

Subdivisional
BOOK "E"

2583

FIELD NOTES

OF THE SURVEY OF THE

Subdivisional lines of Tm No. 25 Mer, Range

No. 19 East.

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Sidney C. Blach

, United States

Examiner of Surveys
~~Deputy Surveyor~~

Special Instructions from the Commissioner of the General Land Office
Under ~~his Contract No.~~ dated *Oct 2nd 1907* and *May 15th 1907*

Survey commenced *May 16th*

1910, 1908

Survey completed *June 1st*

1910, 1908

1A

BCCF 2558

NAMES AND DUTIES OF ASSISTANTS.

Van L. White Ambassador

Fred L. Warner Chairman

D. Y. White Chairman

Chas L. Humway Moundman

Bertram C. Brown Assman

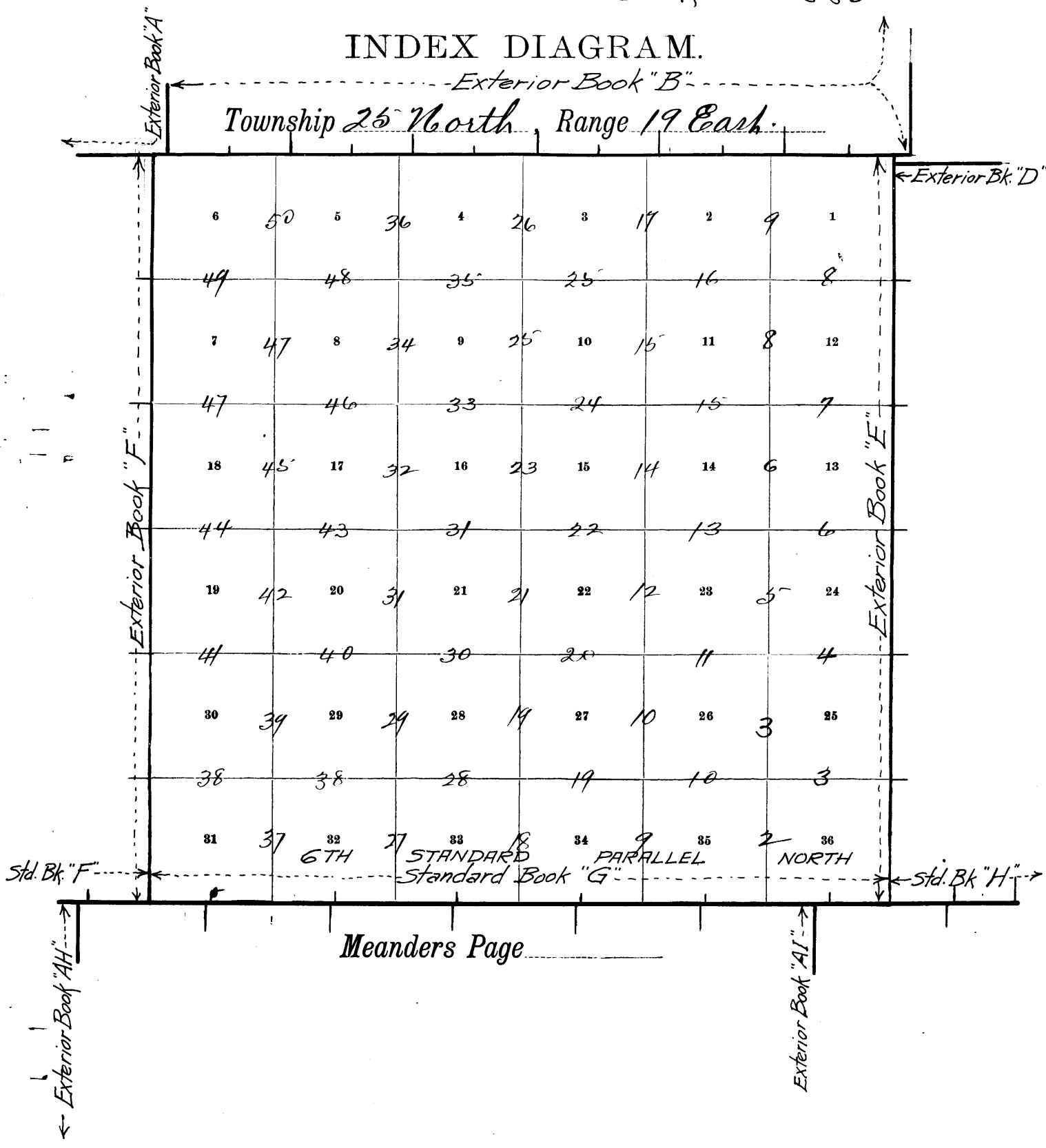
William R. Carson Plagman

BOOK 2533

Book No. 2583

INDEX DIAGRAM.

Township 25 North, Range 19 East.



PRELIMINARY OATHS OF ASSISTANTS.

We, Fred L. Warner and J. Y. White

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

the Subdivision lines of Twp. No. 25 N. Range No. 19 East.

Fred L. Warner, Chainman.

J. Y. White, Chainman.

Subscribed and sworn to before me this 15th

day of May 1910, 190



Sidney E. Blount
U.S. Examiner of Surveys

I, Chas. L. Shumway

do solemnly swear that ~~we~~ ^I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ ^{me}, to the best of ~~our~~ ^{my} skill and ability, in the survey of

the Subdivision lines of Twp. No. 25 N., Range No. 19 East.

Chas. L. Shumway Moundman.

Moundman.

Subscribed and sworn to before me this 15th

day of May 1910, 190



Sidney E. Blount
U.S. Examiner of Surveys

I, Bertram C. Brown

do solemnly swear that ~~we~~ ^I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ ^{me}, to the best of ~~our~~ ^{my} skill and ability, in the survey of

the Subdivision lines of Twp. 25 N. R. 19 East.

Bertram C. Brown, Axman.

Axman.

Subscribed and sworn to before me this 15th

day of May 1910, 190



Sidney E. Blount
U.S. Examiner of Surveys

I, William R. Carson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

the Subdivision lines of Twp. 25 N. R. 19 East.

William R. Carson, Flagman.

Subscribed and sworn to before me this 15th

day of May 1910, 190



Sidney E. Blount
U.S. Examiner of Surveys

Survey commenced May 16th 1910 and executed with a W and L. E. Gurley Engineers transit No. 76., provided with a Burt solar attachment. The horizontal limb is provided with one double vernier reading to single minutes of arc., The verniers of the latitude and declination arcs. read to 0'30" of arc.,

Examine the adjustments of the transit and correct the level and collimation errors., then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris I proceed as follows.

At my camp which is located near the cor. of Secs 14, 15, 22 and 23. T 25 N., R 19 E., Latitude 35° 33' N., Longitude 110° 19' 01' W., I set off 35° 33' N. on the lat. arc. 19° 5 1/2' N. on the decl. arc. and at 4:30^h 1. m. determine a meridian with the solar and mark a point thereof by a tack driven in a stake set firmly in the ground 5.00 chs. N. of my instrument.

At 7^h 02^m p.m. I set by my watch which is correct local mean time I observe Polaris in accordance with instructions in the manual and mark the direction thus determined by a tack driven in a stake set in the ground 5.00 chs. N. of my instrument.

Astronomical time of Observation 1910 May 16 th		7 ^h 02 ^m
Equivalent to time May 15 th		31 02.
Astronomical time of U.C. Polaris May 1 st	22 48	
Reduction to May 15 th Subtract	<u>55</u>	
Astron. time U.C. Polaris May 15 th	21 53.	Subtract 21 53
Hour angle at obs. and time arguments for table VII		9 09
Argument of Polaris at Obs. table VII		0° 59 3/8' W.

May 16th 1910.

May 17th 1910. At 6^h 30^m a.m. I lay off the azimuth of Polaris, 0° 59 3/8' to the east and mark the meridian thus determined by a tack driven in the stake set last evening on which the meridian falls. 4 ins. E. of the point determined by the solar.

At 7^h 00^m a.m. I set off 35° 33' N. on the lat. arc 19° 4' N. on the decl. arc and determine a meridian with the solar and mark a point thereof by a tack driven in the stake

BOOK 2583

already set 5.00 Chs. No. of my instruments. This point falls 5 in. east of the meridian established by the Paris Observations. The solar apparatus by p.m. and a.m. observations defined positions for meridians respectively about 2.1" West and 0' 26" east of the meridian determined by the Paris observations therefore I conclude that the instrument is in satisfactory adjustment.

I begin at the Standard Cor. of Secs. 35 and 36. T25 N. R19 E. ^{on 6th Standard Parallel North} which I ^{and described in Standard Book "G"} re-established May 16th 1910. Latitude $35^{\circ} 30' 35''$ N. Longitude $110^{\circ} 17' 13''$ W.

At 8^h 00^m a.m. I set off $35^{\circ} 30\frac{1}{2}'$ N. on the lat. arc. $19^{\circ} 14'$ N. on the decl. arc and determined a meridian with the solar alt. this cor. Thence I run

N $0^{\circ} 01'$ W. Ch. sec. 35 and 36.

Descend N.W. slope over stony hilly land through scattering cedar and juniper timber and bunch grass.

- 2.50 Dry sand wash 70 lbs. wide course N.E. ascend S.E. slope
10.10 Top of ridge bears N.E. and S.W. desc. N.W. slope
12.55 Road from Winslow Arizona to Kaas Canyon Ariz bears N.E. and S.W.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 35 on W. half and S 36 on E. half, from which.

A cedar 8 ins. in diam. bears N $31\frac{1}{4}^{\circ}$ E 79 lbs. dist. marked $\frac{1}{4}$ S 36 B.T.

A cedar 12 ins. in diam. bears S $17\frac{1}{2}^{\circ}$ W 6 lbs. dist. marked $\frac{1}{4}$ S 35 B.T.

43.10 Dry sand wash 40 lbs. wide 5 ft. deep course N.E. asc. S.E. slope

47.10 Top of stony ridge bears N.W. and S.E. desc. steeply.

49.40 Dry ravine 10 ft. below top of ridge. Course E. asc.

71.80 Top of stony ridge bears E and W. desc. steeply.

73.85 Dry ravine 25 ft. below top of ridge Course E. asc.

79.10 Top of ridge bears N.E. and S.W. desc. steep N.W. slope

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 25, 26, 35 and 36. marked on brass cap T25 N. S 26 in N.W., R19 E S 25 in N.E. S 36 in S.E. and S 35 in S.W. quadrant from which.

A cedar 8 ins. in diam. bears N $30\frac{1}{2}^{\circ}$ E 181 lbs. dist. marked T25 N. R19 E S 25 B.T.

A cedar 8 ins. in diam. bears S $78\frac{1}{2}^{\circ}$ E 300 lbs. dist. marked T25 N. R19 E. S 36 B.T.

A cedar 4 ins. in diam bears $328^{\circ}W$ 57 lbs. dist. marked T 25 N. R 19 E. S 35 B.T.
 A cedar 6 ins. in diam. bears $N 28\frac{1}{4}^{\circ}W$ 26 lbs. dist. marked T 25 N. R 19 E S 26 B.T.
 Land hilly and broken.
 Soil sandy and stony 3rd and 4th rate.
 Timber juniper and cedar.

