 13' W., 71 lbs.

Sub-division of T. 15 N., R. 11 E.

Chs. lks. dist. marked T. 15 N., R. 11 E. & T. 15 N., R. 11 E.

No other trees suitable for marking in limits; raised mound of stony; 2 ft. base, 1 1/2 ft. high, N. of cor., pits impracticable. Land, mountainous.

Soil, gravelly and stony; red and #4 rate.

Timber, pinon, cedar and juniper; undergrowth, small timber, & sage, buck brush, mesquite and chabasco.

Mountainous, heavily timbered or lands covered with dense undergrowth and exceptionally difficult to survey, 80.00 chs.

T. 89° 56' E. on a random line bet. secs. 14 and 20.

40.00 At temp.  $\perp$  sec. cor.

80.00 Intersect N. and V. line, 2 lks. S. of the cor. of secs. 13, 14, 20 and 21.

Thence I run

T. 89° 52' N. on a trap line bet. secs. 14 and 20.

descend mountainous N. th. slope into deep canyon.

20.00 Canyon, 1000 ft. below sec. cor., course S. 60° th. ascend.

39.04 Hog back, 500 ft. above canyon, slopes S. th.

At this point, I set a flag for test sight, which

- Chs. will be visible from the high ridges to the N.
- 40.10 Set an benchmark, 28 x 14 x 8 ins., struck rock, in mound of stone, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on N. face; no trees suitable for marking in limits; raised mound of stone, 4 ft. base, 2 ft. high, W. of cor.; pits imperceptible.
- 54.00 Canyon, 200 ft. deep, course N.W. toward.
- 60.60 Spur, 200 ft. high, slopes S. with toward.
- 65.70 Gorge, 200 ft. deep, course N.W. toward over irregular bluffs.
- 70.00 Spur, 150 ft. high, slopes S. with toward into Green Valley Creek Canyon.
- 80.20 The cor. of secs. 14, 15, 22 and 23, 150 ft. below spur. Land, mountainous. Soil, stony; 4th rate. Timber, scattering cedar and juniper; underground, small timber, mesquite, cactus, manzanita and sage.
- Mountainous islands covered with dense undergrowth and exceptionally difficult to survey, 80.20 chs.
- April 7: At this cor., I set off 6° 55' N. on the decl. arc; and at 12<sup>h</sup> 02<sup>m</sup> p.m., b.m.t., observe the sun on the meridian; the resulting latitude is 34° 12' N.

Subdivision of T. 10 N., R. 11 E.

- Chs. N. 02 011 H. bet. secs. 14 and 15.  
Ascend along mountainous  
H. slope, through scattering  
timber and dense under-  
growth and exceptionally  
difficult to survey.
- 10.90 Gorge, 100 ft. deep, course  
H. till ascending, now  
over bluffs and slides.
- 21.93 Spur, 400 ft. above cor., slopes  
H. descend.
- 32.60 Gorge, 400 ft. deep, course H.  
Ascend.
- 40.00 Set a gravity trap, 28 x 14 x 8  
ins., 6 ins. in the ground,  
stuck rock, raised a  
mound of stone around  
for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$   
on the H. face; raised a  
mound of stone, 3 ft. base,  
2 ft. high, N. E. of cor., this  
being only practically  
place to build a mound  
on account of steep slope;  
pits impracticable.
- 40.70 Spur, 600 ft. above gorge,  
slopes H. Precipitous  
descent over bluffs into  
canyon. At this point,  
I set a flag for a  
test sight which will  
be visible from the high  
ridges N.
- 54.00 Dry wash, 20 lbs. wide, in  
canyon, 500 ft. below  
spur, course S. 60° H.  
Leave bluffs and ascend.
- 65.00 Spur, 200 ft. high, slopes S. E.  
Descend into ravine.
- 74.10 Dry wash, 13 lbs. wide, in  
ravine, 150 ft. deep, course  
S. E. Ascend.

Cks.

76.90 Spur, 75 ft. high, slopes S. H. descended into ravine.

79.50 Dry wash, 20 lbs. wide, in ravine, 50 ft. below spur, course S. H. Arcend.

80.00 Set a granite stone, 36 x 12 x 4 ins, 6 ins. in the ground, struck rock and raised a mound of stone around for cor. of secs. 10, 11, 14 and 15, marked with 4 notches on the N. and 2 notches on the E. edges, from which a 5 in. dia. iron, 5 in. dia. bears N. 34 1/2° E., 4 lbs. dist. marked 510 N. 10. 11 E. 11 D. 9.

No other trees in limits; raised a mound of stone, 3 ft. base, 4 ft. high, H. of cor., bits impracticable.

This cor. stands 15 ft. above ravine.

Land, mountainous.

Soil, stony; 4 in. rate.

Timber, very scattering cedar and pines; undergrowth, small timber, sage, mesquite and manzanita.

Mountainous so lands covered with dense undergrowth and especially difficult to survey, so. 0.8 cks.

T. 89.57 E. on a random line bet. secs. 11 and 14.

40.00 Set temp. 1/4 sec. cor.

80.00 Entered 7 N. and S. line,

- Chs. 9 lks. S. of the cor. of secs.  
11, 12, 13 and 14.  
Thence S. 89° 59' 0" on a true line  
bet. secs. 11 and 14.  
Descend steep N. H. slope of  
mountain into canyon, ~~sg.~~  
through dense undergrowth  
and exceptionally diffi-  
cult to survey. No timber.
- 37.00 Canyon, 1000 ft. below sec.  
cor., course S. 60° 0" H.  
Ascend over spur.
- 40.00 Set a granite stone, 36 x 18 x  
14 ins., 10 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor.,  
struck rock and raised  
a mound of stone around,  
marked  $\frac{1}{4}$  on the N. face.  
Raised a mound of stone,  
2 ft. base,  $\frac{1}{2}$  ft. high, N. of  
cor.; fits impracticable.
- 41.00 Spur, 50 ft. above canyon,  
slopes S. descend.
- 53.00 Dry wash, 5 lks. wide, in  
draw, 150 ft. below spur,  
course S. Ascend  
through scattering timber,  
bear N. and S.
- 61.00 Summit of conical shaped  
hill, 150 ft. above canyon  
bear N. and S. descend.
- 63.00 Draw, 100 ft. deep, course  
S. 30° 0" H.
- 73.00 Ridge spur, 170 ft. above  
canyon slopes S. 30° 0" H.  
Precipitous descent into  
canyon over bluffs and  
boulders.
- 79.00 Dry wash, 10 lks. wide, in  
canyon, 500 ft. below spur,  
course S. 30° 0" H. Ascend.

Obs.

8500 The cor. of secs. 10, 11, 14 and 15,  
5 ft. above wash.

Land, mountainous.

Soil, stony; red and 4th  
rate.

Timber, scattering Pinon,  
cedar and Juniper;  
undergrowth, small timber,  
chaparral and mesquite.

Mountainous, heavily timbered  
or lands covered with  
dense undergrowth, and  
exceptionally difficult  
to survey, 18000 chs.

April 7, 1908.

N. 5° 01' 0" bet. secs. 10 and 11.

Ascending mountainous  
slope of great divide,  
see bluffs and boulders  
through scattering timber  
and dense undergrowth  
and exceptionally diffi-  
cult to survey.

0.50 Dry wash, 150 chs. wide,  
comes from N., course  
S. 85° E. Thence up wash.

5.00 Leave dry wash, comes  
from the N. E. Steeper  
ascent of mountain.

04.00 Leave precipitous bluffs  
and continue ascent,  
bear S. and E.

40.00 Hit an iron stone, 36 x 14 x 8 ins.,  
6 ins. in the ground,  
struck rock and raised a  
mound of stone around  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on

Subdivisions of S. 10 N., W. 11 E.

Chs. the S. face; from which  
 A pine, 10 ins. dia, bears  
 N. 29° 50' E., 24 lbs.  
 dist. marked  $\frac{1}{7}$  V. 11  
 D. 9.

A pine, 12 ins. dia, bears  
 V. 54° 00' S., 110 lbs. dist.  
 marked  $\frac{1}{7}$  V. 10 D. 9.

67.10 Summit of divide, 1800  
 ft. above cor. of secs. 10, 11,  
 14 and 15, bears N. E. and  
 S. W. Precipitous descent  
 into deep canyon over  
 bluffs and rim rocks.

70.71 Green Valley Creek, 20 lbs.  
 wide, in canyon, 1000  
 ft. deep, course V. 80° S.  
 Ascend precipitous S. W.  
 slope.

80.80 At a point 600 ft. above  
 canyon, set a gravity  
 stone, 24 x 18 x 12 ins., 18 ins.  
 in the ground, for cor.  
 of secs. 6, 9, 10 and 11, marked  
 with 3 notches on the S. E.  
 and 2 notches on the E.  
 edges, from which  
 A pine 6 ins. dia, bears  
 S. 72° 42' W., 82 lbs. dist.  
 marked  $\frac{1}{10}$  V. 10 W. D. 9.

No other trees in limits;  
 raised a mound of stones,  
 3 ft. base, 2 ft. high, th. of cor.,  
 pits impassable.

Land, mountainous.  
 Soil, gravelly and stony;  
 red and 4th saty.

Timber, very scattering  
 cedar, juniper and Pinon;  
 undeveloped, small timber.



Chs. mesquite, sage, cactus BOOK 2082  
and chaparral.  
Mountainous or lands covered  
with dense undergrowth  
and exceptionally dif-  
ficult to survey 100.00 chs.

- 11.00 N. 89° 39' E. on a random  
line bet. sec. 2 and 11.  
Let temp.  $\perp$  sec. cor.  
79.90 Intersect N. and S. line, 21 chs.  
N. of cor. of sec. 1, 2, 11 and  
12.  
Thence I run  
N. 89° 34' W. on a true line  
bet. sec. 2 and 11.  
Over rolling mesa, through  
scattered timber and  
dense undergrowth and ex-  
ceptionally difficult to  
survey.  
16.00 Leave rolling mesa, bear  
N. E. and S. W. and descend  
precipitous N. W. slope into  
canyon over bluffs  
and rim rocks.  
39.95 Let an iron stake, 18x14x12 ins.,  
12 ins. in the ground, for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on the  
N. face; no trees suitable  
for marking in limits;  
raised a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, N. of  
cor.; pits impracticable.  
60.15 Run Valley Creek, 15 chs.  
wide, in canyon, 1500  
ft. deep, course S. 20° W.  
Descend steep precipitous  
E. slope over bluffs.

85  
BOOK 2082

# Subdivisions of T. 10 N., R. 11 E.

Chs.  
79.95 Ridge, spur, 500 ft. above  
creek, slopes of S. descend  
steep S. th. slope.

79.90 The cor. of secs. 2, 3, 10 and 11,  
200 ft. below ridge c.  
Land, mountainous.  
Soil, stony; 4th rate.  
Timber, scattering sycam,  
pinion and juniper;  
undergrowth; small timber,  
mesquite, laurel and  
chuparral.  
Mountainous, so lands covered  
with dense undergrowth  
and exceptionally difficult  
to survey 79.90 Chs.

April 8: At 3<sup>h</sup> 10<sup>m</sup> P.M. (a.m.t.)  
Set off 34° 14' N. on the  
lat. acc; 7° 30' N. on the  
decl. acc; and determine  
a meridian with the  
solar at the cor. of secs.  
2, 3, 10 and 11.

Thence I run  
N. 0° 01' th. bet. secs. 2 and 3.  
40.00 bet. temp. 1 sec. cor.  
79.95 Entered N. Bdy. of the  
T.P., 28 chs. E. of the cor. of  
secs. 2, 3, 10 and 11, estab-  
lished under this contract.  
Thence I run,  
S. 0° 10' E. on a true line bet.  
secs. 2 and 3.  
Descending S. slope, through  
scattering timber and  
dense undergrowth and  
exceptionally difficult

- Cks. to survey.
- 36.75 Basin, 150 ft. deep, course N. H. Ascend.
- 39.95 Set an iron stake, 28 x 12 x 6 ins., 21 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the N. H. face; No. 100; in limits; raised a mound of stone, 3 ft. base, 2 ft. high, N. of cor.; pits impracticable.
- 40.60 Ridge spur, 50 ft. above draw, slopes N. H. Ascend.
- 50.00 Basin, 205 ft. deep, course E. Ascend.
- 66.00 Ridge spur, 800 ft. above basin, slopes N. W. Steep descent into canyon.
- 79.95 1/4 cor. of secs. 2, 3, 16 and 11, 200 ft. below ridge spur. Land, mountainous. Soil sandy and gravelly; red and red soil. Timber, scattering cedars and pines; undergrowth, small timber, mesquite and chaparral. Mountainous islands covered with dense undergrowth and exceptionally difficult to survey, 79.95 cks. Overcast at noon prevented taking latitude.

April 8, 1908.

April 9: At 7<sup>45</sup> a.m. (M.T.), set off  $0^{\circ} 42' 10''$  N. on the lat. arc;  $72^{\circ} 37'$  N. on the decl.

## Subdivisions of T. 10 N., R. 11 E.

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Chs. arc; and determine a meridian with the solar at the cor of sec. 3, 4, 33, and 34, on the T. 10 N. of the T. 10 N. established under this contract.

Thence I run

No: 02' 0" N. bet. sec. 33 and 34.

Descend N. slope into ravine over mountainous land through scattering undergrowth; no timber; exceptionally difficult to survey.

10.00 Draft, dry wash, 10 lbs. wide, in draw, 100 ft. below sec. cor, course T. 60' N. Ascend rugged N. slope of spur, over bluffs and boulders, scattering timber.

40.00 Hit a granite stone, 15x12x8 ins., 10 ins. in the ground, for  $\perp$  sec. cor., marked  $\perp$  on the N. face; from which  $\frac{1}{4}$  a lead, 10 ins. dia., bears N. 87 $\frac{1}{2}$ ' E., 119 lbs. dist., marked  $\perp$  T. 33 R. 11 E.

No other trees suitable for marking in limits. Raised a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.; sits impenetrable.

60.10 Spur, 300 ft. above draw slopes N. 60' E. Descend.

70.00 Foot of descent, 300 ft. below spur, bears N. 60' E., T. 60' N. Over level land in Houston Pocket, through dense undergrowth.

80.00 Hit a granite stone, 24x12x10 ins., 18 ins. in the ground,

Obs.

For core of trees 27, 28, 29 and  
 marked with 1 notch on  
 the V. and 2 notches on the  
 E. edges; from which  
 1) Hack berry, 8 ins dia.  
 bears T. 11 E. 72 lbs.  
 dist. marked T. 10 N.  
 R. 11 E. V. 1 & 2  
 2) An oak, 14 ins dia.  
 bears T. 01213 E. 50 lbs.  
 dist. marked T. 10 N.  
 " E V. 3 & 4  
 3) An oak 4 ins dia.  
 bears T. 66203 Th. 189  
 lbs. dist. marked  
 T. 10 N. R. 11 E. V. 5 & 6  
 4) An elder, 5 ins dia. bears  
 N. 42 1/2 Th. 107 lbs. dist.  
 marked T. 10 N. R. 11  
 E V. 7 & 8

Land, level and mountainous.  
 Soil, sandy and stony,  
 and and V. x th soil.  
 Timber, pinon, cedar, juniper,  
 elder, hack berry and oak;  
 undergrowth, small timber,  
 oak brush, mesquite, sage  
 and chaparral.  
 Mountainous or lands covered  
 with dense undergrowth  
 and exceptionally diffi-  
 cult to survey, 1000 chs.  
 From this sec. 1000, an old  
 deserted cabin bears T. E.  
 23 chs. dist.

Cast on a random line bet.  
 sec. 27 and 28.  
 good bet temp. 1/4 sec. cor.

## Subdivision of T. D. N. D. 11 E.

BOOK 2082

- Chs.  
29.84 Entered N. and V. line, 2 chs.  
N. of cor. of secs 26, 27, 28  
and 29.
- Thence down  
N. 89° 59' W. on a true line  
bet. secs. 27 and 28.
- Ascend mountainous E. slope  
of mountain, through  
scattering timber and deep  
undergrowth and excep-  
tionally difficult to  
survey.
- 21.90 Summit of mountain, 800 ft.  
above cor. bears N. and  
V. descend rugged W. slope,  
over bluffs, rim rocks and  
great granite boulders.
- 39.90 Hit a granite stone, 15 x 10 x 8  
ins., 10 ins. in the ground for  
1 sec. cor. marked  $\frac{1}{4}$  on the  
N. face; No trees suitable  
for marking in limits;  
raised a mound of stone,  
2 ft. base,  $\frac{1}{2}$  ft. high, N. of cor.,  
fits imperceptibly.
- 40.00 Precipitous descent into  
Houston Pocket.
- 53.00 Foot of mountain, 800 ft. below  
summit, bears N. and V.;  
over level land, leaving  
bluffs, rim rocks and  
slides.
- 70.00 Trail, bears N. and V.
- 79.84 The cor. of secs. 27, 28, 29 and 34.  
Land, level and mountainous  
lois, sandy and gravelly, and  
and very calc.  
Timber, cedar, oak and pinon;  
undergrowth, small timber,  
cactus, mesquite and chapparal.

BOOK 2082

Chs. Mountainous, no lands covered with dense undergrowth, 79.84 chs.

April 9: At this sec. cor. Out of 2<sup>nd</sup> 21<sup>st</sup> N. on the decl. acc. land at 10<sup>th</sup> 50<sup>m</sup> S. m. l.m.f., observe the sun on the meridian, the resulting lat. is 34° 11' N.

N. 5° or 10' N. bet. sec. 27 and 28. Over level land in Houston Pocket, through scattering timber and dense undergrowth and exceptionally difficult to survey.

23.45

Very wet, 45 lbs. wide, in V. clear, soft. dup, course S. 30° E.

27.45

Leave level land in Houston Pocket and ascend rugged S. slope of mountain, base S. and W.

40.00

The true point for 1/4 sec. cor. follows a ledge, 2x 2x ft. above the ground, at the exact point. Cut a cross for 1/4 sec. cor. and mark 1/4 at the N. side of cross, 6 ins. dist. Not too suitable for marking in timber, raising a mound of stone, 9 ft. base, 1 1/2 ft. high, N. of cor.; sits imprecisely.

41.25

Trail bears N. W. and S. E.

41.75

Same trail now bears N. E. and S. W.

70.30

Summit of divide, bet Green Valley Canyon and Star Valley Creek Basin, 1000 ft.

Subdivision of T. 18 N., R. 11 E.

Chs. about Houston Pocket. bears  
N. 20° E. and S. 40° W.  
along N. slope of divide  
over numerous draws  
and spurs all with westerly  
trend.

80.00 At a point, 50 ft. below divide,  
set a granite stone, 8 x 18 x  
8 ins. 1/2 in. in the ground,  
for cor. of secs. 21, 22, 27  
and 28 marked with  
2 notches on the N. and 3  
notches on the E. edge;  
from which

A pinion, 18 ins. dia., bears  
N. 83° 55' E., 289 lbs. dist.,  
marked T. 18 N. R. 11 E. S. 21  
D. 2.

A pin, 8 ins. dia., bears S.  
76° 20' E., 294 lbs. dist.,  
marked T. 18 N. R. 11 E. S. 27  
D. 2.

A pin, 18 ins. dia., bears S.  
85° 43' E., 287 lbs. dist.,  
marked T. 18 N. R. 11 E. S. 28  
D. 2.

A pinion, 18 ins. dia., bears  
N. 21° 04' E., 100 lbs. dist.,  
marked T. 18 N. R. 11 E. S. 21  
D. 2.

Land, level and mountainous.  
Soil, sandy and gravelly;  
1st, and 2nd red soil.  
Timber; pinion, cedar, juniper  
and oak; undergrowth;  
small timber, black brush,  
magnolia and chaparral.  
Mountainous or lands covered  
with dense undergrowth  
and exceptionally difficult  
to survey 80.00 lbs.



Chs. T. 89° 39' E. on a random line bet. sec. 22 and 27  
wood at temp. 1/2 sec. cor.

79.96 Entered N. and V. line, 2 lbs. N. of the cor. of sec. 22, 23, 26 and 27.

Thence V curve,

N. 89° 38' W. on a true line bet. sec. 22 and 27.

Ascend mountainous S. W. slope through scattering timber and dunes undergrowth, wet bluffs and boulders and exceptionally difficult to survey.

83.50 Dry bed of Gum Valley Creek, 40 lbs. wide, in canyon, 50 ft. below cor., course V.

Ascend rugged E. slope of divide over spurs and draws.

17.50 Spur, 400 ft. above creek, slopes S. 10° E.

84.00 Ravine, 500 ft. deep, course D. E. Ascend.

89.98 Top of a granite stone 34x10x8 ins., 18 ins. in the ground, for 1/2 sec. cor., marked 1/4 by the N. face; from which there are no trees in limits; raised mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.; pits impracticable.

22.80 Trail, base N. and V.

94.50 Summit of mountain, divide, bet. Gum Valley Canyon and Star Valley Creek, course, 1500 ft. above Gum Valley Canyon, base N. and V. Ascend W. slope, leaving bluffs and boulders

Subdivisions of P. 10 N., R. 11 E.

Chs. 79.96 The cor. of secs. 21, 22, 27 and 28, 25 ft. below divide.  
Land. Mountainous.  
Cof., gravelly and stony; red and thin soil.  
Timber, cedar, oak and pinion; undergrowth, small timber, cholla and mesquite.  
Mountainous or lands covered with dense undergrowth, bluff and precipitous and exceptionally difficult to survey, 79.96 Chs.

No. 52 ft. bet. secs. 21 and 22  
~~Ascend~~ ascend along mountainous N. slope of divide, through scattering timber and dense undergrowth and exceptionally difficult to survey.

- 1.75 Head of draw, 100 ft. below cof., course N. Ascend.
- 11.83 Spur, 150 ft. high, slopes N.
- 40.00 Set a granite stone, 24 x 14 x 6 in., 18 in. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  with N. H. face; from which,
  - U pinion, 10 in. dia., bears S. 15° 18' E., 221 lbs. dist., marked  $\frac{1}{4}$  V 22 D D
  - Q pinion, 12  $\frac{1}{4}$  in. dia., bears S. 10° 38' N., 197 lbs. dist., marked  $\frac{1}{4}$  V 21 D D
- 59.80 Dry wash, 10 lbs. wide, in ravine, 500 ft. below spur, course S. 60° N. Ascend.
- 61.00 Spur, 175 ft. high, slopes E.
- 71.53 Trail bears N. N. W. and V. C.

Chs.

73.95

80.00

saw, 75 ft. deep, course  $N. 65^{\circ} E.$   
 around S. E. slope of  
 mountain, 25 ft. to

Set a granite stone, 66 x 12 x 6  
 ins., 12 ins. in the ground,  
 struck rock, raised a mound  
 of stone around for cor.

of sec. 15, 16, 21 and 22, marked  
 10 N on the N. E. and 11 E. on  
 S. E. facis; with 3 notches on  
 the N. and E. edges; from  
 which

A pinion, 8 ins. dia., bears  
 $N. 67^{\circ} E.$ , 158 lbs. dist.  
 marked 10 N 11 E  
 15 D 21

A pinion, 10 ins dia., bears  
 $S. 6^{\circ} 40' E.$ , 68 lbs. dist.  
 marked 10 N 11 E  
 15 D 21

A cedar, 14 ins dia., bears  
 $S. 18^{\circ} 40' E.$ , 15 lbs. dist.  
 marked 10 N 11 E  
 15 D 21

A pinion, 12 ins. dia.,  
 bears  $N. 21^{\circ} E.$ , 87 lbs.  
 dist., marked 10 N  
 11 E 16 D 21

Land, mountainous.

Soil, gravelly and stony;  
 red and 4th rat; 1

Timber, pinion, cedar and  
 juniper; undergrowth,  
 small timber, mesquite  
 and sage.

Mountainous or lands covered  
 with dense undergrowth,  
 bluff and precipitous  
 and exceptionally dif-  
 ficult to survey, 80.00 chs.  
 April 9, 1908

195  
BOOK 2082

# Subdivision of T. 15 N., R. 11 E.

Chs. V. 89° 38' E. on a random  
line bet. sec. 15 and 22.  
40.00 Left temp.  $\frac{1}{4}$  sec. cor.  
79.90 Entered  $\frac{1}{4}$  N. and V. line,  
33 lbs. N. of the cor. of sec.  
14, 15, 22 and 23.  
Distance run  
N. 89° 44' E. on a true line  
bet. sec. 15 and 22.  
Descent mountainous th.  
slope into canyon,  
through scattered timber  
and dense undergrowth,  
and exceptionally difficult  
to survey.  
7.20 Cross Valley Creek, 50 lbs.  
wide, in canyon, 200 ft.  
below cor., course S. 10° E.  
Over bottom.  
9.50 Leave bottom, bears N. and V.  
and ascend precipitous E.  
slope of mountain.  
89.90 Set a granite ston, 24 x 18 x 8  
ins., 18 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$   
on the N. face; from which  
a purple, 45 ins. dia,  
bears S. 49° 28' E., 84 lbs.  
dist., marked  $\frac{1}{4}$  V 22  
D.P.  
No other trees in limits; raised  
a mound of ston, 2 ft. base,  
 $\frac{1}{2}$  ft. high, N. of cor.; pits  
impracticable.  
45.00 Top of ascent, hog back, 1000  
ft. above creek, bears N.  
and V. Over rocky summit.  
50.10 Summit of divide, 100 ft.  
above hog back, bears N. and  
V. Descent steep th.  
slope, leaving bluffs.

Subdivisions of T. 15 N., R. 11 E. 196<sup>11</sup>

BOOK 2082

Chs.