40.00 S $89^{\circ}46'E$ on a random line bet. sec. 25 and 36
 Sth temp. $\frac{1}{4}$ sec. cor.
 80.18 Intersect E. bdy. of No. 12 lbs. S. of the cor. of sec. 25, 30, 31 and 36. ^{recently established by me & described in Exterior Book "E"} Three $\frac{1}{4}$ mile
 N $89^{\circ}51'W$. on a true line bet. sec. 25 and 36.
 Descend N.W. slope over stony hilly land through scattering cedar and juniper timber and bunch grass.
 13.45 Dry sand wash 20 lbs. wide course north are steeply.
 32.00 Top of steep ascent. are gradually.
 37.00 Top of stony ridge bears N and S. desc.
 40.09 Sth an iron peck. 3/4 lb. long. 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on bears top $\frac{1}{4}S 25$ on N. half and S 36 on S. half. from which.
 A cedar 7 ins. in diam bears $N 69^{\circ}E$. 19 lbs. dist marked $\frac{1}{4}S 25$ B.T.
 A cedar 6 ins. in diam. bears $S 57\frac{1}{4}^{\circ}W$ 59 lbs. dist. marked $\frac{1}{4}S 36$ B.T.
 46.60 Mouth of descent in dry sand wash 30 lbs wide course N.E. are. S.E. slope.
 48.75 Road from Winslow Arizona to Kaas Canyon Ariz bears $N 20^{\circ}E$ and $S 20W$.
 74.50 Top of stony ridge bears N.E. and S.W. desc. N.W. slope
 80.18 The cor. of sec. 25, 26, 35 and 36, hereinbefore described.
 Land broken and hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber cedar and juniper.

N $0^{\circ}1'W$. bet. sec. 25 and 26.
 Descend steep rocky N.W. slope over broken hilly land through scattering cedar and juniper timber
 20.00 Mouth of steep descent. low hilly land and timber

BOOK 2583

- bears N.E. and S.W., Enter rolling sandy land
bears N.E. and S.W. descend gradually.
- 40.00 See an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 26
on W. half and S 25 on E. half., from which.
A cedar 12 ins. in diam bears N 80° E 64 lks. dist marked $\frac{1}{4}$ S 25 B.T.
A cedar 16 ins. in diam bears N 55 $\frac{1}{2}$ ° W 109 lks. dist marked $\frac{1}{4}$ S 26 B.T.
Dig pits 18x18x12 ins. N and S. of post. 3 ft. dia. and
raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W.
of cor.
- 80.00 See an iron 3 ft. long. 2 ins. in diam 24 ins. in the
ground for cor. of sec. 23, 24, 25 and 26 marked on
brass cap T 25 N S 23 in N.W., N 19 E S 24 in N.E. S 25
in S.E. and S 26 in S.W. quadrants, from which.
A cedar 18 ins. in diam. bears N. 3° W 173 lks. dist.
marked T 25 N. R 19 E S 23 B.T. No other trees available
Dig pits 24x18x12 ins in each sec. 5 $\frac{1}{2}$ ft. dia.
N.E., S.E. and S.W. of post. and raise a mound of
earth 4 ft. base 2 ft. high W. of cor.

Land level hilly and broken.

Soil sandy and stony 3rd and 4th rate.
Timber pine or pine juniper and Cedar.

NOTE

At this cor I set off 19° 16' N. on the decl. arc and
at noon observed the sun on the meridian and obtain
on the lat. arc a reading of 35° 32' N.

- S 89° 51' E on a random line bet. sec. 24 and 25 -
40.00 See top $\frac{1}{4}$ sec. cor.
- 80.18 Intersect E. bdy of Twp 5 lks S. of the cor. of sec
19, 24, 25 and 30. ^{Recently estab. by me & described in Exterior Book "E"}
Thence S 89° 53' W. on a true line bet. sec. 24 and 25 -
Descend steep stony N.W. slope over hilly broken land
through scattering cedar and juniper timber
- 20.00 Dry. ravine course N.W. ascend abrupt N.E. slope
of ridge
- 24, 25 Top of ridge bears N and S. desc. steeply
- 34.00 Post of steep descent desc. gradually.
- 35.55 Road from Winslow Arizona to Bears Canyon

Subdivision of Twp 25 N. R. 19 E

Chain

- Arizona bears N and S.
- 40.09 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 24 on N. half and S 25 on S. half. From which a cedar 8 ins. in diam. bears N $36\frac{1}{2}^{\circ}$ W 146 lbs. dist. marked $\frac{1}{4}$ S 24 B.T.
- A cedar 7 ins. in diam. bears S 68° W 137 lbs. dist. marked $\frac{1}{4}$ S 25 B.T.
- 41.50 Level timber bears N and S.
- 52.15 Dry sand wash 50 lbs. wide course North. ascend gradually over E. slope
- 80.18 The cor. of secs. 23, 24, 25 and 26, hereinbefore described. Land rolling and hilly. Soil sandy and stony 3rd and 4th rate. Timber Cedar and Juniper

No 01' W. bet. secs. 23 and 24

Descend gradually N.E. slope over rolling sandy land through scattering cedar and juniper timber and bunch grass

- 8.40 Dry ravine 20 lbs. wide 1 ft. deep course N.E.
- 26.80 Dry sand wash 50 lbs. wide 2 ft. deep. Course N.W. ascend gradually.
- 40.00 Set an iron post 3 ft. long 1 in. in diam 26 ins in the ground for $\frac{1}{4}$ sec cor. marked on brass cap $\frac{1}{4}$ S 23 on W. half and S 24 on E. half. Dig pits 18x18x12 ins. N and S. of post 3 ft. dist and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 47.10 Top of sand ridge bears N.W. and S.E. desc. gently Level timber bears E and W
- 57.80 Road bears N.E. and S.W. leads to Horton Neg's house
- 80.00 Set an iron post 3 ft. long 2 ins. in diam 24 ins in the ground for cor. of secs. 13, 14, 23 and 24 marked on brass cap T 25 N. S 14 in N.W., R 19 E S 13 in N.E. S 24 in S.E. and S 23 in S.W. quadr. ant. Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor. Land rolling. Soil sandy 3rd rate. Timber Cedar and Juniper

May 17th 1910

BOOK 2583

- May 18th 1910 Ah 7^h 30^m a.m. ^{1 m. f.} set off. 35° 33' N.
 out the lat. arc. 19° 27½' N. on the decl. arc and determine
 a meridian with the solar at the cor. of sec. 13, 14,
 23 and 24 ^{hereinbefore described} hence true
 S 89° 53' E on a random line bet. sec. 13 and 24.
- 40.00 Set temp ¼ sec. cor.
- 80.04 Intersect E. side of N₆. 10 lbs. N. of the cor. of sec.
 13, 18, 19 and 24 ^{recently estab. by line & described in Exterior Book "E"} hence true
 N 89° 49' W. on a true line bet. sec. 13 and 24
 Descend N.W. slope over rolling sandy land through
 scattering sage and greasewood bush undergrowth and
 bunch grass.
- 14.15 Road from Winslow Arizona to Stearns Canyon
 Arizona bears N.E. and S.W.
- 40.02 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
 in the ground for ¼ sec. cor. marked on brass cap
 145 on N. half and S 24 on S. half.
 Dig pits 18 x 18 x 2 ins. E and W. of post. 3 ft. deep and
 raise a mound of earth 3½ ft. base, 1½ ft. high N.
 of cor.
- 42.00 Road bears N.E. and S.W. leads to Horsten Neff's
 house.
- 53.75 Top of low sand ridge bears N. and S. desc W
 slope
- 80.04 The cor. of sec. 13, 14, 23 and 24, hereinbefore described.
 Sand rolling and hilly
 Soil sandy 3rd rate.
 No timber
-
- N 0° 01' W. bet. sec. 13 and 14
 Descend gradually over rolling N.W. slope through
 scattering sage and greasewood bush undergrowth
 and bunch grass
- 27.45 Dry sand wash 20 lbs. wide 2 ft. deep course N.W.
- 33.10 Road to Horsten Neff's house bears E and W.
- 40.00 The point for the ¼ sec. cor. falls in the bed
 of a dry sand wash. Course N.E. where natural
 causes would insure the destruction of the
 cor. therefore at
- 41.50 Set an iron post. 3 ft. long 1 in. in diam. 26 ins.
 in the ground for witness cor. to the ¼ sec. cor.

Subdivision of T₂₅N. R₁₉E. S₁₄.

7

Chain

marked on brass cap T₂₅N. R₁₉E S₁₄. on W. half S₁₃ on E. half and W.C. $\frac{1}{4}$ in S. half.
Dig pits 18x18x12 ins N and S. of post 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

5610 The same sand wash 100 lbs. wide 5 ft. deep course N.W.

64.55 The same sand wash course N.E.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 11, 12, 13 and 14 marked on brass cap T₂₅N. S₁₁ in N.W. R₁₉E S₁₂ in N.E. S₁₃ in S.E. and S₁₄ in S.W. quadrants. Dig pits 18x18x12 ins in each sec. 6 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land rolling.
Soil sandy 3rd rate.
No timber

S₈₉°49'E on a random line bet. sec. 12 and 13

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

80.06 Intersect E. l. by. of T₂₅ on the cor. of sec. 7, 12, 13 and 18, ^{recently estab. by info. described in Exterior Book "E"} ~~herein~~

N₈₉°49'W. on a true line bet. sec. 12 and 13.

Over rolling sandy land through scattering sage and greasewood brush undergrowth and bilberry grass around E. slope of sand ridge

33.00 Top of ridge bears N and S. desc. W. slope

40.03 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap S₁₂ on N. half and S₁₃ on S. half.

Dig pits 18x18x12 ins E and W. of post. 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

6520 Dry sand wash. 100 lbs. wide 5 ft. deep course North ascend gradually over E. slope.

80.06 The cor. of sec. 11, 12, 13 and 14, hereinbefore described.

Land rolling and hilly.
Soil sandy 3rd rate.
No timber

BOOK 2588

N^o 01' W. T^h. sec. 11 and 12.

Descent gradually N.E. slope over rolling sandy land through scattering sage and greasewood brush and bunch grass

40.00 Set an iron post 3 ft. long 1 in. in diam, 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass Cop $\frac{1}{4}$ S 11 on W. half and S 12. on E half.Dig pits 18x18x12 ins N and S. of post 3 ft. dia and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.NOTE On this cor. Set off 19° 29 $\frac{1}{2}$ ' N. on the decl arc and at noon observe the sun on the meridian and obtain on the lab. arc a reading of 35° 34 $\frac{1}{2}$ ' N.

80.00 Set an iron post 3 ft. long, 2 ins. in diam 24 ins in the ground for cor. of sec. 1, 2, 11 and 12, marked on brass Cop 4 25 N. S 2 in N.W. T 19 E S 1 in N.E. S 12 in S.E. and S 11 in S.W. quadrants.

Dig pits 18x18x12 ins. in each. sec. 5 $\frac{1}{2}$ ft. dia and raise a mound of earth 4 ft. base. 2 ft. high. W. of cor.Land rolling
Soil sandy ^{red} soil.
No timberS 89° 49' E on a random line T^h. sec. 1 and 12.40.00 Set temp. $\frac{1}{4}$ sec. cor.80.06 Intersect E line of Twp 3 lvs. S. of cor. of sec. 1, 6, 7 and 12 ^{recently estab. by me & described in Exterior Book "E"} _{12 "Newel & Ran"}N 89° 50' W, on a true line T^h. sec. 1 and 12.