75.25

Canyon, 500 ft. deep, course V.  
Ascend V. E. slopes of mountain,  
50 ft. to

79.90

The cor. of sec. 15, 16, 31 and 32.  
Land, mountainous.

Soil, sandy and gravelly;  
red and + th. caly;

Timber, pinon, oak and cedar;  
undergrowth, small timber,  
sage, laurel, manzanita,  
~~musquit~~ and cholla.

Mountainous or lands covered  
with dense undergrowth,  
precipitous, bluff and  
exceptionally difficult to  
survey, 79.90 chs.

N. 02 02 ft. bet. sec. 15 and 16.

Ascend mountainous S. E.  
slope over bluff, precipitous  
land, though scattering  
timber and dense under-  
growth, and exceptionally  
difficult to survey.

81.20

Up, 500 ft. above cor., slopes  
S. 80° E. Over bluffs into  
gorge.

85.36

Cor. C, 200 ft. deep, course C.  
Precipitous ascent over slides,  
bluffs, rim rocks and boulders.

40.00

Set a granite stone, 24 x 14 x 6  
ins., 18 ins. in the ground.

For  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on  
the N. face; from which

A pinon, 10 ins. dia., bears  
N. 74° E., 64 lbs. dist.,  
marked  $\frac{1}{2}$  V 15 D 1.

A pinon, 4 ins. dia., bears

42  
197

# Subdivisions of T. 10 N., R. 11 E.

BOOK 2082

Chs. S. 45° 38' th, 34 lbs. dist.  
marked T 16 D 9.

56.75 Near precipitous land, bluffs  
and rim rocks, bears E. and th.  
erty scattering underground.

65.50 Summit of mountain, 1500  
ft. above gorge, bears E.  
and th. descend into  
deep gorge over slides.

74.50 Canyon, 300 ft. deep, course  
N. 60° E. Ascend steep S.E.  
slope over slides and irreg-  
ular bluffs.

80.00 Set a quartz stone, 15 x 14 x 5  
ins., 10 ins. in the ground,  
for cor. of sec. 9, 10, 15 and  
16, marked with 4 notches  
on the S. and 3 notches on  
the E. edges, from which  
A cedar, 8 ins. dia., bears  
S. 36° 14' th, 41 lbs. dist.  
marked T 10 N D 11 E  
T 16 D 9.

A cedar, 8 ins. dia., bears  
N. 28° 58' th, 54 lbs.  
dist., marked T 10 N  
D 11 E T 9 D 9.

No other trees in limits;  
sawed a mound of stone  
2 ft. base, 1 1/2 ft. high, th. of  
cor., pits intractable.

Land, mountainous  
Soil, gravelly and stony;  
red and 4th sat.

Timber, pine, cedar and  
juniper; underground, small  
timber, mesquite, cactus  
and sage.

Mountainous, or lands covered  
with dense underground  
bluffs, precipitous and

Chs. and exceptionally difficult to survey so. 60 chs

T. 89° 44' E. on a random line bet. secs. 10 and 15.

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

50.00 Churning N. and S. line, 2 chs.

S. of the cor. of secs. 10, 11, 14 and 15

Thence run

N. 89° 45' E. on a true line bet. secs. 10 and 15.

Ascend mountainous E. slope over precipitous land, bluffs, cliffs, boulders, scattering timber, scattering undergrowth and exceptionally difficult to survey.

16.50 Ridge on hog back, 400 ft. above cor., bears N. and S. descend into deep canyon.

25.00 Gorge, 300 ft. deep, course S. E.; still descending.

34.50 Gorge, 100 ft. deep, course S. E.

36.50 Hog back, 100 ft. above gorge, slopes S. 30° E. Abrupt descent.

40.10 Let a granite stone, 28 x 10 x 4 ins., 2 ins. in the ground,

for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the N. face; from which

A principle, 24 ins. dia., bears N. 89° 23' E., 141 lbs. dist., marked  $\frac{1}{4}$  V 10 B P.

A secondary, 18 ins. dia., bears S. 73° 31' E., 157 lbs.

dist., marked  $\frac{1}{4}$  V 15 B P.

41.50 Foot of canyon, 200 ft. below

44  
199

2082

# Subdivision of T. 18 N., R. 11 E

BOOK

Chs. hog back, course S. Over  
 bottom.  
 40.45 Run Valley Creek, 50 lbs.  
 wide, course S. Ascend  
 rugged, bluff S. slope  
 of mountain.  
 45.50 Now gradual ascent.  
 50.00 The cor. of secs. 9, 10, 15, and  
 16, 1500 ft. above creek.  
 Land, level and mountainous.  
 Soil; sandy, gravelly and  
 stony; red and grey saty.  
 Timber; cedar, pines, oak,  
 sycamore and juniper;  
 Undergrowth, small timber,  
 mosses, cactus and cholla.  
 Mountainous islands covered  
 with bluffs, slides and  
 exceptionally difficult  
 to survey, 50.00 Chs.

April 10: At 3<sup>45</sup> 40<sup>m</sup> P. M.  
 11.00 A. M. Set off 04<sup>00</sup> 10<sup>11</sup> N. on  
 the lat. acc; 8<sup>55</sup> 11<sup>00</sup> N. on the  
 did. acc; and determining  
 a meridian, with the solar  
 at the cor. of secs. 9, 10, 15  
 and 16.  
 Thence Run  
 N. 5<sup>00</sup> - 02<sup>00</sup> th. bet. secs. 9 and 10.  
 Ascend mountainous S. E.  
 slope of mountain, over  
 slides and irregular  
 cliffs, through scattering  
 timber and undergrowth  
 and exceptionally diffi-  
 cult to survey.  
 11.50 Ridge spur, 500 ft. above  
 cor., slopes S. E. ascend.



34.50 Canyon, 500 ft. deep, course N.E. Around through dense undergrowth.

40.00 Top of a granite stone, 18x12x8 ins., 12 ins. in the ground for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on the N. face; No trees in limits; raised a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.; pits impracticable.

71.50 Top divide, 800 ft. above canyon, base E. and N. beyond. ~~100~~ ft. to.

80.00 Top of an iron stone, 28x16x10 ins., 21 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on the S. and 3 notches on the E. edges; from which,

A pine, 10 ins dia., base N. 66° 10' E. 75 lbs. dist., marked T 10 N R 11 E  
 V 3 & D 9

A pinion, 20 ins dia., base S. 53° 12' E, 175 lbs. dist., marked T 10 N R 11 E  
 V 10 & D 9

A pinion, 6 ins. dia., base ~~S. 53° 12' E~~ <sup>S. 31° 30' W</sup> 175 lbs. dist., marked T 10 N R 11 E  
 V 9 & D 9

A pinion, 6 ins. dia., base N. 48° 35' E, 185 lbs. dist., marked T 10 N R 11 E  
 V 4 & D 9

Land, mountainous.

Soil, gravelly and stony; red sand & clay.

Timber, pinion, undergrowth, mesquite, chopash and manzanita.

Subdivision of P. 18 N., R. 11 E.

Chs. Mountainous lands covered with dense undergrowth, bluff & precipitous and exceptionally difficult to survey, no rocks.  
Not on line at noon, prevented taking the lat.

April 10, 1887.

April 11: At 7:03 a.m. Cont.  
Set off 54° 14' N. on the lat. arc; 8° 21' N. on the decl. arc; and determining a meridian with the solar at the cor. of secs. 8, 9 and 10.

Thence Run

S. 89° 45' E. on a random line bet. secs. 8 and 10.

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

80.05 Entered  $\frac{7}{8}$  the N. and S. line, 12 chs. S. of the cor. of secs. 2, 3, 10 and 11.

Thence Run

N. 89° 50' W. on a true line bet. secs. 8 and 10.

Second precipitous S. slope over slides and bluffs into ravine, through scattering timber, no undergrowth. And exceptionally difficult to survey.

5:23 Ravine, 750 ft. below cor., cross S. Ascend.

10:50 Livid, 600 ft. above ravine, bears N. and S. Precipitous descent, through dense undergrowth into deep canon.

24.00 Run Valley Creek, S. Fork, 200 chs. wide, in canon 100 ft.

- Chs. deep, course S. Ascend steep E. slope.
- 35.00 Spur, 50 ft. above creek, slopes N. E. descend into ravine.
- 40.04 The true point for  $\frac{1}{4}$  sec. cor. falls on the ledge, ex ex 5 ft. above the ground; at exact point, set a cross for  $\frac{1}{4}$  sec. cor. and mark  $\frac{1}{4}$  on the N. side of cross, 6 ins. dist.; from which an oak, 5 ins. dia., bears N.  $35^{\circ}46'$  E., 37 lbs. dist., marked  $\frac{1}{4}$  V O P P.  
A sycamore, 12 ins. dia., bears S.  $52^{\circ}51'$  E., 107 lbs. dist., marked  $\frac{1}{4}$  V O P P.
- 42.73 Ravine, 50 ft. below spur, course N.  $60^{\circ}$  E.
- 44.25 Spur, 75 ft. high, slopes S.
- 46.00 Ravine, 30 ft. below spur, ~~slopes S. E.~~ Ascend through heavy timber, bears N. N. and S. E.
- 57.95 Ridge, 80 ft. above ravine, bears N. and S. descend.
- 63.00 Ravine, 150 ft. deep, course N. Ascend through scattering timber, bears E. and S., leaving bluffs.
- 82.08 The cor. of secs. 3, 4, 9 and 10, 150 ft. above ravine.  
Land; mountainous.  
Soil; gravelly; red clay.  
Timber; pines, cedars, oak and sycamore; undergrowth, laurel, mosquito and manzanita.  
Mountainous, heavily timbered or lands covered with

# Subdivisions of T. 10 N., R. 11 E.

BOOK 2082

Chs. dense undergrowth, cliffs  
bluffs and exceptionally  
difficult to survey  
80.05 chs.

N. 0° 00' Th. on a random line  
bet. secs. 3 and 4.

40.00 Let temp.  $\frac{1}{2}$  sec. cor.  
79.64 Entered #7. Ddr. of the 1/2  
30 lbs. E. of the cor. of secs.  
3, 4, 33 and 34, established  
under this contract.

Thence down

S. 0° 15' E. on a true line bet.  
secs. 3 and 4.

Ascend over mountainous  
land, through scattering  
timber and dense under-  
growth, and exceptionally  
difficult to survey.

21.00 Spur, 150 ft. high, slopes th.

28.75 Draw, 500 ft. deep, course S. th.

34.00 Spur, 200 ft. high, slopes th.

39.64 Let a granite stone, 18x12x8 ins.,  
10 ins. in the ground, for  $\frac{1}{2}$   
sec. cor., marked  $\frac{1}{2}$  on the th.  
face from which,

A fir, 9 ins. dia., bears N.  
1° E., 74 lbs. dist., marked  
 $\frac{1}{2}$  V 3 D 3

A cedar, 10 ins. dia., bears S.  
30° E., 11.6 lbs. dist., marked  
 $\frac{1}{2}$  T 4 D 3

40.00 Ravine, 200 ft. below spur,  
course N. 60° th. ascend.

79.64 The cor. of secs. 3, 4, 9 and 10,  
800 ft. above ravine.

Land, mountainous.  
Soil, gravelly; sand and  
red slate.

Chs. Timber, cedar and pines;  
undergrowth, small timber,  
mosses, laurel and  
mosses.

Mountainous, & lands crossed  
with dense undergrowth,  
and exceptionally difficult  
cut to survey. 1964 chs

From the cor. of secs. 32 and 33  
on the N. side of the 1/2<sup>o</sup> E.,  
established under this  
contract.

Run

N. 0° 02' E. bet. secs. 32 and 33  
bearing into ravine, through  
scattered timber and  
undergrowth, and exception-  
ally difficult to survey

2.95 Station, 50 ft. below cor., course  
E. Ascend over slides.

6.00 Turn, 150 ft. high, slopes N. 60° E.

40.00 Set a basalt stone, 18 x 12 x 5  
ins., 10 ins. in the ground  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on  
the N. face; from which,

A cedar, 6 ins. dia., base  
N. 63° 04' E., 28 chs. dist.  
marked  $\frac{1}{4}$  N. 0° 02' E.

43.02 Ravine, 200 ft. deep, course N. E.

55.10 Ridge spur, 400 ft. high, slopes  
N. 60° E. Over boulders.

88.00 At a point, 300 ft. below ridge,  
set a basalt stone, 18 x 10 x 6  
ins., 10 ins. in the ground, for  
cor. of secs. 28, 29, 30 and 31,  
marked with 1 notch on the  
N. and 4 notches on the E.  
edges; from which

Subdivision of P. 107, D. 11 E

- Chs. A pinion, 5 ins. dia.,  
bears N. 65° 58' E., 115  
lbs. dist. marked P  
107, D. 11 E V 28 & D.
- A pinion, 5 ins. dia.,  
bears V. 86° 19' E., 165  
lbs. dist. marked P  
107 & D. 11 E V 30 & D.
- A cedar, 2 1/2 ins dia., bears  
V. 87° 58' th., 51 lbs.  
dist. marked P 107  
D. 11 E V 30 & D.
- A pinion, 8 ins. dia.,  
bears N. 87° 26' th., 87 lbs.  
dist. marked P 107  
N. 107, D. 11 E V 29 & D.

Land, mountainous.  
Soil, sandy and gravelly;  
and and red sat.  
Timber, cedar and pinion; under-  
growth, mesquite, choparral  
and cactus  
Mountainous or lands covered  
with slides, boulders and  
exceptionally difficult to  
survey, so. so. Chs.

East on a random line  
bet. secs. 28 and 33.  
40.00 Left temp. 1/2 sec. cor.  
80.00 Entered st. and V. line, 7 lbs.  
N. of the cor. of secs. 28, 29,  
30 and 33.  
Thence V. curve,  
N. 89° 37' th. on a true line bet.  
secs. 28 and 33.  
Over level land in Houston  
Pocket through scattering  
timber and V. dense under-  
growth and exceptionally

- Chs. difficult to survey.
- 4.00 Lead Pocket, base N. and S. 0° E. and around steep, bluffy E. slope of ridge.
- 24.61 Summit of ridge, 1500 ft. above ~~level~~ land, base N. and S. At this point, set a west flag which will be visible from the high points of the descent over irregular bluffs and can sink into deep canyon.
- 40.04 The true point for  $\frac{1}{4}$  sec. cor. falls on a ledge 544 x 5 ft. above ground, at the exact point. Set a cross for  $\frac{1}{4}$  sec. cor., and mark  $\frac{1}{4}$  on the N. side of cross 6 ins.  $\frac{1}{4}$  dist. from which a pinion, 2 ins. dia., base N. 20° 30' E., 45 lbs. dist. marked  $\frac{1}{4}$  V 28 D 9.
- No other trees in limits; raised a mound of stone, 100 ft. base, 2 ft. high, N. of cor., bits impracticable.
- 52.41 Canyon, 500 ft. deep; dry wash, 50 lbs. wide, course S.
- 53.16 Dry wash, 20 lbs. wide, course S. 0° E. Around bluffy E. slope.
- 50.08 The cor. of secs. 28, 29, 30 and 31, 500 ft. above canyon. Land, low and mountainous. Soil, sandy and gravelly; red and red clay. Timber, pinion, oak and cedar; undergrowth, mesquite, manzanita, cactus and chofarral. Mountainous, or lands covered

Subdivision of T. 15 N., R. 11 E.

Chs with dense undergrowth, bluffs and slides, and exceptionally difficult to survey, so. 88 chs.  
Not on line at now provided taking the latitude.  
April 11, 1908.

April 12: At 7:00 a.m. l.m.t., I set off  $34^{\circ} 10'$  N. on the lat. arc;  $8^{\circ} 45'$  N. on the decl. arc; and determining a meridian with the solar at the cor. of secs. 28, 29, 32 and 33.

Thence I run N.  $5^{\circ}$  S. 1/2 S. of sec. 28 and 29. Across over mountainous land, through scattering timber and dense undergrowth, and exceptionally difficult to survey.

- 0.25 Spur, 50 ft. above cor. of slopes.
- Secured over bluffs into ravine.
- 15.25 Ravine, 250 ft. deep, course E.
- 29.25 Spur, 150 ft. high, slopes E.
- 36.75 Ravine, 200 ft. below spur, course E. Over rolling S.E. slope, having slides and bluffs.
- 40.00 At ~~any~~ stone,  $48 \times 10 \times 4$  ins., 21 ins. in the ground, for  $\perp$  sec. cor., marked  $\frac{1}{4}$  on the face; from which  
 A stake, 24 ins. dia., bears N.  $37^{\circ}$  E. 10' C., 43 lbs. dist., marked  $\frac{1}{4}$   $\sqrt{28}$  10' 3".  
 A pinion, 18 ins. dia., bears



Chs.	T. 48° 24' H. 195 lbs. dist. marked $\frac{1}{2}$ V 29 D 9
55.40	Hatch, 20 lbs. 7 wide, in draw 23 ft. deep, course T. 50° E
64.00	Steep ascent, of mountainous T. H. slope over irregular bluffs.
70.50	Cave, 200 ft. above ravine, slope E.
73.15	Hatch, in crevice, 75 ft. deep, course T. H. E.
80.00	At a point, 150 ft. above crevice, I set a quartz stone, 6x4x6 ins. 11 ins. in the ground, struck rock and raised a mound of stone around, for each piece 20, 21, 22 and 29, marked with 2 notches on the V and 4 notches on the E. edge, from which:
	A cedar, 14 ins. dia., bears N. 69° 23' E, 64 lbs. dist., marked T. 10N R. 11E V 21 D 9.
	A cedar, 5 ins. dia., bears T. 81° 10' E, 58 lbs. dist., marked T. 10N R. 11E V 28 D 9.
	A cedar, 18 ins. dia., bears T. 58° 0' H, 95 lbs. dist., marked T. 10N R. 11E V 29 D 9.
	A cedar, 14 ins. dia., bears N. 03° 10' H, 187 lbs. dist., marked T. 10N R. 11E V 28 D 9.
	Land, mountainous.
	Soil, gravelly and stony; red and red soil.
	Timber, Pinon, Juniper and oak; undergrowth, small timber, mesquite, cactus and

Subdivision of T. 1 S. N. 10 E.

Chs. Chaparral.

Mountainous, so lands covered with dense undergrowth, bluff and precipitous, and exceptionally difficult to survey, so. 0 to chs.

T. 89° 52' E. on a random line bet. secs. 21 and 28.

40.00 Let temp. 1 sec. cor.

80.14 Entered N. and T. line, 7 lks N. of the cor. of secs. 21, 22, 27 and 28.

Thence down

N. 89° 54' Th on a true line bet. secs. 21 and 28.

ascend rugged th. slope of mountain, through scattering timber and dense undergrowth and exceptionally difficult to survey.

80.75 Set wash in canyon, 500 ft. deep, course T. 80° th. descend.

40.07 Set a quartz stone, 18 x 6 x 4 ins., 10 ins. in the ground, 1/2 sec. cor., marked 1/2 on the N. face, from which

A pinion, 10 ins. dia., bears N. 5° 12' th., 299 lks. dist., marked 1/2 V 21 & 28.

A pinion, 7 1/2 ins. dia., bears S. 62° 55' th., 21 lks. dist., marked 1/2 V 28 & 29.

55.60 Spur, 150 ft. high, slopes S. descend along bluff & S. th. slope over draws and spurs.

80.14 The cor. of secs. 20, 21, 28 and 29 500 ft. below spur. Land, mountainous.

Cks. Soil, sandy and stony; and  
 and red soil.  
 Timber; pinion, cedar and  
 oak; undergrowth, small  
 timber, mesquite and  
 chaparral.

Mountainous, or lands  
 covered with dense under-  
 growth, bluffy and excep-  
 tionally difficult to  
 survey, so, 4 cks.

April 12: At this cor., I set  
 off (04° 11' 1/2" North lat. acc.)  
 8° 46' 1/2" in the decl. acc.;  
 and at 12 1/2 m. p. m. (m. mt.)  
 observe the sun on the me-  
 ridian; the resulting  
 latitude is 04° 11' 1/2" ✓

N. 5° or 6° N. bet. sec. 20 and 21.  
 Ascend precipitous V. th. slope  
 of mountain, through scat-  
 tering timber and dense under-  
 growth, over bluffs and  
 slides and exceptionally  
 difficult to survey.

10.50 Top, or rocky point, 150 ft.  
 above cor., follows V. th.  
 descend into gorge.

17.75 Gorge, 200 ft. deep, course V. th.  
 precipitous ascent over  
 bluffs, rim rocks, cliffs and  
 slides.

4500 The true point for 1/2 sec. cor.,  
 follows a boulder, 2 x 4 ft.  
 above ground; at exact point,  
 I cut a cross for 1/2 sec. cor.,  
 and mark on the side of cross,  
 vis. dist. from which  
 A pinion, 10 ins. dia., bears

Subdivision of T. 10 N., R. 11 E.

Chs. x T. 80°-00' E., 38 lbs. dist.,  
 marked  $\frac{1}{4}$  V 21 & P.  
 A pinion, 10 ins. dia., bears  
 N. 20°-04' H., 65 lbs. dist.,  
 marked  $\frac{1}{4}$  V 20 & P.

53.00 Summit of divide, bet Clay  
 Valley Creek and Green Valley  
 River Basin, 1200 ft. above  
 gorge, bears N. 30° E., and V.  
 80° H. Descend along  
 precipitous N. H. slope.

53.50 At a point, 300 ft. below  
 summit, set a granite  
 stone, 28 x 14 x 14 ins., 21 ins. in  
 the ground, for cor. of sec.  
 16, 17, 20 and 21, marked with  
 3 notches on the V and 4  
 notches on the E. edges; from  
 which  
 A pinion, 10 ins. dia., bears  
 T. 13°-50' E., 40 lbs. dist.,  
 marked T. 10 N. R. 11 E.  
 $\frac{2}{16}$  & P.

A pinion, 10 ins. dia., bears  
 T. 3°-00' H., 29 lbs. dist.,  
 marked T. 10 N. R. 11 E.  
 20 & P.

A pinion, 10 ins. dia., bears  
 N. 42°-00' H., 18 lbs. dist.,  
 marked T. 10 N. R. 11 E.  
 V 12 & P.

No N. E. tree in limits; raised  
 a mound of stone, 2 ft.  
 base,  $\frac{1}{2}$  ft. high, H. of cor.,  
 pits imperceptible.

Land, mountainous.  
 Soil, gravelly and stony;  
 red sand & gravel.

Timber; pinion, mesquite,  
 oak and cedar; undergrowth  
 small timber and chaparral.

Cks. Mountainous, so lands covered with dense undergrowth and exceptionally difficult to survey, bluffs and slides, ss. or sh.

T. 89° 54' E. on a random line bet. secs. 16 and 21.  
 40.00 Let temp.  $\frac{1}{4}$  sec. cor.  
 80.40 ~~Returned~~  $\frac{1}{4}$  R. and T. line, 16 lbs T. of  $\frac{1}{4}$  cor. of secs. 16, 17, 20 and 21.

Thence I run T. 89° 59' th. on a true line bet. secs. 16 and 21.

Ascend mountainous T. E. slope over irregular cliffs and slides, though scattering timber and dense undergrowth and exceptionally difficult to survey.

5.07 Trip back N. 10° th. and T. 10° E.  
 20.95 Spur, 500 ft. high, slopes T. 10° th.  
 26.34 Ravine, 500 ft. deep, course T. 80° th.

40.20 Set a granite stone, 24 x 12 x 12 ins., 18 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the  $\frac{1}{4}$  R. face; from which  
 A cedar, 16 ins. dia., bears N. 22° 58' th., 87 lbs. dist., marked  $\frac{1}{4}$  V 16 D P.  
 A pinion, 7 ins. dia., bears T. 76° 05' th., 120 lbs. dist., marked  $\frac{1}{4}$  V 20 D P.

71.75 divide bet. Star Valley Box Canyon and Grand Valley Basin, 800 ft. above ravine, bears N. and T. Deep descent into Canyon over bluffs

Subdivision of T. 10 N., R. 11 E.

Chs.

80.40

The cor. of secs. 16, 17, 20 and 21,  
500 ft below divide.

Land, mountainous.

Soil, gravelly; end and red soil.  
Timber, pines, cedars, junipers  
and oak; undergrowth,  
small timber, cactus and  
mosquito.

Mountainous, ~~lands~~ covered  
with dense undergrowth  
bluffy and prickly  
and exceptionally difficult  
to survey, 80.40 Chs.

April 12, 1908.

April 10: At 7<sup>h</sup> 10<sup>m</sup> a.m. l.m.t.  
Set off 34° 12' N. on the  
lat. arc, 9° 05' N. on the decl.  
arc; and determine a  
meridian with the solar  
at the cor. of secs. 16, 17, 20  
and 21.

Thence I run

N. 0° 02' E. bet. secs 16 and  
17.

Second along mountainous  
N. th. slope through scat-  
tering timber and dense  
undergrowth and excep-  
tionally difficult to  
survey.

0.50

Passing 200 ft deep, cross the  
ground along rugged N. th.  
slope, through scattering  
timber and dense undergrowth  
and exceptionally difficult  
to survey.