Over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass.

28.06 Dry sand wash 50 lbs. wide. 8 ft. deep course, North ascend gradually over N.E. slope.

40.03 Set an iron post 3 ft. long 1 in. in diam, 26 ins in the ground for $\frac{1}{4}$ sec. cor. marked on brass Cop $\frac{1}{4}$ S 1 on N. half and S 12 on S. half.Dig pits 18x18x12 ins. E and W. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. N. of cor.

80.06 The cor. of sec. 1, 2, 11 and 12; hereinbefore described.

Land rolling.

Chain

9

Soil sandy 3rd rate.
No timber

N 0° 01' W. Secs. 1 and 2.

Descend N.E. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass

40.00 Set an iron post 3 ft. long, 1 in. in diam 26 ins in the ground for 1/4 sec. cor. marked on brass Cap. 1/4 S 2. on W. half and S 1 on E. half.

Dig pits 18x18x12 ins, N and S. of post. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W of cor.

8380 Intersect N. line of Twp. 11. 77 E. W of the cor. of Secs. 1, 2, 35 and 36. ^{recently established by me & described in Exterior Book "B"} Set an iron post 3 ft. long, 2 in. in diam., 24 ins. in the ground for closing cor. of Secs. 1 and 2, mk'd on brass Cap. C.C.T 26 N., R 19 E. S 35

S 36 in N. half. S 1 in S.E. and S 2 in S.W. quadrants. Dig pits 24x18x12 ins. crosswise on each line, E and W. 3 ft. and S. of post. 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. S. of cor.

I change the cor. of Secs. 1, 2, 35 and 36, from a cor. common to 4 sec. to a cor. common to 2 sec. for the Twp. on the North.

Land rolling.
Soil sandy 3rd rate.
No timber.

May 18th 1910.

May 19th 1910. At 7^h 00^m a.m. ^{l.m.t.} set off 35° 30' 1/2' N. on the lat. arc, 19° 41' N. on the decl. arc and determine a meridian with the solar at the Stand. Cor. of Secs. 34 and 35 on S. boundary of Twp. ^{recently established by me & described in Standard Book "G"} Thence run

N 0° 01' W. Secs. 34 and 35.

Descend N.E. slope over stony mountainous land through scattering cedar and juniper timber and brush.

- 1.30 Dry ravine 10 lvs. wide course N 40° E. asc.
- 8.05 Top of rocky spur bears E and W. desc.
- 26.05 Dry sand wash 25 lvs. wide, 2 ft. deep course N.E. asc.
- 28.00 Top of stony spur bears N.E. and S.W. desc. steeply.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass Cap. 1/4 S 34 on W. half and S 35 on E half, from which
A cedar 6 in diam. bears N 63 1/2° E. 42 lvs. dist. mk'd 1/4 S 35. B.T.

BOOK 2588

- 41.05 A Cedar 8 ins. in diam. bears S 35° W, 34 lbs. dist, mk'd $\frac{1}{4}$ S 34 B.T.
 Dry sand wash 50 lbs. wide, 1 ft. deep course N.E.
- 63.55 Old wood road bears N.W. and S.E.
- 70.05 Enter dry sand wash 50 lbs. wide 3 ft. deep course N.W.
- 75.00 Leave dry sand wash course N.E.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 26, 27, 34, and 35 marked on brass cap T₂₅N., S₂₇ in N.W., R₁₉E., S₂₆ in N.E., S₃₅ in S.E. and S₃₄ in S.W. quadrants, from which.
- A Cedar 24 ins. in diam. bears N 41° E 155 lbs. dist mk'd T₂₅N., R₁₉E., S₂₆ B.T.
- A Cedar 12 ins. in diam. bears S 44 $\frac{1}{2}$ ° E 107 lbs. dist, mk'd T₂₅N., R₁₉E., S₃₅ B.T., No other trees available.
 Dig pits 24 x 24 x 12 ins. in each sec. N.W. and S.W. of post 5 $\frac{1}{2}$ ft. dist, and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
- Land mountainous.
 Soil sandy and stony 3rd and 4th rate
 Timber Juniper and Cedar
 Mountainous land 80,00 chs.
-
- 4000 Set temp. $\frac{1}{4}$ sec. cor.
- 80.14 Intersect N and S. line, 3 lbs. N of the cor. of secs 25, 26, 35 and 36, ^{hereinbefore described} Thence run
 N 89° 45' W. on a true line bet. secs. 26 and 35.
 Descend rocky N.W. slope over mountainous land through scattering cedar and juniper timber and sage brush.
- 22.05 Dry ravine 20 lbs. wide course N.E., asc. steep S.E. slope.
- 40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S₂₆ on N. half, and S₃₅ on S. half. ^{on brass cap}
- A Cedar 20 ins. in dia. bears N 3 $\frac{1}{2}$ ° W 122 lbs. dist, mk'd $\frac{1}{4}$ S₂₆ B.T.
 A Cedar 6 ins. in dia. bears S 49 $\frac{1}{2}$ ° E, 109 lbs. dist, mk'd $\frac{1}{4}$ S₃₅ B.T.
- 49.00 Top of stony spur bears N and S. desc. W. slope
- 79.60 Dry sand wash 100 lbs. wide course N.W. asc.
- 80.14 The cor. of secs. 26, 27, 34 and 35, hereinbefore described.
 Land mountainous.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar and Juniper.
 Mountainous land 80,14 chs.
-
- N 0° 01' W. bet. secs. 26 and 27
 Descend N.E. slope over stony mountainous land through

Behrens

Scattering cedar and juniper timber and bunch grass

5.00 Dry sand wash 50 lbs. wide 3 ft. deep. Course N.W. around S.W. slope

18.30 Top of spur bears E and W. desc. N. slope

20.00 Dry ravine 10 lbs. wide course N.W. asc. S.W. slope

27.30 Top of spur bears N.W. and S.E. desc

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked out bears Cap $\frac{1}{4}$ S 27 on W. half, and S 26 on E. half., from which
A cedar 8 ins. in diam. bears N 57 $\frac{1}{2}$ ° E 108 lbs. dist, marked $\frac{1}{4}$ S 26 B.T.

A cedar 6 ins. in diam. bears S 19 $\frac{1}{2}$ ° W. 59 lbs. dist. marked $\frac{1}{4}$ S 27 B.T.

70.00 Dry sand wash 50 lbs. wide course N.E. asc.

77.00 Old road bears N.E. and S.W. leads to Horsten Neg's house

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 22, 23, 26 and 27. marked out bears Cap T 25 N. S 22 in N.W. R 19 E S 23 in N.E. S 26 in S.E. and S 27 in S.W. quadrants. from which.

A cedar 10 ins. in diam. bears N. 71° E 306 lbs. dist. marked T 25 N. R 19 E. S 23 B.T.

A cedar 8 ins. in diam. bears S 60 $\frac{1}{2}$ ° E 164 lbs. dist. marked T 25 N. R 19 E S 26 B.T.

A cedar 12 ins. in diam. bears N 69 $\frac{1}{2}$ ° W. 308 lbs. dist. marked T 25 N R 19 E S 22 B.T. No other trees available.

Dig pit 36 x 36 x 12 ins in sec. 27. 7 ft. dist and raised a mound of earth 4 ft. base, 2 ft. high. W. of cor. Land mountainous,

Soil sandy and stony 3rd and 4th rate.

Timber scattering juniper and cedar
Mountainous land 80,000 chs.

NOTE At this cor. I set off 19° 42 $\frac{1}{2}$ ' N. on the decl. arc, and at noon observed the sun on the meridian and obtained on the lab. arc a reading of 36° 32' N.

S 89° 45' E on a random line bet. sec. 23 and 26.

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

79.98 Intersect N and S. line 3 lbs. S. of the cor. of sec. 23, 24
25 and 26 ^{hereinbefore described} thence run

N 89° 46' W. on a true line bet. sec. 23 and 26

BOOK 2583

- Ascend S.E. slope over hilly, sandy and stony land through scattering cedar timber and bunch grass.
- 3.05' Top of ridge bears N.E. and S.W. desc.
- 8.00 Dry sand wash 40 lks. wide 2 ft deep course N.E. asc
- 19.00 Top of ridge bears N. and S. desc.
- 39.99 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 23 or N. half and S 26 or S. half. from which.
- A cedar 8 ins. in diam. bears N 49 $\frac{1}{2}$ ° W 94 lks. dist. marked $\frac{1}{4}$ S 23 B.T.
- A cedar 15 ins. in diam. bears S 3° W 115 lks. dist. marked $\frac{1}{4}$ S 26 B.T.
- 45.00 Dry sand wash 25 lks. wide 1 ft. deep course N. asc.
- 66.00 Top of ridge bears N.E. and S.W. desc.
- 74.00 Dry sand wash 300 lks wide course N.E. asc.
- 79.45 Road bears N.E. and S.W. leads from Horsten Neg's house to Omar Spring.
- 79.98 The cor. of secs. 22, 23, 26 and 27, hereinbefore described.
Land hilly.
Soil sandy 3rd rate.
Timber Cedar and juniper.
-
- No° 01' W. bet. secs. 22 and 23
- Ascend S.E. slope over stony mountainous land. through scattering pinon pine juniper and cedar timber
- 9.00 A point from which a Spring. bears West 1400 chs. dist.
- 10.00 A point from which a stone house belonging to Jack. Neg bears West. 4.00 chs. dist.
- 36.00 Top of spur bears East W. desc.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 22 or W. half and S 23 or E. half. from which.
- A cedar 5 ins. in diam. bears N 83 $\frac{1}{2}$ ° E 95 lks. dist. marked $\frac{1}{4}$ S 23 B.T.
- A cedar 8 ins. in diam. bears N 61° W 146 lks. dist. marked $\frac{1}{4}$ S 22 B.T.
- 43.30 Dry ravine 10 lks wide 5 ft. below cor. course E. asc.
- 53.00 Top of stony spur bears East W. desc.
- 58.25 Dry ravine 20 ft. below top of spur course East, asc.
- 70.00 Top of spur bears East W. desc.
- 74.85 Dry ravine course E. asc.

Chains

13

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the ground for cor. of sec. 14, 15, 22 and 23. marked on brass cap T 25 N. S 15 in N.W. T 19 E S 14 in N.E. S 23 in S.E. and S 22 in S.W. quadrant. from which:
 A Cedar 8 in. in diam. bears N 20 1/2° E 152 lbs. dist. marked T 25 N. T 19 E. S 14 B.T.
 A Cedar 12 in. in diam. bears S 23 1/2° E 42 lbs. dist. marked T 25 N. T 19 E S 23 B.T.
 A Cedar 10 in. in diam. bears S 47 3/4° W 57 lbs. dist. marked T 25 N. T 19 E S 22 B.T.
 A Cedar 9 in. in diam. bears N 52 1/2° W 49 lbs. dist. marked T 25 N. T 19 E S 15 B.T.
 Land mountainous.
 Soil sandy and stony 3rd and 4th rate.
 Timber pinon pine Juniper and cedar.
 Mountainous land 80.00 Chs.

May 19th 1910

May 21st 1910 Ch. 7^h 00^m a.m. ^{l.m.t.} Set off 35° 33' N on the lat. arc 20° 06' N on the decl. arc. and determined a meridian with the solar at the cor. of sec. 14, 15, 22 and 23 ^{above described} Thence S run S 89° 46' E on a random line bet. sec. 14 and 23.

40.00 Set temp 1/4 sec. cor.
 79.94 Intersect N and S. line at the cor. of sec. 13, 14, 23 and 24 ^{hereinbefore described} Thence S run N 89° 46' W. on a true line bet. sec. 14 and 23.
 Over rolling sandy. through scattering sage and grass wood brush undergrowth and bunch grass

19.22 Dry sand wash 75 lbs. wide 3 ft. deep. course N.W. ascend N.E. slope

39.97 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 14 on N. half and S 23. on S. half
 Dig pits 18x18x12 in. E and W. of post 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. N. of cor.

60.50 Old road from Horstew Nez's house to Omar Spring bears N. and S.

73.00 Enter scattering cedar and juniper timber bears N. and S.

75.00 Leave rolling land bears N. and S. Enter stony mountainous land bears N. and S. ascend steep stony E. slope

BOOK 2583

79.94 The cor. of sec. 14, 15, 22 and 23, hereinbefore described.
Land rolling and mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber Juniper and Cedar.
Mountainous land 4.94 Chw.

N⁰°01'W. to sec. 14 and 15-

Ascend S.E. slope of spur over stony mountainous
land through scattering cedar and juniper timber
and sagebrush undergrowth

- 1.00 Top of spur bears E and W. desc.
- 7.70 Dry ravine 20 ft. deep. Course N.E. asc.
- 20.00 Top of rocky spur 20 ft. above ravine bears E and W
extends E of line 2.00 Chw. dist. desc. over N.E. slope.
- 38.00 Dry ravine 15 lbs wide 2 ft. deep Course East. asc.
- 40.00 Beh an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked on bears cap $\frac{1}{4}$ S15 on
W. half. and S14 on E half, from which.
A cedar 20 ins in diam bears S 81° E 185 lbs. dist. marked
 $\frac{1}{4}$ S14 B.T.
A cedar 6 ins. in diam. bears N 35 $\frac{1}{2}$ ° W 148 lbs. dist. marked
 $\frac{1}{4}$ S15 B.T.
- 43.00 Top of spur bears E and W. desc N. slope
- 43.05 W point from which a deserted hogan bears East. 3.50
Chw. dist.
- 45.00 Road to Placea Arizona bears E and W.
- 53.85 Dry ravine 10 lbs. wide Course E. asc
- 66.80 Top of spur bears N.W. and S.E. desc. N.E. slope
- 69.50 Dry ravine 5 lbs. wide Course S 70° E. asc.
- 71.00 Bear timber bears E and W.
- 75.50 Top of stony spur bears N.W. and S.E. 20 ft above ravine
desc.
- 77.00 Dry ravine 20 ft. below top of spur Course S.E. asc.
- 80.00 Beh an iron post 3 ft. long 2 ins. in diam. 24 ins. in
the ground, for cor. of sec. 10, 11, 14 and 15; marked
on bears cap T 25 N. S10 in N.W. R 19 E S 11 in N.E. S 14
in S.E. and S15 in S.W. quadrants.
Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. W. of cor.
Pits impracticable
Land mountainous.
Soil sandy and stony 3rd and 4th rate.

Quicker juniper and cedar.
Mountainous land 80.00 Chs.

40.00 S89°46'E. on a random line bet. sec. 11 and 14
Set half 1/4 sec. cor.

79.98 Intersect N. and S. line 12 lks. S. of the cor. of sec.
hereinbefore described
11, 12, 13 and 14. Hence draw

N89°51'W. on a true line bet. sec. 11 and 14

Ascend E. slope over rolling sandy land through
scattering sage and greasewood brush undergrowth
and bunch grass

35.70 Dry sand wash 50 lks. wide 3 ft. deep. Course N.E.

39.99 Set an iron post 3 ft. long 1 in. in diam. 26 in. in
the ground for 1/4 sec. cor. marked on brass cap 1/4 S 11
on N. half and S 1/4 on S. half.

Dig pits 18x18x12 in. East W. of post 3 ft. dia and
raise a mound of earth 3 1/2 foot base, 1 1/2 ft. high. N.
of cor.

47.00 Road to Placca Arizona bears N and S., leave rolling
sandy land bears N and S. Enter mountainous
land. ascend steeply over N.E. slope

73.40 Top of stony spur bears N.W. and S.E. desc. S.W. slope

75.75 Dry ravine 20 ft. below top of spur Course S.E. asc.
steep N.E. slope,

79.00 Top of stony spur 20 ft. above sec. cor. bears N.W.
and S.E. desc. steeply.

79.98 The cor. of. sec. 10, 11, 14 and 15, hereinbefore described.
Land rolling and mountainous.

Soil sandy and stony 3rd and 4th rate,
No timber

Mountainous land 32.98 Chs.

N0°01'W. bet. sec. 10 and 11.

Ascend steep rocky S.W. slope over mountainous
land through scattering sage brush undergrowth and
bunch grass

6.40 Top of spur 20 ft. above cor. bears East W desc. steep
N.E. slope

8.30 Dry ravine Course S.E. asc steep S.W. slope.

13.75 Top of spur bears East W desc. N. slope.

Subdivision of Twp 25 N. R 19 E.

Chain

BOOK 2583

- 22.70 Dry ravine 10 lks. wide Course N.E. and
- 24.55 Top of spur bears N.E. and S.W. desc. steeply
- 29.70 Dry ravine 20 ft. below top of spur. Course N.E. and
- 32.00 Top of spur 80 ft. above ravine bears E and W. desc.
- 33.00 Cedar timber bears N.W. and S.E.
- 40.00 Set an iron post 3 ft. long 1 in. in diam 26 ins in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 10 on W. half and S 11 on E. half. from which
A cedar 6 ins. in diam. bears S 35° E. 73 lks. dist. marked $\frac{1}{4}$ S 11 B.T.
A cedar 8 ins. in diam. bears S 81 $\frac{1}{2}$ ° W 57 lks. dist. marked $\frac{1}{4}$ S 10 B.T.
- 43.45 Dry ravine 15 ft. below $\frac{1}{4}$ sec. cor. Course N.E. and
- 53.00 Top of stony spur 60 ft. above ravine bears E. and W. desc.
- 63.65 Dry ravine Course N.E. and
- 65.55 Top of stony spur 140 ft. above ravine bears E. and W. desc.
- 74.00 Cedar timber bears E. and W.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 2, 3, 10 and 11, marked on brass cap T 25 N. S 3 in N.W. R 19 E S 2 in N.E. S 11 in S.E. and S 10 in S.W. quadrants.
Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. W. of cor. Pts impracticable
Land mountainous.
Soil stony 3rd and 4th rate
Timber Cedar
Mountainous land 80.00 Chs.

NOTE On the $\frac{1}{4}$ sec. cor. bet. sec. 10 and 11. Set off 20° 08' N. on the decl. arc and at noon observe the sun on the meridian, and obtain on the lat. arc, a reading of 35° 34' $\frac{1}{2}$ N.

- 89° 51' E on a random line bet. sec. 2 and 11.
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N and S. line 12 lks. S of the cor. of sec 1, 2. ^{here before described} 11 and 12, ^{thence} D run
- N 89° 56' W. on a true line bet. sec. 2 and 11.
Over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass
- 35.80 Road to Beans Canyon bears N.E. and S.W.
- 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the

ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 20 W N. half and S 11 on S. half

Dig pits 18x18x12 ins E and W. of post. 3 ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high. W. of cor.

51.45 Old road bears N and S.

61.25 Dry sand wash 25 lbs wide 2 ft. deep course N.E. Leads rolling land bears N.E. and S.W. Enter stony mountainous land bears N.E. and S.W. ascend steep S.E. Slope.

79.96 The Cor. of sec. 2, 3, 10 and 11, hereinbefore described. Land rolling and mountainous.

Soil sandy and stony 3rd and 4th rate. No timber

No 01' W. br. sec. 2 and 3.

Descend N.E. slope over rolling sandy land through scattering sage and greasewood brush under growth and bunch grass

27.00 Road from Horsten Neg's house to Placee Arizona bears N.W. and S.E.

40.00 Set an iron post. 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 30 W W. half and S 20 W E. half.

Dig pits 18x18x12 ins N and S. of post. 3 ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W. of cor.

83.80 Intersect N. E. line of Twp. 11, 67 Ch. West of the cor. of sec. 2, 3, 34 ^{recently estab. by me & described in Exterior Book "B"} and 35. Set an iron post. 3 ft. long 2 ins. in diam. 24 ins. in the ground for closing.

Cor. of sec. 2 and 3, marked on brass cap. C.C. 726 N. R. 19 E S 34, S 35 in N. half & S 2 in S.E. and S 3 in S.W. quadrants.

Dig pits 24x18x12 ins crosswise on each line. E. and W. 3 ft. and S. of post. 7 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high. S. of cor

I change the cor. of sec. 2, 3, 34 and 35 from a cor. common to 4 sec. to a cor. common to 2 sec. for the Twp. on the north.

Land rolling
Soil sandy 3rd rate
No timber.

May 21st 1910

BOOK 2583

- May 20th 1910 Ah. 7^h 30^m a.m. ^{1 m. to} set off 35° 30' 1/2 N. on the
 lat. arc. 19° 53' 1/2 N. on the decl. arc. and determine a
 meridian with the solar at the Standard Cor. of
 sec 33 and 34 on S. Side of T₂₅N. ^{recently re-established by me} & described in Standard Book "G"
 Thence Down
- No° 02 W. Sec. 33 and 34
- Ascend S.W. slope over stony mountainous land through
 scattering cedar timber
- 7.00 Top of spur 40 ft. above cor. bears N.W. and S.E. desc.
- 9.50 South edge of box canyon 200 lbs. wide bears N.W. and S.E.
- 10.50 Bottom of canyon 40 ft. deep. Course S.E. ascend. Cliffs
- 11.50 North edge of canyon bears N.W. and S.E. Continue steep
 ascend over S.W. slope.
- 25.50 Top of stony spur bears E and W. desc. N. slope
- 40.00 See an iron post. 3 ft. long 1 in. in diam. 26 ins. in
 the ground for cor. marked on brass cap 1/4 S
 33 on W. half and 334 on E. half. from which.
 A cedar 10 ins. in diam. bears N. 81° E 144 lbs. dist.
 marked 1/4 S 34 B.T.
- A cedar 14 ins. in diam. bears S 62° W 90 lbs. dist.
 marked 1/4 S 33 B.T.
- 63.50 Dry ravine 20 lbs. wide course N.E. asc.
- 68.50 Top of spur bears N.E. and S.W. desc
- 74.80 North edge of mesa on cliffs bears E and W. desc.
 abruptly over N. slope.
- 80.00 See an iron post. 3 ft. long 2 ins. in diam. 24 ins. in
 the ground for cor. of sec 27, 28, 33 and 34, marked
 on brass cap T₂₅N. R19E S 28 in N.W. T₂₅N. R19E S 27 in N.E. S 34
 in S.E. and S 33 in S.W. quadrants. from which.
 A cedar 8 ins. in diam. bears N 43° E 53 lbs. dist. marked
 T₂₅N. R19E S 27 B.T.
- A cedar 12 ins. in diam. bears S 67° E 62 lbs. dist. marked
 T₂₅N. R19E S 34 B.T.
- A cedar 16 ins. in diam. bears S 55 3/4° W 141 lbs. dist.
 marked T₂₅N. R19E S 33 B.T. and
- A cedar 8 ins. in diam. bears N 73 1/2° W 39 lbs. dist.
 marked T₂₅N. R19E S 28 B.T.
- Land mountainous
 Soil stony 3rd and 4th rate.
 Timber Cedar
 Mountainous land 8900 chs.