- Chs.  
 9.75 Hog back, 300 ft. above ravine  
 slopes S.  
 14.15 Ravine, 150 ft. deep, course  
 S. Th. Precipitous ascent.  
 35.40 Summit of ridge spur,  
 400 ft. high, slopes S. Th.  
 descend over great bluffs.  
 39.50 Foot of great bluffs, bears  
 E. and S. Th. 150 ft. below top,  
 still descending.  
 40.00 The true point, for  $\frac{1}{4}$  sec.  
 cor. falls on a ledge  
 3 x 3 x 5 ft. above ground;  
 at the exact point. Set  
 a cross for  $\frac{1}{4}$  sec. cor., and  
 marked  $\frac{1}{4}$  on the S. face;  
 from which  
 A pinion, 8 ins. dia., bears  
 N. 9° 00' E., 95 lbs. dist.,  
 marked  $\frac{1}{4}$  V. 16 D. 5.  
 A pinion, 6 ins. dia., bears  
 N. 20° 00' S., 26 lbs. dist.,  
 marked  $\frac{1}{4}$  V. 17 D. 5.  
 61.00 Stag Valley Creek, in great  
 Boy Canyon, 800 ft. below  
 ridge, 1700 lbs. wide, course  
 S. 10° 00' Th. Ascend along  
 mountainous S. E. slopes,  
 bluffs, rimrocks and  
 boulders.  
 80.00 At a point, 400 ft. above  
 creek, set a granite  
 stone, 28 x 16 x 8 ins., 21 ins.  
 in the ground, for cor.  
 pieces S, 9, 16 and 17, marked  
 with 4 notches on the S.  
 and E. edges; from which  
 A pinion, 8 ins. dia., bears  
 N. 66° 00' E., 27 lbs. dist.,  
 marked S. 10 N., R. 11 E.

Subdivisions of T. 15 N., R. 11 E.

Chs.

T 9 & 10

A pinion, 8 ins. dia., base  
T. 29° 10' E, 30 lbs. dist.,  
marked T 15 N D 11 E

T 16 & 17

A pinion, 6 ins. dia., base  
T. 51° 13' N, 115 lbs. dist.,  
marked T 15 N D 11 E

T 17 & 18

A pinion, 10 ins. dia., base  
N. 32° 55' W, 59 lbs. dist.,  
marked T 15 N D 11 E

T 18 & 19

Land, mountainous.

Soil, gravelly and stony,  
and and old soil.

Timber, pinon, oak, cedar and  
juniper; undergrowth,  
small timber, mesquite and  
chaparral.

Mountainous, so lands covered  
with dense undergrowth,  
bluffs and exceptionally  
difficult to survey, so. 80 chs.

N. 89° 59' E., on a random line  
bet. secs. 9 and 16.

4500 ft. temp.  $\perp$  sec. cor.

80.44. Entered  $\frac{1}{2}$  N. and T. line, 40 lbs.  
N. of the cor. of secs 9, 10, 15 and  
16.

Thence I run,

N. 89° 43' W. bet. secs. 9 and 16,  
on a true line.

Ascend over mountainous  
land, through scattering  
timber, deep undergrowth,  
bluffs, slides and exception-  
ally difficult to survey



Chs.  
30.03 Summit of divide, 800 ft.  
above elev., bears N. and S.  
Trail, bears N. and S. on edge.  
descend S. slope into  
canyon

40.02 Cut a granite stone, 86 x 12 x 8  
ins., 12 ins. in the ground,  
struck rock, and raised a  
mound of stone around  
four corners, marked  $\frac{1}{4}$  with  
N. face; from which  $\frac{1}{4}$   
A pinion, 5 ins. dia.,  
bears N. 50° - 20 ft., 14 lbs.  
dist. marked  $\frac{1}{4}$   $\frac{1}{4}$   
9 D. S.  
A juniper, 14 ins. dia.,  
bears S. 04° - 20 ft., 82  
lbs. dist. marked  $\frac{1}{4}$   
16 D. S.

41.00 Precipitous descent over  
bluffs into deep canyon.

64.10 Lac Gallery Creek, 100 lbs.  
wide, in Boy Canyon, 1200  
ft. below ridge, course  
S. 10° E. Beyond mountain-  
ous S. E. slope over bluffs  
and rim rocks.

80.44 Thca. of elevs. 8, 9, 16 and 17, 250 ft.  
above creek.

Land, mountainous.  
Soil, gravelly and stony,  
red and 4th sat.  
Timber, pinion, oak, cedar  
and juniper; undergrowth,  
small timber, cactus,  
mosquit and manzanita.  
Mountainous, swamps covered  
with dense undergrowth  
bluffs, precipitous and  
exceptionally difficult to

Subdivision of T. 15 N., R. 11 E.

Chs survey, 80.44 chs.  
 April 13: At this cor. Set  
 off  $9^{\circ} 28' N.$  on the ~~line~~.  
 arc; and at  $12^{00} - 30^s$  p.m.,  
 l.m.t., observe the sun on the  
 meridian; the resulting  
 latitude is  $37^{\circ} 13' N.$

- 30.00 Spur, 50 ft. above cor. slope  $S. 2^{\circ} E.$   
 Ascend over rugged N.E. slope  
 into canyon.
- 31.25 Foot of descent, 150 ft. below,  
 spur leaving bluffs, bear  
 N. H. and  $S. 2^{\circ} E.$  Over creek  
 bottom.
- 34.90 Star Valley Creek, 100 yds. wide,  
 in banks, 15 ft. high, course  
 $S. 20^{\circ} E.$  Ascend broken  $S. H.$   
 slope over scattering boulders  
 and cliffs.
- 40.00 Set a granite stone,  $8 \times 12 \times 5$   
 ins., 10 ins. in the ground,  
 struck rock and raised a  
 mound of stones around for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the  
 N. face; from which  
 A juniper, 14 ins. dia., bears  
 $S. 37^{\circ} 04' E.$  80 lbs. dist.,  
 marked  $\frac{1}{4}$   $S. 9^{\circ} 00' E.$   
 A pinion, 5 ins. dia., bears  
 $N. 80^{\circ} 00' W.$  14 lbs. dist.,  
 marked  $\frac{1}{4}$   $S. 5^{\circ} 00' E.$

Cks.

51.00 Spur, 150 ft. above creek slopes  
 T. 20' H. descend over  
 broken N. H. slope.

50.00 At a point, 50 ft. below spur,  
 set a gravity stony 28x14x6  
 ins., 2 ins. in the ground,  
 for cor. of secs. 4, 5, 8 and 9  
 marked with 3 notches on  
 the T. and 4 notches on the  
 E. edges, from which

An cedar, 6 ins. dia., bears  
 N. 86° 00' E., 93 lbs.  
 dist., marked T 10 N R 11  
 E 4 D 1.

An oak, 18 ins. dia., bears  
 V. 18° 12' E., 100 lbs. dist.,  
 marked T 10 N R 11 E  
 9 D 1.

An oak, 10 ins. dia., bears  
 V. 01° 10' H., 194 lbs. dist.,  
 marked T 10 N R 11 E  
 5 D 1.

An oak, 10 ins. dia., bears  
 N. 3° 13' H., 101 lbs. dist.,  
 marked T 10 N R 11 E  
 5 D 1.

Land, mountainous.

Soil, sandy and gravelly;  
 and and red rap.

Timber; pinion, cedar, sycamore  
 and oak; undergrowth,  
 small timber, brush, hard  
 hack, cholla and cactus.

Mountainous, so lands covered  
 with dense undergrowth;  
 bluff, precipitous and  
 exceptionally difficult to  
 survey, 8000 chs.

T. 89° 40' E. on a random line

Subdivision of P. 15 N., D. 11 E.

- Chs. bet sec. 4 and 9.  
40.00 Let temp. 1 sec. cor.  
80.04 Intersect N. and V. line, 35 lbs.  
T. 70° 50' E. of sec. 3, 4, 9 and 10.  
Thence V. Run  
N. 89° 58' E. on a true line bet  
secs. 4 and 9.  
Ascend along mountainous  
N. E. slope, through scattering  
timber, dark undergrowth  
and exceptionally difficult  
to survey.  
44.00 Ridge spur, 350 ft. above cor.  
Dip N. 10° E. descend.  
46.25 - Dabry, 150 ft. deep, course N.  
40.17 Let iron rod, 2 1/2 x 1 1/2 x 1 1/4 ins.,  
2 1/2 ins. in the ground, for  
sec. cor. marked 1 on the  
N. face; from which  
A juniper, 10 ins. dia, base  
N. 80° 56' E., 126 lbs. dist,  
marked 1 V 4 & P.  
A pinion, 8 1/2 ins. dia, base  
T. 60° 50' E., 78 lbs. dist,  
marked 1 V 9 & P.  
49.00 Summit of ridge, 800 ft. above  
ravine, bear N. and V.  
Thick descent into Clear Valley  
Basin.  
80.04 The cor. of sec. 4, 3, 8 and 9,  
800 ft. below ridge.  
Land, mountainous.  
Soil, sandy and gravelly,  
and and red clay.  
Timber, pinion, cedar, oak  
and juniper; undergrowth  
small timber, musquillo and  
manzanita.  
Mountainous islands covered  
with dense undergrowth,  
buffy and exceptionally

difficult to survey, so. w. 4 chs.

N. 82° 02' th. on a random line  
bet. sec. 4 and 5.

40.00 let temp.  $\frac{1}{2}$  sec. cor.

79.95 Entered  $\frac{1}{4}$  N. Rdy. of the T.P.,  
7 chs. th. of cor. of sec.

4, 5, 00 and 00, established  
under this contract.

Thence from

S. 8° 01' th. on a true line bet.  
sec. 4 and 5.

Ground broken  $\frac{1}{2}$  slope,  
~~through~~ scattering timber,  
and dense undergrowth,  
and exceptionally difficult  
to survey.

17.00 Dry bed of Spring Creek, in canyon,  
400 ft. below cor., course  $\frac{1}{2}$  both.  
Ascend precipitous bank.

024.00 Spur, 400 ft. high, slopes N. th.  
Cliff descent along  $\frac{1}{2}$  th. slope,  
occasional slides, boulders  
and rim rocks.

029.95 Let a gravity stony, 24 x 14 x 15  
ins., 18 ins. in the ground,  
for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on  
th.  $\frac{1}{2}$  face; from which

A pinion, 18 ins. dia., bears  
N. 69° 55' E., 84 chs. dist.,  
marked  $\frac{1}{2}$  V 4 D?

A pinion, 8 ins. dia., bears  
S. 66° 03' th., 22 chs. dist.,  
marked  $\frac{1}{2}$  V 5 D?

From this  $\frac{1}{2}$  sec. cor., the  
A. H. Franklin house, barn  
and outbuildings, bear  
S. 52° th., 12 chs. dist.

38.10 Foot of descent, 500 ft. below spur,  
bears N. th.,  $\frac{1}{2}$  E. Over Clay Valley

# Subdivision of S. 15 N., W. 11 E.

Chs. level land, leaving boulders and rim rocks. ✓

58.45 Franklin farm fence, bears N. H. and V. C.; thence over field, leaving timber and undergrowth.

71.54 Fence again, bears N. E. and V. H.; clear field and ascend over ridge spur and draw with western trend, scattering timber and dense undergrowth.

75.50 Spur, 800 ft. high, slope N. H. descend into V low basin

99.95 1/4 cor. of secs. 4, 5, 8 and 9, 150 ft. below spur.

Land, level and mountainous. Soil, sandy loam and gravelly; 1st and 2nd class.

Timber, pinion, oak and cedar; undergrowth, small cedar, mesquite, laurel, manzanita and chaparral.

Mountains, or lands covered with dense undergrowth, precipitous and exceptionally difficult to survey, 66.68 chs

April 13, 1908.

April 14: At 7:00 a.m. (m.t.) set off 34° 10' N. on the lat. acc., 9° 26' N. on the decl. acc.; and determine 9 meridian with the star at the cor. of secs. 5, 6, 8 and 9, on the V. D. of the T.P. established under this contract.

Thence resume.

- Chk. N.  $0^{\circ} 03' 00''$  W. bet. sec. 01 and 02.  
 Ascend mountainous S.E.  
 slope, through scattering  
 timber and dense undergrowth,  
 over boulders and rim rocks;  
 and exceptionally difficult  
 to survey.
- 15.70 Spur, 150 ft. high, slopes S.  $60^{\circ}$  E.  
 25.78 Gorge, 180 ft. deep, course  
 N.  $60^{\circ}$  E. Around.
- 40.00 Set a granite stone,  $26 \times 18 \times 12$   
 ins., 27 ins. in the ground,  
 for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on  
 the N. face; from which  
 A circle, 10 ins. dia., bears  
 S.  $66^{\circ} 41'$  E., 85 lbs. dist.,  
 marked  $\frac{1}{4}$  V. 02 D. 3.  
 A pinion,  $\frac{1}{4}$  6 ins. dia.,  
 bears S.  $16^{\circ} 15'$  W., 85  
 lbs. dist., marked  
 $\frac{1}{4}$  V. 01 D. 3.
- 56.07 Top of ascent, 500 ft. above  
 gorge, bears N.  $80^{\circ}$  W.; S.  $80^{\circ}$  E.  
 Thence along precipitous  
 E. slope over great bluffs,  
 almost impassible.
- 80.00 On E. slope of mountain, on  
 level with top of ascent,  
 I set a granite  $6 \times 2 \times 1$  ft.,  
 on bed rock in mound of  
 stone; for cor. of sec. 29, 30, 31  
 and 02, marked with  
 1 notch on the S. and 5 notches  
 on the E. edges; with a  
 cross at the west point.  
 No trees suitable for marking  
 in limits; raised a mound  
 of stone, 4 ft. base, 2 ft. high,  
 S. E. of cor., this being the  
 only position where a  
 mound would stand on

# Subdivision of T. 10 N., R. 11 E.

BOOK

Obs.

account of the steep  
bluffy slope; pits imprac-  
ticable.

Land, mountainous.

Soil, gravelly and rock;  
red and 4th cat.

Timber, cedars and pines;  
undergrowth; small timber,  
muskie, choparral and  
magnolia.

Mountainous or lands covered  
with dense undergrowth;  
precipitous, bluffy and  
exceptionally difficult to  
survey, so. to obs.

Cut on random line bet.  
secs. 29 and 30.

40.00  
80.00

Temp.  $\frac{1}{4}$  sec. cor.

Entered N. and T. line,  
2 lbs. N. of the cor. of secs.  
28, 29, 30 and 30.

Thence I run,

N. 89° 59' W. on a true line  
bet. secs. 29 and 30.

Ascend mountainous E. slope  
through scattering timber  
and dense undergrowth,  
over occasional slides  
rim rocks; and exceptionally  
difficult to survey.

18.51

Summit of ridge, 800 ft. above  
cor., base N. and T. descend  
precipitous the slope over bluffs  
rim rocks and slides.

40.00

Try point for  $\frac{1}{4}$  sec. cor.,  
falls on a ledge, 5 ft. x 4 ft.  
above the ground; at the  
exact point, I cut a cross  
for  $\frac{1}{4}$  sec. cor., and mark



Chs.

$\frac{1}{4}$  on the N. side of cross,  
7 from which,

A pinion, 16 ins. dia.,  
bears N. 84° 20' E., 207 lbs.  
dist. marked  $\frac{1}{4}$  V  
29 10 9.

A pinion, 24 ins. dia., bears  
S. 56° 00' W., 107 lbs. dist.,  
marked  $\frac{1}{4}$  V 02 10 9.

5406 Star Valley Creek, 23 lbs. wide,  
quick sand bottom, in  
Great Box Canyon, 1000 ft.  
deep, course N. of. Abundant  
precipitous E. slope over  
great bluffs, rim rocks,  
slides and boulders.

7792 The cr. of sec. 29, 30, 31 and  
32, 900 ft. above foot of  
canyon.

Land, mountainous.  
Soil, stony, red and rich soil.  
Timber, spruce, alder, sycamore  
and cedar; underground,  
small timber, muskrat,  
marmoset and chipmunk.  
Mountainous islands covered  
with dense undergrowth,  
bluffy and exceptionally  
difficult to survey  
so. or chs.

Street on a random line bet.  
secs. 30 and 31.

40.00 Let temp  $\frac{1}{4}$  sec. cr.  
29.15 Entered N. E. cor. of the T. 10 N.,  
12 lbs. S. of the cr. of sec.  
25, 30, 31 and 36, established  
under this contract.

Pinion & sun  
S. 89° 55' E. on a true line bet.  
secs. 30 and 31.

# Subdividing of S. 15 N. 20 E.

Chs. Ascend over rugged st. slope through scattering timber and dense undergrowth, boulders, rim rocks and exceptionally difficult to survey.

80.40 bri wash, in gorge, 100 ft. deep, cover V V

89.10 left a granite stone, 18 x 14 x 6 ins, 12 ins in the ground for  $\frac{1}{2}$  sec. cor. marked  $\perp$  on the N. slope, from which a cedar, 18 ins dia, bears N. 53-18' E., 4.20 lbs. dist; marked  $\perp$  V. 00 D 9.

No other trees in limits; raised a mound of stone, 5 ft. base, 2 ft. high, No. of cor.; pits unpeached.

95.00 Summit of divide, 500 ft. above sec. cor., bears N. and S. descend precipitous E. slope over great bluffs and boulders.

79.15 Shalers of secs 29, 30, 31 and 32, 50 ft. below summit.

Lands, mountainous. Soil, sandy and stony; and and wheat. Timber, pinyon and cedar; undergrowth, musquit and chaparral. Mountainous or lands covered with dense undergrowth, bluff and exceptionally difficult to survey.

79.15 chs. Overcast at noon prevents latitude observations and rain in afternoon prevents further work.

- Chs. N. 0'-08" th. bet. sec. 29 and 30.  
 Ascend along precipitous  
 E. slope of mountain, over  
 bluffs and slides through  
 scattering timber and dense  
 undergrowth, and excep-  
 tionally difficult to  
 survey.
- 4.70 Summit of divide, 15 ft. above  
 sec. cor., bears N. E. and V. 10°  
 th. Descend broken N. th. slope  
 into canyon, leaving great  
 bluffs, tortuous over slides  
 and rim rocks.
- 21.70 Ravine, 200 ft. deep, course N. 65° E.  
 26.15 Spur, 100 ft. high, slopes E.  
 27.84 Canyon, 175 ft. below spur, course  
 V. E.
- 33.50 Spur, 100 ft. high, slopes E.  
 40.00 Set a granite stone, 28 x 10 x 6  
 ins., 2 ins. in the ground, for  
 sec. cor., marked  $\frac{1}{4}$  on the  
 W. face, from which  
 A skunk bush, 4 ins. dia.,  
 bears V. 05°-13' E., 24 lbs.  
 dist., marked  $\frac{1}{4}$  V. 90° E.  
 A birch, 7 ins. dia., bears  
 N. 90°-48' th., 107 lbs. dist.,  
 marked  $\frac{1}{4}$  V. 05° E.
- 40.25 Draw, 100 ft. deep, course E.  
 40.50 Spur, 100 ft. high, slopes E.  
 Descend into canyon.
- 55.00 At a point, 400 ft. below spur,  
 Set a granite stone, 18 x 12 x 4  
 ins., 1 ins. in the ground,  
 for cor. of sec. 19, 20, 29 and 30,  
 marked with 2 notches on  
 the V. and 3 notches on the  
 E. edges; from which there  
 are no lines suitable for  
 marking in limits; raised

72  
227

# Subdivision of T. 18 N., R. 11 E.

BOOK 2082

Chs. a mound of stone, 2 ft. base,  
1 1/2 ft. high, th. of cor., pits in-  
practicable.

Land, mountainous.

Soil, gravelly and stony; red  
and red trap.

Timber, pinion and cedar; under-  
growth, mesquite, cactus,  
marrubium and Chaparral.

Mountainous or lands covered  
with dense undergrowth, bluffy  
and exceptionally difficult  
to survey, 80.00 lbs.

T. 89° 59' E. on a random line  
bet. secs. 28 and 29.

40.00 Left Camp, 1 sec. cor.

79.80 Entered # N. and T. line, 10 lbs.  
N. of the cor. of secs. 28, 29, 28 and  
29.

Thence I run

N. 89° 54' th. on a true line bet.  
secs. 28 and 29.

Descend mountainous T. th. slope  
through scattering timber,  
dense undergrowth, over  
rocks and exceptionally  
difficult to survey.

21.00 Dry wash, in canyon, 25 ft.

Below cor., course T. 89° E.

Descend bluffy T. E. slope.

22.00 Summit of mountain, 50 ft. above  
wash, bears N. and T. descend.

26.15 At this point, I set a th. C.  
for 1/2 sec. cor., which falls  
on # sliding, bluffy th. slope  
where natural conditions  
would insure its destruction.  
Set a quartz stone, 2 1/2 x 10 x 5 ins,  
18 ins. in the ground, for  
th. C. to

- Chs.  $\frac{1}{4}$  sec. cor., marked H C  $\frac{1}{4}$  on  $\frac{7}{8}$  th N. face. No trees by limits; raised a mound of stone, 2 ft. base, 2 ft. high, N. of cor.; pits impracticable.
- 36.25 Peak of the great Dry Canyon of Chap Valley, but, bluffs perpendicular, 100 ft. high, bear N. and S.
- 37.00 Foot of perpendicular bluffs, bear N. and S. Continues precipitous descent over bluffs, rim rocks, cliffs and slides.
- 39.90 The trip point for  $\frac{1}{4}$  sec. cor.
- 50.51 Chap Valley cut, 50 lbs. wide, in canyon, 100 ft. deep, course S. 5° W. Descend precipitous E. slope of spur.
- 67.75 Ridge spur, 500 ft. above canyon, slopes S. E. Descend into ravine.
- 76.75 Ravine, 150 ft. below spur, course S. E. Descend mountainous N. E. slope of mountain.
- 79.80 The cor. of secs. 19, 20, 29 and 30, 150 ft. above ravine. Land, mountainous. Soil, gravelly and stony; sand and 4th cut. Timber, pinon and cedar; undergrowth, small timber, cacti, mesquite and chaparral. Mountainous or lands covered with dense undergrowth, bluff and exceptionally difficult to survey 79.80 chs.

N. 89° 55' W. on a random line bet. secs. 19 and 30

Subdivision of S. 10 N., R. 11 E.

BOOK 2082

Chs.  
45.00  
79.04

Let temp. 1 sec. cor.  
Entered H. Dwy. of the S.P.  
9 lks. N. of the cr. of secs. 19, 24,  
23 and 20, established under  
this contract.

Thence Run

S. 89° 59' E. on a true line bet.  
secs. 19 and 20.

Ascend N. slope of mountain,  
through very scattering timber  
and dense undergrowth; and  
exceptionally difficult to  
survey.

5.00 Summit of mountain, 75 ft.  
above cor., bears N. and S.  
Descend into canyon.

59.04 Let a gravity stony, 18 x 12 x 4  
ins., 15 ins. in the ground,  
for 1 sec. cor., marked 1/4 on the  
N. face; no trees in limits;  
raised a mound of stony, 3 ft.  
base, 2 ft. high, N. of cor.; pits  
impracticable.

61.00 Thence descent.

79.04 The cor. of secs. 19, 20, 29 and 20,  
500 ft. below mountain.

Land, mountainous.

Soil, gravelly and stony; and  
and 4th cat.

Timber, pinion and cedar;  
Undergrowth, small timber,  
cactus, mesquite and laurel.

Mountainous or lands covered  
with dense undergrowth,  
and exceptionally difficult  
to survey 79.04 chs

N. 0° 03' N. bet. secs. 19 and 20.

Chs. descend into ravine, through  
 very scattering timber, and  
 dense undergrowth; rocky,  
 thin rocks and exceptionally  
 difficult to survey.

2.75 Ravine, 100 ft. deep, course S.E.  
 Precipitous ascent over  
 rugged S. slope.

35.00 Ditch spur, 400 ft. above ravine,  
 slopes S.E. 20°. Thence still  
 ascending along E. slope.

40.00 Set a granite stake, 18x10x4 ins.,  
 15 ins. in the ground, for  
 sec. cor., marked  $\perp$  on the N. face;  
 no trees in limits; raised  
 a mound of stones, 2 ft. base, 1 1/2  
 ft. high, N. of cor.; pits in-  
 reachably.

80.00 At a point, 500 ft. above  
 ravine, set a granite stake,  
 18x14x10 ins., 12 ins. in the  
 ground, for cor. of sec. 18,  
 19 and 20, marked with  
 3 notches on the S. and 5 notches  
 on the E. edges; from which  
 A pinion, 12 ins. dia, base  
 S. 21° 30' E., 21 lbs. dist, marked  
 T. 15 N. R. 11 E. S. 21 D. 1.

A pinion, 6 ins. dia, base  
 S. 40° 45' E., 20 lbs. dist, marked  
 T. 15 N. R. 11 E. S. 19 D. 1.

A pinion, 10 ins. dia, base  
 N. 10° 04' W., 29 lbs. dist, marked  
 T. 15 N. R. 11 E. S. 18 D. 1.

No other trees in limits; raised  
 a mound of stones, 2 ft. base,  
 2 ft. high, N. of cor.; pits in-  
 reachably.

Land, mountainous.  
 Soil, sandy and gravelly;  
 end and N. 1/4 th cat.

Subdivision of P. 10 N., D. 11 E.

BOOK 2082

Chs. Timber, very scattering pines and  
 cedars, underground, small  
 timber, cholla and cactus.  
 Mountainous islands covered  
 with dense undergrowth  
 stone and exceptionally  
 difficult to survey of  
 ss. rocks.  
 Forecast at noon. Presented  
 taking latitude.  
 April 14, 1908.

April 15: At 7<sup>h</sup> 18<sup>m</sup> a.m. l. mt.  
 Set off <sup>040</sup> 12' N. on the  
 lat. arc; 90<sup>h</sup> 45' N. on the lat. ded.  
 arc and determine meridians  
 with the stars of the circ. of  
 secs. 17, 18, 19 and 20.

Thence Run  
 T. 89° 34' E. on a random line bet.  
 secs. 17 and 20.

40.00 Lat temp. 1 sec. cor.  
 50.14 Entered N. and T. line, 21 lbs.  
 N. of the cor. of secs. 16, 17, 20 and  
 21.

Thence Run  
 N. 89° 45' E. on a true line bet.  
 secs. 17 and 20.