Chain

- 40.00 S 89° 46' E on a random line bet. sec. 27 and 34
 Set temp 7 sec. cor.
- 79.86 Intersect N and S. line 10 lks. N. of cor. of sec. 26, 27,
 34 and 35 ^{hereinbefore described} Thence S run.
- W 89° 42' W on a true line bet. sec. 27 and 34
 Ascend N.E. slope over stony mountainous land.
 through scattering cedar timber and bunch grass
 undergrowth.
- 3.45 Road to Cottonwood Spring bears N. and S.
- 16.00 Top of spur bears N. and S. desc.
- 19.00 Dry ravine 10 lks wide course North ascend
- 29.00 Top of sandy spur bears N. and S. desc.
- 30.50 A point from which a deserted Navajo Hogout bears
 North 8.00 Chv. dist.
- 36.50 Dry ravine course North asc.
- 39.93 Set an iron post 3 ft. long 1 in. in diam. 26 ins in
 the ground for 1/4 sec. cor. marked on brass cap 1/4
 S 27 on N. half and S 34 on S. half. from which.
 A Pinion pine 10 ins in diam. bears N 28 1/2° E 62 lks. dist.
 marked 1/4 S 27 B.T.
- A Cedar 8 ins. in diam. bears S 7 1/2° E 70 lks. dist. marked
 1/4 S 34 B.T.
- 62.75 Top of spur 150 ft. high. bears N. and S. desc abruptly
- 79.86 The cor of sec. 27, 28, 33 and 34, hereinbefore described.
 Land mountainous.
 Soil stony 3rd and 4th rate.
 Timber pinion pine and cedar.
 Mountainous land, 79.86 Chv.
- NOTE At this cor I set off 19° 55 1/2' N. on the decl. arc, and
 at noon observe the sun on the meridian, and
 obtain on the lat. arc a reading of 35° 31 1/2' N.
-
- N 0° 02' W. bet. sec 27 and 28.
 Descend steep rocky N. slope of mesa over mountainous
 land through scattering cedar timber
- 9.50 Top of abrupt descent leaves mountainous land bears
 N.E. and S.W. Enter rolling land bears N.E. and S.W.
- 9.55 Dry sand wash 10 lks. wide 1 ft. deep course N 70° E.
- 23.50 Bear timber bears N.E. and S.W.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for 1/4 sec. cor. marked on brass cap 1/4 S 28 on W.

BOOK 2588

- half and S 27 on E half, from which.
 A Cedar 20 ins. in diam. bears S 88° E 310 lks. dist.
 marked $\frac{1}{4}$ S 27 B.T.
- A Cedar 14 ins. in diam. bears N 86 $\frac{1}{2}$ ° W 557 lks. dist.
 marked $\frac{1}{4}$ S 28 B.T.
- 40.75 Dry sand wash 25 lks. wide 3 ft. deep course N 70° E
- 48.90 Old road from Herten Nez's house to Comas Spring
 bears N 75° E and S 75° W.
- 73.10 Dry sand wash 100 lks. wide 4 ft. deep course N 80° E
 bears rolling land bears N.E. and S.W. Enter Mountainous
 land bears N.E. and S.W. ascend S.W. slope
- 80.00 Set an iron post. 3 ft. long 2 ins. in diam. 24 ins. in
 the ground for cor. of sec. 21, 22 27 and 28. marked
 out base cap T 25 N S 21 in NW T 19 E S 22 in N.E. S 27 in
 S.E. and S 28 in S.W. quadrant, from which.
 A Cedar 12 ins. in diam. bears S 63 $\frac{1}{2}$ ° W 330 lks. dist.
 marked T 25 N. T 19 E S 28 B.T. No other trees available
 Dig pits. 24 x 18 x 12 ins. in each. sec. N.E. S.E. and NW.
 of post 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft.
 base. 2 ft. high W. of cor.
 Land rolling and mountainous.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar
 Mountainous land 16, 40 Chs.
-
- S 89° 42' E on a random line bet. sec. 22 and 27.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N and S. line 5 lks. S of the cor. of sec. 22, 23,
^{hereinbefore described}
 26 and 27. Thence I run
- N 89° 44' W. bet. sec. 22 and 27.
- Ascend S.E. slope over stony mountainous land through
 scattering Cedar timber and bunch grass
- 28.50 Top of Spur bears N and S. desc. steep W. slope.
- 39.98 Set an iron post. 3 ft. long 1 $\frac{1}{2}$ ins. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked out base cap $\frac{1}{4}$ S 22 on
 N. half and S 27 on S. half, from which
 A Cedar 12 ins. in diam. bears N. 15 $\frac{3}{4}$ ° W 51 lks. dist.
 marked $\frac{1}{4}$ S 22 B.T.
- A Cedar 10 ins. in diam. bears S 70 $\frac{3}{4}$ ° E 36 lks. dist.
 marked $\frac{1}{4}$ S 27 B.T.
- 48.30 Dry sand wash 15 lks. wide course South asc.

Subdivision of T₂₅N. R19E

21

Chains

- 55.00 Top of sand spur bears N and S. desc. Lead timber bears N and S.
- 57.00 Dry sand wash 15 lks. wide 2 ft. deep course S 30° W.
- 66.00 Dry sand wash 40 lks. wide 5 ft. deep. Course S 30° W
- 79.96 The cor. of sec. 21, 22, 27 and 28, hereinbefore described. Land mountainous. Soil sandy and stony 3rd and 4th rate. Timber Cedar Mountainous land. 79.96 Chs.

MAY 20th 1910

May 25th 1910 Ch. 7^h 00^m a.m. ^{l.m.t.} 2 sec off. 35° 32' N on the lat. arc 20° 53' N on the decl. arc and determine a meridian with the solar ch. the cor. of sec. 21, 22, 27 and 28, ^{hereinbefore described} Thence I run

N 0° 02' W. 1/4 sec. 21 and 22.

Ascend S slope over mountainous land through scattering sage and greasewood brush and bunch grass

18.50 Enter scattering cedar timber bears E and W.

36.50 Dry sand wash 10 lks. wide 2 ft. deep course S 40° W.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 21° W. half and S 22° on E. half, from which. A cedar 4 ins. in diam. bears S 89 1/2° E 120 lks. dish marked 1/4 S 22 B.T.

A cedar 12 ins. in diam. bears S 14 1/2° W 90 lks. dish. marked 1/4 S 21 B.T.

53.00 Top of sand spur bears N.E. and S.W. desc N.W. slope

54.80 Dry ravine 10 lks wide course S.W. ascend abruptly over stony land.

77.00 Top of abench. on S edge of mesa bears E and W Leads mountainous land bears E and W. Enter level sandy mesa land bears E and W.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec 15, 16, 21 and 22. marked on brass cap T 25 N. S 16 in N.W., R 19 E. S 15 in N.E. S 22 in S.E. and S 21 in S.W. quadrants from which.

A cedar 8 ins. in diam. bears N 84° E 58 lks. dish. marked T 25 N. R 19 E. S 15 B.T.

A cedar 16 ins. in diam. bears S 35 3/4° E 175 lks. dish marked T 25 N. R 19 E S 22 B.T.

BOOK 2583

A Cedar 10 in. in diam. bears S 58° W 239 lbs. dist marked T 25 N, R 19 E S 21 B.T. and
 A Cedar 6 in. in diam. bears N 57½° W 233 lbs. dist marked T 25 N R 19 E S 16 B.T.
 Land mountainous.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar
 Mountainous land 77.00 Chs.

40.00 S 89° 44' E on a random line bet. sec. 15 and 22.
 See temp ¼ sec. cor.
 80.00 Intersect N and S. line at the cor. of sec. 14, 15, 22
 and 23 ^{hereinbefore described} thence run

N 89° 44' W, on a true line bet. sec. 15 and 22.
 Ascend abruptly rocky E. slope of mesa over mountainous land through scattering cedar timber and sage brush undergrowth

2.20 Top of stony spur bears N.E. and S.W. desc.
 3.85 Dry ravine 30 ft. below top of spur course N.E. asc.
 18.50 Top of rocky spur bears N.E. and S.W. desc steeply
 20.70 Dry ravine course N.E. asc.
 35.50 Top of rocky spur bears N.E. and S.W. desc.
 37.60 Dry ravine course N.E. ascend abruptly.
 40.00 See an iron post, 3 ft. long 1 in. in diam. 26 in. in the ground for ¼ sec. cor. marked on brass cap ¼ S 45 on N. half and S 22. on S. half, from which.
 A Cedar 4 in. in diam. bears S 4½° E 91 lbs. dist. marked ¼ S 22 B.T. No other trees available.
 Raise a mound of stone 2 ft. base, 1½ ft. high. N. of cor.
 Pile impracticable

40.70 The same ravine course S.E. asc
 41.30 Top of rocky spur bears N and S. desc.
 42.00 The same ravine course N.E. asc.
 69.70 Top of abrupt. ascent. on E. edge of mesa bears N. and S. bears mountainous land bears N and S
 Enter rolling sandy mesa land bears N. and S.
 80.00 The cor. of sec. 15, 16, 21 and 22, hereinbefore described.
 Land rolling and mountainous.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar
 Mountainous land. 69.70 Chs.

Subdivision of T₂₅N., R 19E.

Chavin

No 02' W. 1/4 sec. 15 and 16.

Over rolling sandy mesa land, through scattering cedar timber, sage and greasewood bush undergrowth and bunch grass.

- 12.50 North edge of mesa bears E and W, bears rolling land bears E and W, Enter stony mountainous land, bears E and W. descend abruptly over N. slope
- 40.00 ~~Set~~ an iron post 3 ft. long. 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap. 1/4 S 16 on W. half. and S 15 on E. half, from which. A cedar 6 ins. in diam. bears N 50° W 58 lbs. dist. marked 1/4 S 16 B.T.
A cedar 6 ins. in diam. bears S 68 1/2° E 88 lbs. dist. marked 1/4 S 15 B.T.
- 40.50 Dry ravine 15 lbs. wide 15 ft. below cor. Course N.W. descend.
- 42.15 Top of spur bears E and W. desc.
- 53.80 Dry ravine Course N.W. asc. steeply.
- 55.50 Top of spur bears N.W. and S.E. desc.
- 58.25 Dry ravine course S.E. asc
- 60.50 Top of spur 30 ft. high. bears E and W. desc
- 66.90 Dry ravine 40 ft. below top spur course S.E. asc.
- 72.35 Top of spur bears E and W. desc.
- 79.50 Set an iron post. 3 ft. long. 2 ins. in diam. 24 ins. in the ground. for witness cor. to cor. of sec. 9, 10, 15 and 16. marked on brass cap. W.C. in N. half. T 25 N., S 9 in N.W., R 19 E. S 10 in N.E., S 15 in S.E. and S 16 in S.W. quadrant, from which
A cedar 4 ins. in diam., bears N 28 3/4° E 125 lbs. dist. marked W.C. T 25 N., R 19 E S 10, B.T.
A cedar 8 ins. in diam. bears S 50 1/2° E 63 lbs. dist. marked W.C. T 25 N., R 19 E S 15 B.T.
A cedar 16 ins. in diam. bears S 35 3/4° W 68 lbs. dist., marked W.C. T 25 N., R 19 E. S 16 B.T. and
A cedar 10 ins. in diam. bears N 24 1/2° W 174 lbs. dist. marked W.C. T 25 N., R 19 E. S 9 B.T.
- 80.00 The ^{true} point for cor. of sec. 9, 10, 15 and 16, falls in a dry ravine. course East, where natural cause would insure the destruction of the corner.
Land rolling and mountainous.
Soil sandy and stony 3rd and 4th etc.
Number Cedar. T

BOOK 2583

Mountainous land 67.50 chs.

- 40.00 S 89° 44' E on a random line bet. sec 10 and 15
 40.00 Set temp 1/4 sec. cor.
- 80.04 Intersect N and S. line 2 lks. S. of the cor. of sec.
 10, 11, 14, and 15 ^{hereinbefore described} thence I run
 N 89° 45' W. on a true line bet. sec 10 and 15
 Descend S.W. slope of mesa over stony mountainous
 land, through scattering greasewood and sage
 brush undergrowth and bunch grass
- 1.60 Dry ravine 25 lks. wide course S.E. asc. steeply.
- 20.85 Ascend bluff 25 ft. high. bears N.E. and S.W.
- 24.00 Top of ascent on divide bears N.E. and S.W. desc.
- 29.50 Malpais bluff 25 ft. high. bears N.E. and S.W. desc.
- 40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins in
 the ground. for 1/4 sec. cor. marked on bear cap.
 1/4 S 10 on N. half. and S 15 on S. half.
 Raise a mound of stone 2 ft. base, 1/2 ft. high. N. of
 cor. Pits impracticable
- 45.50 Dry ravine 30 lks. wide course N.W. asc.
- 50.00 Top of spur bears N and S. desc. Enter cedar timber
 bears N and S.
- 55.30 Dry sand wash 25 lks. wide 2 ft. deep course N.E.
- 55.35 Old road bears N and S. leads to Placea Arizona
- 60.70 Top of stony spur bears N and S. desc.
- 72.38 Dry ravine course N.E. asc.
- 74.85 Top of stony spur bears N and S. desc.
- 80.04 The true point for cor. of sec. 9, 10, 15 and 16,
 Land mountainous ^{hereinbefore described}
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar
- Mountainous land 80.04 chs.

NOTE May 25th 1910. At the cor. of sec 15, 16, 21, and 22,
^{hereinbefore described}
 Set off 20° 54' N. on the decl. arc and at noon
 observe the sun on the meridian, the resulting
 latitude being 35° 33' N.

May 30th 1910. At 7^h 30^m a. m. ^{1. mt.} set off 35° 34' N.
 on the lab. arc 21° 43' N. on the decl. arc. and
 determine a meridian with the solar at the true
 point for cor.

Chain

- hereinafter described
of secs. 9, 10, 15 and 16, ^{Three} Drum
S₁ 70° 02' W. to sec. 9 and 10.
- Ascend S. E. slope over stony mountainous land
through scattering Cedar timber
- 200 Top of spur bears E and W. extends E. of line 100
lks. dist. desc.
- 27.70 Dry sand wash 25 lks. wide 2 ft. deep course N. W. asc.
S. W. slope
- 32.45 Road to Place Arizona bears N. W. and S. E.
- 37.50 Top of spur bears E and W. desc.
- 40.00 Set an iron post 3 ft. long. 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass cap.
 $\frac{1}{4}$ S 90° W. half and S 10° on E half. from which
a cedar 8 ins. in diam. bears N 49° E 18 lks. dist.
marked $\frac{1}{4}$ S 10° B.T.
- A cedar 8 ins. in diam. bears N 83 $\frac{1}{2}$ ° W. 30 lks. dist.
marked $\frac{1}{4}$ S 9° B.T.
- 42.90 Same sand wash as above 25 lks. wide 2 ft.
deep course N. E. ascend S. E. slope. Leave timber
bears N. E. and S. W.
- 63.50 Enter sand wash. 25 lks. wide course N. W. then
in dry bed of wash.
- 71.50 Leave sand wash. course N. E.
- 79.10 Same sand wash. course N. W.
- 80.00 Set an iron post 3 ft. long. 2 ins. in diam. 24 ins.
in the ground for cor. of secs. 3, 4, 9 and 10. marked
on brass cap T 25 N. S 4 in N. W. R 19 E. S 3 in N. E. S 10
in S. E. and S 9 in S. W. quadrants.
- Dig pits 18 X 18 X 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and
raise a mound of earth 4 ft. base. 2 ft. high.
W. of cor.
Land mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar
Mountainous land 80.00 chs.
-
- S 89° 45' E on a random line to sec. 3 and 10.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N and S. line 5 lks. N. of cor. of secs. 2
^{hereinafter described}
3, 10 and 11, ^{Three} Drum
N 89° 43' W. on a true line to sec. 3 and 10

BOOK 2583

- Ascend N.E. slope over stony mountainous land through scattering sage and greasewood bush undergrowth and bunch grass.
- 1.00 Top sand spur bears N.W. and S.E. desc.
- 4.90 Dry ravine course north asc.
- 7.00 Top of spur bears N and S. desc.
- 15.90 Dry ravine course N.E. asc.
- 19.25 Top of spur bears N and S. desc.
- 24.30 Dry ravine course N. asc.
- 27.80 Top of stony spur bears N and S. desc.
- 30.85 Head of rocky ravine course N.W. asc. Enter Cedar timber bears N.W. and S.E.
- 37.00 Top of spur bears N and S desc.
- 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 30 W. half and S 10 or S. half. from which
 A cedar 20 ins. in diam bears N 52° W. 234 lbs. dist. marked $\frac{1}{4}$ S 3. B.T.
 A cedar 14 ins in diam. bears S 41 $\frac{1}{2}$ ° W. 144 lbs. dist. marked $\frac{1}{4}$ S 10 B.T.
- This cor. is situated at foot of descent in depression draws to the North, asc.
- 42.50 Top of spur bears N and S. desc.
- 46.65 Dry ravine course N. asc.
- 62.60 Heavy timber bears N and S.
- 63.00 Top of spur bears N. and S. desc.
- 69.40 Dry ravine 10 lbs. wide 3 ft. deep course N.W. asc.
- 72.65 Road to Place Arizona bears N and S.
- 79.96 The Cor. of secs. 3, 4, 9 and 10, hereinbefore described.
 Land mountainous
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar
 Mountainous land 79.96 chs.
-
- N 0° 02' W. 3rd sec. 3 and 4.
 Descend N. slope over mountainous land through scattering sage and greasewood bush undergrowth and bunch grass.
- 3.25 Road to Place Arizona bears N.W. and S.E.
- 9.50 Dry sand wash. 40 lbs. wide 3 ft. deep course N.E. Revers mountainous land bears N.E. and S.W.

Chains

27

Enter rolling land bears N.E. and S.W.
 14.50 The same land wash course N.W.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cov marked on brass cap. N. 34° W. half and S. 33. on E half.
 Dig pits 18 x 18 x 12 ins. N and S. of post. 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of cov
 83.38 Intersect N. bdy of Twp. 11 48 Ch. West of the cor of sec 3, 4, 33. and 34. ^{recently established & described in Exterior Book "B"} Set an iron post 3 ft. long 2 in. in diam. 24 ins. in the ground for closing corner of sec 3 and 4. marked on brass cap. C.C. T 26 N. R 19 E. S 33. S 34 in N. half, S 3 in S.E. and S 4 in S.W. quadrants.
 Dig pits 24 x 18 x 12. ins. crosswise on each line East W. 3 ft. and S. of post. 7 ft. dia. and raise a mound of earth 4 ft. base 2 ft. high. S. of cov. I change the cor. of sec. 3, 4, 33 and 34. from a cor. common to 4 sections to a cor. common to 2 sections. for the Twp on the north.
 Land rolling and mountainous.
 Soil sandy and stony 3rd and 4th rats.
 No timber

Mountainous land. 9.50 Ch.
 NOTE Clouds obscured the sun at noon today rendering an observation for latitude impossible with the solar

May 30th 1910

May 23rd 1910 Ah. 8^h 00^m am ^{1. mt} \angle of $35^{\circ} 30' \frac{1}{2}''$ N. on the lat. arc $20^{\circ} 30' N.$ on the decl. arc. and determine a meridian with the solar at the Standard Cor. of sec. 32 and 33. on the S bdy of ^{recently re-established by me & described in Standard Book "C"} Twp. ^{hence from}

N $0^{\circ} 03' W.$ bet. sec 32 and 33

Descend N.W. slope over stony mountainous land, through scattering cedar and juniper timber and sage and greasewood brush undergrowth

0.10 Dry ravine 15 lbs. wide course S.W. are. S. slope of Butte

16.90 Slope of Butte bears N.E. and S.W. descend abruptly over N.W. slope.

29.60 Dry ravine 20 lbs. wide course N.W. ascend abruptly

Subdivision of Twp 25 N. R 19 E.

28

Chain

BOOK 2583

- 39.60 Top of rocky spur bears N.W. and S.E. descend abruptly over N.E. slope.
- 43.00 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 32 on W. half and S 33. on E half,, from which
A cedar 5 ins. in diam. bears S $21\frac{1}{2}^{\circ}$ E 93 lbs. dist. marked $\frac{1}{4}$ S 33 B.T.
A cedar 6 ins. in diam bears S 78° W. 81 lbs. dist. marked $\frac{1}{4}$ S. 32 B.T.
- 80.00 Set an iron post 3 ft. long 2 ins in diam 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33. marked on brass cap T 25 N, S 29 in N.W., R 19 E S 28 in N.E. S 33 in S.E. and S 32. in S.W. quadrant. from which
A cedar 8 ins. in diam. bears N $39\frac{1}{4}^{\circ}$ E 57 lbs dist. marked T 25 N, R 19 E. S 28 B.T.
A cedar 6 ins. in diam. bears S 28° E 12 lbs. dist. marked T 25 N, R 19 E. S 33 B.T.
A cedar 10 ins. in diam, bears S 64° W 50 lbs. dist. marked T 25 N, R 19 E S. 32 B.T. and
A cedar 10 ins. in diam. bears N 63° W 57 lbs. dist. marked T 25 N, R 19 E. S 29 B.T.
Land mountainous.
Soil sandy and stony 3rd and 4th rate.
Growth Cedar.
mountainous land 80,00 chs.
-
- 40.00 Set top $\frac{1}{4}$ sec. cor.
- 80.24 Intersect N and S. line 2 lbs. N. of the cor. of sec. 27, 28, 33 and 34 ^{hereinbefore described} Then cedar
- N $89^{\circ} 45'$ W, on a true line bet. sec. 28 and 33.
Descend N.W. slope over stony mountainous land through scattering cedar timber and sage bush undergrowth.
- 3.00 Dry ravine 20 ft. below cor. Course N.E. ascend abruptly.
- 9.00 Top of spur bears N and S. desc.
- 10.00 Dry ravine 10 lbs. wide Course North asc.
- 15.80 Top of spur bears N and S. desc abruptly
- 17.20 Dry ravine course N. ascend steep E. slope
- 22.00 Top of rocky spur 100 ft. high. bears N and S., extends 100 lbs. N. of line desc.
- 38.00 Dry. sand wash. 30 lbs. wide 2 ft. deep course N.W. asc.
- 40.12 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the

- ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 28 on N. half and S 33 on S. half. from which
 A cedar 18 ins. in diam. bears N 74 $\frac{1}{4}$ ° W 114 lbs
 dist. marked $\frac{1}{4}$ S 28 B.T.
 A cedar 20 ins. in diam. bears S 40 $\frac{1}{4}$ ° W. 62 lbs.
 dist. marked $\frac{1}{4}$ S 33 B.T.
- 56.00 Top of rocky spur bears N. and S. dec.
 60.00 Dry ravine 10 lbs. wide 20 ft. below top of spur
 course N. W. asc.
 67.50 Top of rocky spur bears N.E. and S.W. dec.
 78.70 Dry ravine 15 lbs wide course N.W. asc.
 80.24 The cor. of sec. 28, 29, 32, and 33, ^{hereinbefore} described.
 Land mountainous.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar.
 Mountainous land 80.24 Chs.
- NOTE On this cor. I set off. 20° 32' N. on the decl. arc
 and at noon observed the sun on the meridian
 the resulting latitude being 35° 31 $\frac{1}{2}$ ' N.