Ascend mountainous N. slope  
 over bluffs, through scattering  
 timber and dense under-  
 growth and exceptionally  
 difficult to survey.

19.16 The Valley Creek, via great  
 Dry Canyon, 800 ft. below  
 cor., course T. 10° E. <sup>20</sup> Ascend  
 over bluffs and cliffs.

26.00 Summit of ridge, 800 ft. above  
 creek, base N. and T. ascending  
 into deep draw.



Chs.  
40.07

Let granite stone, 24x14x8 ins.,  
pins in the ground, for  $\frac{1}{2}$  sec.  
cor., marked  $\frac{1}{7}$  on the N. face;  
from which,

An oak, 12 ins. dia., bears  
N. 89° E., 29 lbs. dist.,  
marked  $\frac{1}{7}$  V 17 @ P.

A pinion, 16 ins. dia., bears  
S. 19° 57' W., 108 lbs. dist.,  
marked  $\frac{1}{7}$  V 20 @ P.

4500 Canyon, 400 ft. deep, course  
of precipitous ascent over  
great bluffs of E. slope;  
almost impassable.

80.14 The cor. of secs. 17, 18, 19 and 20,  
1500 ft. about canyon.

Land, mountainous.

Soil, gravelly; sand and red clay.

Timber; pinion, cedar and  
sycamore; undergrowth, small  
timber, chaparral and mesquit.

Mountainous or lands covered  
with dense undergrowth,  
bluffs and precipitous;  
and exceptionally difficult  
to survey, 80.14 cts.

N. 89° 59' W. on a random line  
bet. secs. 18 and 19.

40.00 Let time  $\frac{1}{2}$  sec. cor.

98.86 Entered H. D. of the T. 18 N., 37 lbs.  
N. of the cor. of secs. 17, 18, 19 and  
20, established under this  
contract.

Thence I run

N. 89° 43' E. on a true line bet.  
secs. 18 and 19.

Over broken mountainous land

# Subdivision of S. 10 N. D. 11 E.

- Chs. through very scattering timber and dense undergrowth; and exceptionally difficult to survey.
- 38.00 Dry wash, 800 ft. below sec. Cor., T. 88° E. Hence down wash, for 2.00 chs.
- 38.86 The top point for  $\frac{1}{4}$  sec. cor., falls in channel, where natural conditions would insure its destruction.
- 40.47 At a point, 1.61 chs. E. of the top point for  $\frac{1}{4}$  sec. cor., set a granite  $\frac{1}{4}$  stone, 24x12x8 ins., 18 ins. in the ground, for th. C. to  $\frac{1}{4}$  sec. cor., marked th. C.  $\frac{1}{4}$  on the N. face; from which a juniper, 48 ins. dia, bears N. 00° 00' W. 64 lbs. dist., marked  $\frac{1}{4}$  W. C. V 18 D 9.
- A juniper, 50 ins. dia; bears T. 8° E. 70 lbs. dist., marked  $\frac{1}{4}$  W. C. V 19 D 9.
- 49.00 Hog back, 175 ft. above wash, slopes S. descend.
- 61.00 Canyon, 200 ft. below hog back, above S. descend over precipitous th. slope over great granite ledges and cliffs.
- 77.50 Summit of mountain, 1000 ft. above canyon, bears N. and S. descend & bluffly E. slope.
- 78.86 The cor. of secs. 17, 18, 19 and 20, 100 ft. below summit. Land, mountainous. Soil, gravelly and stony; red and 4th sat. Timber, pinon and cedar; undergrowth, small timber, chaparral, mesquite and manzanita. Mountainous or lands

Chs. covered with dense undergrowth, bluffs and precipitous, and exceptionally difficult to survey.  
78.86 chs.  
Forecast at noon prevented taking the latitude.  
April 15, 1908.

April 16 At 8<sup>h</sup> 00<sup>m</sup> a.m. l.m.t. set off 0° 40' 12" N. on the lat. arc; 10° 08' N. on the decl. arc; and determining a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

Thence I run N. 02° 08' E. bet. secs. 17 and 18. Ascend along mountainous E. slope over granite boulders, scattering timber, dense undergrowth and exceptionally difficult to survey.

18.00 Top of ascent, summit of ridge, 600 ft. above cor., bears N. and S. 16° E. Thence along rugged summit.

28.00 Leave summit and descend along almost impassible E. slope, bluffs, cliffs and slides.

33.00 Head of canyon, 150 ft. below summit, course E. Ascend.

40.00 The true point for  $\frac{1}{2}$  sec. cor. falls on precipitous E. slope, where slides would insure its destruction.

40.24 At a point, 222 chs N. of true cor. point, I set a gravity,

Subdivision of V. 18 N., R. 11 E.

- Chs  
 Stone, 15 x 18 x 6 ins. on bedrock  
 in mound of stone, <sup>marked 1/4 W. C. on west face of</sup> fresh C.  
 to 1 sec. cor. from which  
 #1 A cypress, 16 ins. dia., bears  
 N. 2-40 E., 88 lbs. dist.,  
 marked H. C. 1 V 17 D J.  
 A pinion, 4 ins. dia., bears  
 N. 27-30 W., 38 lbs. dist.,  
 marked H. C. 1 V 18 D J.
- 44.50 Low precipitous E. slope, top  
 of ascent, 100 ft. above trail,  
 bears N. 13 E., W. 3 th.; there is  
 a rugged mountain summit.
- 48.25 Top summit of mountain,  
 bears E. and S. 60 th., and  
 descends over great bluffs  
 almost perpendicular into  
 canyon.
- 51.00 Foot of perpendicular bluff,  
 200 ft. high, bears E. and th.  
 Continues precipitous descent  
 now through heavy timber,  
 bears E. and th.
- 8000 At a point, 1500 ft. below  
 mountain summit, I set  
 a granite stone, 18 x 12 x 8 ins.,  
 1/2 ins. into the ground, for cor.  
 of sec. 2, 8, 17 and 18, marked  
 with 4 notches on the V. and  
 5 notches on the E. edges,  
 from which  
 A cypress, 5 ins. dia., bears  
 N. 58-10 E., 101 lbs. dist.,  
 marked V 18 N D 11 E V  
 17 D J.  
 A cypress, 8 ins. dia., bears  
 N. 47-50 E., 31 lbs. dist.,  
 marked V 18 N D 11 E V  
 17 D J.  
 A cypress, 7 ins. dia., bears  
 N. 70-10 W., 28 lbs. dist.,

Chs.

marked T. 18N, R. 11E & V  
18 & 9.

BOOK 2082

A cypress, 8 ins. dia., bears  
N. 32° 04' 00" E, 25 lbs. dist.  
marked T. 18N, R. 11E  
& V.

Land, mountainous.  
Soil, gravelly and stony,  
and land #4 & 5 set.  
Timber, cypress, sycamore,  
fir and cedar; under-  
growth, small timber, laurel,  
chaparral and mesquite.  
Mountainous, heavily timbered,  
or lands covered with  
dense undergrowth and  
exceptionally difficult to  
survey, 8 p. 5 chs.

T. 89° 45' E. on a random line  
bet. sec. 8 and 17.

40.00 bet. temp. 1 sec. cor.

80.04 Entered N. and V. line, 30 lbs.  
S. of the cor. of sec. 7, 8, 17 and  
18.

Thence I run

N. 89° 59' th. on a true line bet.  
sec. 8 and 17.

Course rugged V. E. slope of  
mountain, over bluffs and  
boulders, scattering timber and  
dense undergrowth and ex-  
ceptionally difficult to  
survey.

No. 02  
~~20.00~~

bet. of parity stay, 18 x 12 x 6 ins.,  
12 ins. in the ground for  
1 sec. cor., marked 1/2 on the  
N. face; from which  
A pinion, 12 ins. dia., bears

82  
237  
BOOK 2082

Subdivision of T. 10 N., R. 11 E.

Chs. N. 7° 57' E., 62 lbs. dist. marked  
 1/4 V. 8 D D  
 Cu pinion, 4 ins. dia., brass.  
 T. 68° 28' E., 45 lbs. dist.  
 marked 1/4 V. 17 D D  
 Summit of mountain, 1000  
 ft. above cor., brass N. 15° E.,  
 T. 13° th. descend into ravine.  
 5975 Ravine, 500 ft. below spur,  
 course N. 30° th. descend  
 along rugged N. slope through  
 heavy timber.  
 88.04 The cor. of secs. 7, 8, 17 and 18,  
 150 ft. above ravine.  
 Land, mountainous.  
 Soil, gravelly and stony;  
 red sand & sh. sat.  
 Timber, pinion, cypress, cedar  
 and sycamore; underground,  
 small timber, laurel, chopassal  
 and manzanita.  
 Mountainous, heavily timbered,  
 or lands covered with dense  
 undergrowth, bluff and  
 is occasionally difficult  
 to survey, 88.04 Chs.

T. 89° 45' th. on a random line  
 bet. secs. 7 and 18.  
 40.00 Let temp. 1/4 sec. cor.  
 78.40 Intersect th. W. dy. of the N. 1/4,  
 4.4 lbs. T. of the cor. of secs.  
 7, 12, 10 and 18, established  
 under this contract.  
 Thence  
 T. 89° 56' E. on a true line  
 bet. secs. 7 and 18.  
 Ascend along mountainous  
 N. slope, through heavy  
 timber, dense undergrowth

- Chk. and exceptionally difficult to survey.
- 8.00 Top of promontory, 150 ft. high, slopes N. Descend.
- 11.00 Spring branch, 5 lbs. wide, in draw, 100 ft. deep, course N. Heavy heavy timber, bears N. and S., enter scattering timber, and ascend over great granite boulders.
- 20.75 Spring branch, 5 lbs. wide, in draw, 75 ft. deep, course N.
- 28.40 Set a granite stone, 28 x 18 x 8 ins., 11 ins. in the ground. At  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face. From which,  
 A pinion, 10 ins. dia., bears N. 0° 40' E., 64 lbs. dist., marked  $\frac{1}{4}$  A D S.  
 The pinion, 16 ins. dia., bears S. 58° E., 60 lbs. dist., marked  $\frac{1}{4}$  A D S.
- 43.00 Spur, 250 ft. high, slopes N.
- 58.18 Spring branch, 13 lbs. wide, in draw, 150 ft. deep, course N. ascend through heavy timber.
- 75.00 Spur, 150 ft. high, slopes N.
- 78.40 The cor. of secs. 7, 8, 17 and 18, 20 ft. below spur.  
 Land, mountainous.  
 Soil, gravelly and stony, red and buff saty.  
 Timber, cypress, sycamore, pinon, cedar and juniper; undergrowth, small timber, chaparral, mesquite and manzanita.  
 Mountainous, heavily timbered, swamps covered with dense undergrowth, granite boulders.

Subdivisions of T. 15 N., R. 11 E.

Chs. and exceptionally difficult to survey, 78. 79 chs.  
Rain prevented latitude observations and further work this day.

April 16, 1888.

April 17th. At 8<sup>h</sup> 15<sup>m</sup> a.m., l. m. f. set off on 13' N. on the lat. arc; 10<sup>h</sup> 30' N. on the dist. arc; and determining a meridian with the solar at the cor. of secs. 7, 8, 17 and 18.

Thence run N. 0° 00' th. bet. secs. 7 and 8. Second, mountainous N. slope through heavy timber and dense undergrowth, over granite boulders and cliffs and exceptionally difficult to survey.

15.50 Top of granite boulder, 20x50x100 ft. on line. Thence through scattering timber, bears C. and H.

40.00 Set a granite stone, 28x12x8 ins., 4 ins. in the ground. In  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the  $\frac{1}{4}$  th. face; from which,

A pin, 8 ins. dia., bears T. 40° 30' E., 56 lbs. dist., marked  $\frac{1}{4}$  V S D.

An oak, 6 ins. dia., bears T. 82° 55' th., 34 lbs. dist., marked  $\frac{1}{4}$  V S D.

40.15 Fence, bears C. and H.; foot of mountain, bears C. and H., 60 ft. below sec. cor. Thence over rolling bottom of Star



- Chs. Valley, scattering undergrowth, leaving cliffs and boulders.
- 42.00 Creek, 15 lbs. wide in banks, 25 ft. deep, course N. 80° E. Perfield, level land, no timber
- 50.00 On Stewart's house and barn, bears th., 10 chs. dist.
- 52.00 Low valley and field, bears E. and th. and around E. slope on boulders and rim rocks. Fence bears E. and th.
- 60.00 Pine, scattering timber and dense undergrowth, bears E. and th.
- 80.00 At a point, 500 ft. above bottom, set a gravity stone, 36 x 16 x 3 ins., 18 ins. in ground, struck rock and raised a mound of stone around, for ed. of sics. 5  
 17 and 18, marked with 5 notches on the V. and E. edges, from which
- An oak, 10 ins dia, bears N. 25° 18' E., 147 lbs. dist, marked T 10N R 11 E V 5  
 10 9.
- An oak, 12 ins. dia, bears T. 9° 30' E., 48 lbs. dist, marked T 10N R 11 E V 8  
 8 10 9.
- A cedar, 12 ins dia, bears T. 21° th., 59 lbs. dist, marked T 10N R 11 E V 7  
 10 9.
- A pine, 24 ins. dia, bears N. 55° 10' th., 100 lbs. dist, marked T 10N R 11 E V 6  
 10 9.
- Land; level, rolling and mountainous.