- N 0° 03' W. 1/4 sec. 28 and 29.
 Descend N.E. slope over stony mountainous land
 through scattering cedar timber, sage and greasewood
 brush undergrowth and bunch grass
- 11.80 Dry ravine 20 lbs. wide course N.E. asc.
 19.60 Road from Hirsten Neg's house to Comar Spring,
 bears N 60° E and S 60° W., Leave timber bears N.E. and S.W.
 40.00 Set an iron post 3 ft long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap.
 $\frac{1}{4}$ S 29 on W. half and S 28 on E. half.
 Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. W. of cor.
 (It is impracticable).
- 54.10 Top of rocky spur bears N.E. and S.W. dec. N.W. slope
 Enter scattering cedar timber bears N.E. and S.W.
 65.80 Dry ravine course S.E. asc. S.W. slope.
 75.60 Top of stony spur bears N.E. and S.W. dec.
 78.95 Dry ravine 10 lbs. wide. 5 ft. deep course N.W. asc.
 80.00 Set an iron post 3 ft long 2 ins. in diam., 24 ins.
 in the ground for cor. of sec. 20, 21, 28, and 29,
 marked on brass cap. T 25 N. S 20 in N.W., R 19 E S 21
 in N.E., S 28 in S.E. and S 29 in S.W. quadrants, from which

BOOK 2583

A cedar 6 ins. in diam. bears $N 28 \frac{1}{2}^{\circ} E$ 106 lbs. dist. marked
T 25 N., R 19 E. S 21 B.T.

A cedar 12 ins. in diam bears $S 50 \frac{3}{4}^{\circ} E$ 190 lbs. dist.
marked T 25 N., R 19 E. S 28 B.T.

A cedar 10 ins. in diam. bears $S 30^{\circ} W$ 78 lbs. dist.
marked T 25 N., R 19 E. S 29 B.T. and

A cedar 8 ins. in diam. bears $N 44 \frac{3}{4}^{\circ} W$ 123 lbs. dist.
marked T 25 N., R 19 E S 20 B.T.

Land mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber Cedar

$S 89^{\circ} 45' E$ on a random line bet. sec. 21 and 28.

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

80.12 Intersect N and S. line 3 lbs. S. of the cor. of sec. 21, 22
hereinbefore described
27 and 28. $\frac{1}{4}$ thence Drum

$N 89^{\circ} 46' W$ on a true line bet. sec. 21 and 28

Over mountainous land slopes to West. through
scattering sage and greasewood bush undergrowth and
brush grades.

3.12 Dry sand wash 20 lbs. wide 3 ft. deep course S. acc.

12.25 Top of sand spur bears N.W. and S.E. desc.

16.55 Dry sand wash 50 lbs. wide, 4 ft. deep course S.E. acc

37.00 Dry sand wash 10 lbs. wide 2 ft. deep course S.E.

Enter scattering cedar timber bears N.W. and S.E.

40.06 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 21 on
N. half and S 28 on S half, from which.

A cedar 10 ins. in diam. bears $N 38 \frac{1}{4}^{\circ} E$ 180 lbs. dist.
marked $\frac{1}{4}$ S 21 B.T.

A cedar 12 ins. in diam. bears $S 59^{\circ} W$ 118 lbs. dist.
marked $\frac{1}{4}$ S 28 B.T.

45.28 The same sand wash 10 lbs. wide course N.E. acc.

64.00 Top of rocky spur 150 ft. above ravine bears N.E. and
S.W. desc NW. slope

80.12 The cor. of sec. 20, 21, 28 and 29, hereinbefore described.

Land mountainous

Soil sandy and stony 3rd and 4th rate.

Timber Cedar

May 23rd 1910.

May 26th 1910 Ch. 7^h 30^m a.m. ^{l.m.t.} \odot set off. $35^{\circ}32' N.$
 on the lat arc $21^{\circ}03\frac{1}{2}' N.$ on the decl arc and determine
 a meridian with the solar at the cor. of sec.

20, 21, 28 and 29, ^{hereinbefore described} Thence \odot run
 $N 0^{\circ}03' W.$ bet. sees 20 and 21.

Ascend S.W. slope over stony mountainous land through
 scattering cedar timber, sage and greasewood bush.
 undergrowth and bunch grass

12.15 Top of rocky spur 140 ft. above cor. bears $N 85^{\circ} W$ and
 $S 85^{\circ} E.$ Descend steeply

34.60 Dry ravine course N.E. asc.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$
 $S 20$ on W half and $S 21$ on E half. from which.

A cedar 6 ins. in diam. bears $S 88\frac{3}{4}^{\circ} E$ 69 lbs. dist.
 marked $\frac{1}{4}$ S 21 B.T.

A cedar 12 ins. in diam. bears $N. 75\frac{1}{4}^{\circ} W$ 77 lbs. dist.
 marked $\frac{1}{4}$ S 20 B.T.

42.27 Dry ravine course E: asc. steeply.

47.08 Top of steep ascent, ascend gradually.

67.42 Top of ascent on S. edge of mesa bears E and W.
 Bears timber and mountainous land bears E and
 W. enter rolling land bears E and W.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in
 the ground for cor. of sees. 16, 17, 20 and 21, marked
 on brass cap T 25 N. S 17 in N.W. T 19 E S 16 in N.E.
 S 21 in S.E. and S 20 in S.W. quadrants.

Dig pits 18x18x12 ins in each sec. 5 $\frac{1}{2}$ ft. dist. and
 raise a mound of earth 4 ft. base, 2 ft. high. W.
 of cor.

Land mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber Cedar.

Mountainous land, 8000 Ch.

40.00 $S 89^{\circ}46' E$ on a random line bet. sees. 16 and 21.

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

80.08 Intersect N and S. line 2. lbs. S. of the cor. of sec.
^{hereinbefore described} 15, 16, 21 and 22, Thence \odot run

$N 89^{\circ}47' W.$ on a true line bet. sees. 16 and 21

Descend W. slope over rolling sandy land through

BOOK 2583

- scattering cedar timber sage and greasewood bush
undergrowth and bunch grass
- 15.00 Leave timber bears N.E. and S.W.
- 34.80 Hook of descent in depression bears N.E. and S.W.
drains to the S.W. Scattering cedars near $\frac{1}{4}$ sec cor.
- 40.04 See an iron post. 3 ft. long 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass $\frac{1}{4}$ S 16
on N. half and S 21 on S. half, from which.
A cedar 10 ins. in diam. bears N 26 $\frac{1}{2}$ ° E 461 lks. dist.
marked $\frac{1}{4}$ S 16 B.T.
- A cedar 4 ins. in diam. bears S 32 $\frac{1}{4}$ ° E 136 lks. dist. marked
 $\frac{1}{4}$ S 21 B.T.
- 80.08 The Cor. of secs. 16, 17, 20 and 21, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
Timber Cedar
- NOTE At this cor. I set off. 21° 05' N. on the decl arc, and at
noon observed the sun on the meridian and obtain
on the lat. arc. a reading of 35° 33' N.

- N 0° 03' W. bet. secs. 16 and 17
Over rolling sandy mesa land, through scattering
sage and greasewood bush undergrowth and
bunch grass
- 30.90 Leave rolling land bears N.E. and S.W. Enter stony
mountainous land bears N.E. and S.W., descend
steep N.W. slope.
- 34.90 Enter cedar timber bears E and W.
- 40.00 See an iron post. 3 ft. long 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass cap.
 $\frac{1}{4}$ S 17 on W. half and S 16 on E. half, from which.
A cedar 24 ins. in diam. bears N 54° E 168 lks.
dist. marked $\frac{1}{4}$ S 16 B.T.
- A cedar 4 ins. in diam. bears S 78 $\frac{1}{4}$ ° W 78 lks. dist.
marked $\frac{1}{4}$ S 17 B.T.
- 57.92 Dry ravine 25 ft. below $\frac{1}{4}$ sec. cor. course S.W. asc.
steeply, leave timber bears N.E. and S.W.
- 63.85 Top of steep rocky ascent on edge of mesa leave
mountainous land bears N.W. and S.E. Enter rolling
sandy land bears N.E. and S.W.
- 80.00 See an iron post. 3 ft. long 2 ins. in diam. 24 ins.

Subdivision of Tp 25 N. R 19 E.

chains

- Land rolling and mountainous
Soil sandy and stony 3rd and 4th rate.
Timber Cedar
Mountainous land 29.20 Chv.
-
- 40.00 S 89° 42' E on a random line bet. sec. 4 and 9,
bet. temp. 1/4 sec. cor.
- 80.00 Intersect N. and S. line 3 lks. S of the cor. of sec.
3, 4, 9 and 10 ^{hereinbefore described} Thence run
N 89° 43' W. on a true line bet. sec. 4 and 9.
Ascend E. slope over mountainous land through
scattering sage and greasewood brush undergrowth
and bunch grass
1.00 Sand wash 25 lks. wide, course NW.
2.00 Road to Colaced Arizona bears N.E. and S.W.
10.00 Top of spur bears N. and S. desc.
14.50 Dry sand wash 40 lks. wide 2 ft. deep course N.E. asc.
27.00 Top of sand spur bears N and S. desc.
34.00 Dry sand wash 20 lks. wide 1 ft. deep course N.
desc.
- 40.00. Set an iron post 3 ft. long in. in diam. 26 ins.
in the ground for 1/4 sec. cor. marked on base cap
1/4 S 4 on N. half and S 9 on S. half, from which
A cedar 6 ins. in diam. bears N 84° W 227 lbs. dish. mhd. 1/4 S 4 B.T. and
A cedar 4 ins. in diam bears S 83 1/2° E 351 lbs. dish. mhd 1/4 S 9 B.T.
- 44.15 Road to Navajo's Hogan bears N.W. and S.E.
- 56.00 Top of rocky spur bears N. and S. desc. steeply
- 59.20 Dry ravine course N. asc.
- 63.00 Top of rocky spur bear N and S. desc.
- 65.80 Dry ravine course N., from this point a Spring
of fresh water bears S 100 lks. dish. asc. steeply
- 67.00 Top of rocky spur bear N and S. desc. Enter
scattering Cedar timber bear N. and S.
- 72.60 Dry ravine 10 lks wide course N.W. asc. steep N.E. slope.
- 73.00 Top of spur bears N. and S. Extends 1/2 of line, 200 lks. dit.
like steep W. slope
- 76.00 Dry ravine course N.E. asc.
- 80.00 The cor. of sec. 4, 5, 8 and 9, hereinbefore described.
Land mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar.
Mountainous land 80.00 Chv.