Subdivisions of S. 10 N., D. 11 E.

BOOK

Chs. Soil, rich loam, alluvial, gravelly and stony; 1st, 2nd and 4th rat. Timber: pinon, sycamore, cedar, and juniper; undergrowth, oak brush; chaparral, mesquite and manzanita. Mountainous, heavily timbered, or lands covered with dense undergrowth, bluffy and exceptionally difficult to survey, 67.75 chs

S. 10 N. E. on a random line bet. sec. 5 and 8.

4.00 Let temp. 1/2 sec. cor.  
79.82 I fall 2 chs. S. of the cor. of sec. 4, 5, 8 and 9.

Fence & run, then on a true line bet. sec 5 and 8.

Ascend, through scattering timber and undergrowth.

0.60 Top of A. N. Franklin's farm, bars N. and S.

2.70 Clay Valley Creek, 25 chs. wide, in banks, 15 ft. high, course S. 10° W. Leave timber and undergrowth and enter low grain field.

9.27 Leave field, bars N. and S. and ascend E. slope. Fence bars N. and S.

10.25 Hagon road, bars N. and S. Enter scattering timber and dense undergrowth.

20.00 Pety Naught's house bars S. 30 chs. dist.

27.00 Spur, 500 ft. high, slopes S. Descend.

Chs.  
39.91

Set a gravity stony, 6 x 16 x 3  
ins., 18 ins. in the ground,  
stuck rock, and sawed a  
mound of stony around for  
1 sec. cor., marked 1 with  
H. Jacq; from which,

A juniper, 14 ins. dia, bears  
N. 71° 42' E., 107 lbs. dist.,  
marked 1 V 5 D J.

A juniper, 12 ins. dia, bears  
N. 77° 05' E., 08 lbs. dist.,  
marked 1 V 8 D J.

49.00 Aask, 15 lbs. wide, in draw,  
100 ft. deep, course S. 15° E.

Ascend, 100 ft. to

79.00 The cor. of sec. 5, 6, 7 and 8.  
Land, level and mountainous.

Soil, rich sandy loam,  
gravelly and sandy; 1st  
and 2nd cor.

Timber, pinon, cedar, oak  
and juniper; undergrowth,  
small timber, cat-claw,  
manzanita and chofarral.

Mountainous, islands covered  
with dense undergrowth  
and very timothy difficult  
to survey, 69.00 lbs.

April 18. At this sec. cor. I  
set off 10° 00' N. on the ~~line~~  
arc, and at 12<sup>th</sup> M. l.m.t.,  
observed the sun on the meridian;  
the resulting lat. is 04° 14' N.  
Rain prevents further work  
this day.

April 17, 1908.

April 18. At 7<sup>th</sup> 00<sup>th</sup> a.m. l.  
m.t., I set off 04° 14' N. on

Subdivision of T. 15 N., R. 11 E.

- Chs thy lat. acc; 10° 51' N. on the  
Decl. arc; and determining a  
meridian with the solar at  
the cor. of secs. 5, 6, 7 and 8.  
Thence I run  
N. 89° 56' E. on a random line,  
bet. secs. 6 and 7.
- 40.00 Let temp.  $\frac{1}{4}$  sec. cor.
- 78.28 Entered ~~the~~ <sup>the</sup> ~~of~~ <sup>of</sup> the ~~of~~ <sup>of</sup> the  
40 lbs. N. of the cor. of secs. 1  
5, 6, and 8, established under  
this contract.  
Thence I run  
N. 89° 47' E. on a true line  
bet. secs. 6 and 7.  
Ascend over mountainous  
land, through scattering  
timber, dense undergrowth,  
granite boulders and excep-  
tionally difficult to survey.
- 4.00 draw 100 ft. below cor., ~~at~~  
N. E.
- 10.00 Spur, 200 ft. above draw, slopes N.  
Thence over numerous draws  
and spurs all with V. E. trend.
- 08.28 Let  $\frac{1}{4}$  sec. cor., the true point  
falls on a granite ledge, 34 x 46  
ft. above the ground. Let the  
exact point, I cut a cross  
for  $\frac{1}{4}$  sec. cor., and mark  $\frac{1}{4}$  on  
N. side of cross, 6 ins. dist., from  
which  
A pinion, 12 ins. dia., base  
N. 87° 05' E., 44 lbs. dist.,  
marked  $\frac{1}{4}$  V 6 & P.  
A cedar, 4 ins. dia., base  
V. 12° 25' E., 104 lbs. dist.,  
marked  $\frac{1}{4}$  V 7 & P.
- 47.61 Hagn road, 4 base N. and V. E.
- 47.90 Cut, 5 lbs. wide, in canyon,  
500 ft. below spur, course V.

Chs. Ascend. suggests H. slope.  
61.78 Perpendicular granite bluff,  
50 ft. high, base N. and V.  
Hill ascending.

66.20 Ridge, 50 ft. above creek, base  
N. and V. descend.

78.28 The cor. of secs 5, 6, 7 and 8, 150  
ft. below ridge.

Land, mountainous.  
Soil, gravelly, and stony; red  
and 4th cap.

Timber; pinon, cedar and oak;  
undergrowth, small timber,  
chaparral, cat-claw, cactus,  
manzanita and oak brush.

Mountainous or lands covered  
with dense undergrowth,  
granite boulders and excep-  
tionally difficult to survey.

78.28 Chs.  
Rain prevents further work  
until, April 19th.

April 18, 1908.

April 19: At 2<sup>50</sup> p.m. (L.M.F.)  
Set off 34° 14' N. on the lat.  
acc; 12° 48' W. on the decl. acc;  
and determine a meridian  
with the stars at the cor. of  
secs 5, 6, 7 and 8.

Thence True  
N. 5° 00' E. on a random line  
bet. secs. 5 and 6.

79.50 At temp. 1 sec. cor.

79.76 Entered 7 N. 0 deg. of the T.P.,  
2.1 lbs H. of the cor. of secs 5, 6,  
7 and 8, established under  
this contract.

Thence True

# Subdivision of P. 15 N., D. 11 E.

- Chs. L. 5° 06' H. on a true line bet. sec. 5 and 6.  
 descend over mountainous land, through scattering timber and dense undergrowth and exceptionally difficult to survey.
- 3.00 Over rolling barbe, 50 ft. below cor., base C. and H.
- 6.20 Payson-Step Valley wagon road, base C. and H.
- 6.75 Lower basin, base C. and H. and ascend.
- 21.93 Plus, 150 ft. above basin, slopes C. Over small draws and spurs with E. trend.
- 39.76 Set a granite stone, 6 x 16 x 18 ins., 18 ins. in the ground, struck rock and raised a mound of stones around for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the H. face; from which  
 A juniper, 20 ins. dia., base V. 55° 00' E., 41 lbs. dist., marked  $\frac{1}{4}$  V 5 D 9.  
 A juniper, 16 ins. dia., base N. 57° 02' H., 76 lbs. dist., marked  $\frac{1}{4}$  V 6 D 9.
- 42.00 Draw, 125 ft. deep, 4 course C.
- 51.50 Ridge, 150 ft. above draw, base C. and H. descend.
- 79.26 The cor. of sec. 5, 6, 7 and 8, 125 ft. below plus.  
 Land, rolling and mountainous. Soil, sandy, 1st and 2nd rat. Timber, Spruce, cedar and juniper; undergrowth, small oak bush, mesquite, cat-claw, chaparral and manzanita. Mountainous or lands covered with dense undergrowth and

91  
Subdivision of T. 15 N., R. 11 E. 246

Chs.

exceptionally difficult to  
survey, 2976 Chs.

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April 19, 1908.

Subdivision of T. 10 N., R. 11 E.

Chs.

Boundaries of T. 10 North, R. 11 E.

Latitudes, Departures, Closing Errors.

Dist. Bearing - Dist. - Latitudy. Departure.

L. Bdy. 9/4

Secs 3, 32, 33, 34 - West	319.51		319.51
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H. Bdy. 9/4 North	480.00	480.00	
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N. Bdy. 9/4

Sec 6 - N. 1/2	S 89° 33' E	38.74	0.08	38.74
" - E 1/2	N. 89° 33' E	39.90	0.00	39.90
Secs 5, 4, 3, 2, 1	N. 89° 33' E	400.00	0.05	400.00

E. Bdy. 9/4

Secs 11, 12, 13, 24	South	320.00		320.00
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W. bdy sec 24	West	80.00		80.00
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E. " " 26	S. 0° 01' E	80.00	80.00	0.02
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W. " " 26	West	80.00		80.00
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E. " " 34	S. 0° 01' E	80.00	80.00	0.02
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Convergence ----- 0.49 ✓

Totals -----

480.08	480.08	479.17	479.51
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<u>480.08</u>		<u>479.17</u>	
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Errors of Closure

0.00	0.04
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Chs.

BOOK 2082

## General description.

Township No. 10 North, Range No. 11 East, is in the main very rough and mountainous.

The great canyons of Star and Green Valley Creeks extend through the region from the north to the south. These canyons are deep, with steep precipitous walls and are in many places almost impassable. Other parts are cut up by gorges, deep ravines and hog backs.

The upper part of Star Valley in the N. W. corner of the township is, on the other hand, a fine country where there are just clear farms, belonging to A. N. Franklin, Pete Lazare, Ben Stuart and Pete Halght.

All of these settlers have much land under cultivation. They all have good modern farm improvements and are permanent residents.

On secs. 27, 28, 29 and 34 is a well known rocky Housley Pocket. This is all good arable land and is well watered by several large springs.

The rough slopes of this township are covered with a scattering growth of pinon, cedar, juniper and oak. There is much dense undergrowth, consisting of

## Subdivisions of P. 10 N., R. 11 E.

cactus, mesquite, laurel, chaparral, oak brush, cat claw and sage. All of the township is covered with a good growth of grass and is well adapted for grazing. There is an abundance of water, excepting the very dry years. Lab Valley Creek rarely goes dry and there are numerous smaller streams, spring branches and water-holes. The S. E. cor. is unsurvivable on account of the deep impassible gorges and the precipitous banks of Forto River. There is a school house N. 4th, 23 chs. dist., from the  $\frac{1}{4}$  sec. cor. on the line bet.  $\frac{1}{4}$  secs. 4 and 5. No indications of valuable minerals were found in the course of the survey. There are no Indian occupations. Ancient ruins of the Aztec Race are found in all parts of the township.

Charles L. Campbell  
U. S. Geol. Survey

BOOK 2082

Note - No one authorized to  
administer oaths other than  
myself being available  
without great delay  
inconvenience and expense,  
therefore, I administer the  
required preliminary and  
final oaths.

Charles L. Campbell

U. S. Dep. Surveyor.

For authority for red ink corrections  
see Deputy's letters of 7/20/08 and 11/22/08.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

BOOK 2082

LIST OF NAMES.

A list of the names of the individuals employed by Charles L. Campbell

....., 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 Tracts of

Tps. 10 and 11 N., R. 11 E.; Tracting T. 11 N., R. 12 E.

showing the respective capacities in which they acted:

Harley C. Stewart....., Chairman.

Roy T. Campbell....., Chairman.

....., Moundman.

....., Moundman.

Robert R. Holder....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Charles L. Campbell

....., United States Deputy Surveyor, in surveying all

those parts or portions of the Subdivisionals of Tps. 10

and 11 North, Range 11 East.

Tracting T. 11 North, R. 12 East

..... of the Gila

Salt River meridian, District 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

Harley C. Stewart....., Chairman.

Roy T. Campbell....., Chairman.

....., Moundman.

....., Moundman.

Robert R. Holder....., Axman.

....., Axman.

....., Flagman.

Subscribed and sworn to before me this 17th

day of May, 1908



Charles L. Campbell  
U.S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Charles L. Campbell, 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 10th day of April, 1904, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivisions of Townships Nos 10 and 11 North, Range No. 11 East, fractional Township No 11 North, Range No 11 East of the Gila and Salt River meridian, in the district 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.

Charles L. Campbell  
United States Deputy Surveyor.

Subscribed by said Charles Campbell, and sworn to before me }  
this 10th day of January, 1908

R. A. MacCarty  
COUNTY CLERK AND CLERK OF THE  
SUPERIOR COURT OF THE STATE OF  
WASHINGTON, FOR SPOKANE COUNTY



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

The foregoing field notes of the survey of the subdivided lines of T. 10 N. R. 11 E. S. and D. R. Block 11 Territory of Arizona Phoenix Ariz. Dec. 11-1908, 1908

executed by Chas L. Campbell  
under <sup>print</sup> his contract No. 116, dated April 18 1904, 1904, 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.