NOTE At the 1/4 sec. cor. bet. sec. 4 and 9, ^{described above} I set off 21° 52 1/2'
N. on the decl. arc. and at noon observe the sun

BOOK 2583

on the meridian the resulting latitude being 34° 35' N.

N 0° 03' W, 1/2 sec. 4 and 5.

Descend steep N. slope of mesa over stony mountainous land through scattering cedar, timber, sage and greasewood brush undergrowth and bunch grass

19.32 Mouth of descent in dry ravine 25 lbs wide 2 ft deep. Course N.W. Leave mountainous land bears N.W. and S.E., enter rolling sandy land bears N.W. and S.E. descend gradually.

20.10 Leave timber bears N.W. and S.E.

31.57 Road to Spring in sec. 18 T 25 N. R 19 E. bears N.W. and S.E.

35.92 Dry sand wash 10 lbs wide, 2 ft deep. Course N.W.

40.00 Show iron post, 3 ft long 7 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap. 1/4 S 50 W. half and 3/4 on E half.

Dig pits 18 x 18 x 12 ins. N and S. of post. 3 ft dish. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

48.26 Road to Nara to Hogan near center of sec. 5.

67.32 Road to Spring in sec. 18 T 25 N. R 19 E. bears E and W.

82.84 Intersect N. line of T₁ 11.33 Ch. West of the cor. of sec. 4, 5, 32 and 33, ^{recently established by me & described in Exterior Book "B"} 1/2 sec. cor. marked on brass cap. 26 ins in diam 24 ins in the ground for closing

Cor of sec 4 and 5 marked on brass cap. C.C. T 26 N. R 19 E S 32, S 33 in N. half, S 4 in S.E. and S 5 in S.W. quadrant.

Dig pits 24 x 18 x 12 ins. crosswise on each line E and W. 3 ft. and S. of post 7 ft. dish. and raise a mound of earth 4 ft. base, 2 ft. high. S. of cor.

I changed the cor. of sec. 4, 5, 32 and 33 from a cor. common to four sec. to a cor. common to two sec. for the township on the north.

Land rolling and mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber Cedar

Mountainous land 1982 Chs. May 31st 1910

May 24th 1910. Ab. 7 15th am 1 l.m.t. Deb off 35° 30 1/2' N. on

Subdivision of T₂₅ N₆ R₁₉ E.

37

Chain

- the lat arc. $20^{\circ}41\frac{1}{2}'$ N on the decl arc. and determine a meridian with the solar on the Standard Cor. of Recs. 31 and 32. on the S bdy of the ^{recently} re-established by me & described in Standard Book "G" ~~the~~ ^{thence} ~~draw~~
- $N 10^{\circ}03' W$. bet. recs 31 and 32.
- Ascend steep rocky S.E. slope over stony mountainous land through scattering cedar timber and bunch grass
- 17.20 Top of stony spur bears E and W, desc. steeply over N slope
- 20.82 Dry rocky ravine 15 lks. wide 40 ft. below top of spur course East. asc.
- 37.40 Top of spur bears E and W, desc. over N.E. slope
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 31 on W. half and S 32, on E. half from which.
- A cedar 8 ins. in diam. bears $N 22\frac{1}{2}^{\circ} E$ 81 lks. dist. marked $\frac{1}{4}$ S 32 B.T.
- A cedar 10 ins. in diam. bears $S 87\frac{1}{4}^{\circ} W$ 132 lks. dist. marked $\frac{1}{4}$ S 31 B.T.
- 45.82 Dry sand wash 10 lks. wide course E asc.
- 48.30 Top of sand spur bears E and W, desc. N. slope.
- 70.50 Dry sand wash 10 lks. wide course N.E. asc.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins in the ground for cor. of recs. 29, 30, 31 and 32 marked on brass cap T₂₅ N₆ S 30 in N.W., R₁₉ E S 29 in N.E. S 32 in S.E. and S 31 in S.W. quadrants from which.
- A cedar 18 ins. in diam. bears $S 78\frac{3}{4}^{\circ} E$ 37 lks. dist marked T₂₅ N. R₁₉ E S 32. B.T.
- A cedar 14 ins. in diam. bears $S 36\frac{3}{4}^{\circ} W$ 206 lks. dist. marked T₂₅ N. R₁₉ E S 31 B.T. and
- A cedar 12 ins. in diam. bears $N 83\frac{1}{2}^{\circ} W$. 397 lks. dist marked T₂₅ N. R₁₉ E. S 30 B.T., No other trees within limits
- Dig pit 36 X 36 X 12 ins. in sec 29. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. W. of cor. Land mountainous.
- Soil sandy and stony 3rd and 4th rates.
- Timber Cedar
- Mountainous land 80.00 chs.

BOOK 2583

- 40.00 S89°46' E on a random line bet. sec. 29 and 32.
- 80.14 See temp. 1/4 sec. cor.
- 80.14 Intersect N and S. line 8 lks. N. of the cor. of sec. 28
hereinbefore described
29, 32 and 33. ^{Three} ^{Draw}
- S89°43' W. on a true line bet. sec. 29 and 32.
- Ascend N.E. slope of spur over mountainous land through
scattering cedar timber, and sage brush undergrowth.
- 6.30 Top of spur bears N.W. and S.E. desc.
- 8.00 Dry ravine course N. asc.
- 15.00 Top of spur bears N and S. desc.
- 19.75 Dry ravine 10 lks. wide course N40° E. asc. steeply
over E. slope of Malapi Butte.
- 40.07 See an iron post 3 ft. long, 1 in. in diam. 26 in. in the
ground for 1/4 sec. cor. marked on head cap 1/4 S 29
on N. half and 3 32 on S. half. from which
A cedar 10 in. in diam. bears N62 1/2° W 235 lks. in
marked 1/4 S 29 B.T. No other trees within limits.
Dig pits 18 x 18 x 12 in. E and W. of post. 3 ft. dia. and
have a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of
Cor.
- 44.50 Top of Malapi Butte 50 ft. above 1/4 sec. cor. bears N.E.
and S.W. desc over N.W. slope
- 64.58 Dry ravine 20 lks. wide course N.W. asc.
- 66.73 Old wood road bears N and S.
- 68.20 Dry sand wash. 15 lks. wide course N. asc.
- 73.00 Top of sandy spur bears N and S. desc.
- 78.33 The same sand wash. course N.W. asc.
- 82.14 The cor. of sec. 29, 30, 31 and 32, hereinbefore described.
Land mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar
mountainous land 80.14 Ch.

NOTE Ch. this cor. & set off 20° 43' N. on the decl. arc and
at noon observe the sun on the meridian, the
resulting latitude being 35° 31 1/2' N.

- S89°46' W. on a random line bet. sec. 30 and 31
- 40.00 See temp. 1/4 sec. cor.
- 77.35 Intersect W. side of Np. 10 lks. S. of the cor. of sec.
25-30, 31 and 36. ^{recently established by me & described in Exterior Book "F"}
^{Three} ^{Draw}
- S89°42' E on a true line bet. sec. 30 and 31

Chains

Subdivision of N^o 25 N^o R 19 E

39

- Ascend steep S.W. slope over stony mountainous land through scattering cedar timber and sage brush undergrowth and bunch grass.
- 6.55 Top of rocky spur bears N and S. desc. E and S.E. slope.
- 31.88 Road to Comar Spring. bears N.E. and S.W., in bed of dry sand wash. 500 lbs wide course S.W. are
- 37.35 The point for the $\frac{1}{4}$ sec. cor. falls in the bed of sand wash., where natural causes would insure the destruction of the cor. therefore I continued my line, ascend N.W. slope, and ab.
- 38.30 Saw an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for witness cor. to the $\frac{1}{4}$ sec. cor. marked on bear cap T 25 N, R 19 E S 30 on N. half. S 31 on S. half. and W.C. $\frac{1}{4}$ in W. half., from which. A cedar 25 ins. in diam bears N 47 $\frac{1}{2}$ W. 177 lbs. dist. marked W.C. $\frac{1}{4}$ S 30 B.T. and A cedar 10 ins. in diam bears S 7 $\frac{1}{2}$ E 148 lbs. dist. marked W.C. $\frac{1}{4}$ S 31 B.T.
- 42.55 Top of rocky spur bears N and S desc. E slope.
- 51.55 Dry ravine 50 ft. below top of spur. Course N. are.
- 54.97 Top of spur. bears N and S., extends 2 chs N. of line desc. E. slope.
- 60.05 Dry rocky ravine 20 ft. below top of spur. course N. are.
- 70.05 Top of sand spur. bears N.E. and S.W. desc. S.E. slope.
- 77.35 The cor. of secs. 29, 30, 31 and 32, hereinbefore described. Land mountainous. Soil sandy and stony 3rd and 4th rate. Timber Cedar. Mountainous land 77.35-Chs.
-
- N^o 03' W. bet. secs. 29 and 30.
- Descend N.E. slope over mountainous land through scattering cedar timber and sage brush undergrowth and bunch grass
- 6.12 Dry sand wash 10 lbs. wide course West. are
- 10.17 A point from which a Kangaroo Hog was descent, bears West 180 lbs. dist
- 11.80 Top of spur bears E. and W. desc.
- 20.47 Dry sand wash 20 lbs. wide 3 ft. deep course S.W.

BOOK 2583

- 24.10 Dry sand wash 100 lks wide 2 ft. deep course S.W.
Cross road in bed of Wash. bears N.E. and S.W. asc. S.E. slope.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 30 or
W. half and S 29 or E half. from which.
A cedar 10 ins. in diam. bears S 7° E 115 lks. dist
marked $\frac{1}{4}$ S 29 B.T.
A cedar 12 ins. in diam. bears S 46° W 150 lks. dist
marked $\frac{1}{4}$ S 30 B.T.
- 50.80 Pop of spruce 20 ft. above $\frac{1}{4}$ sec. cor. bears E and W.
Extends 160 lks. E of the line desc.
- 77.00 Dry ravine 40 lks wide course S.E. asc. S.W. slope
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in
the ground for cor. of secs. 19, 20, 29 and 30, marked
on brass cap T₂₅N, R₁₉E S 20. in N.E.
S 29 in S.E. and S. 30 in S.W. quadrants; from which.
A cedar 10 ins in diam, bears N 32 $\frac{1}{2}$ ° E 58 lks. dist.
marked T₂₅N, R₁₉E. S 20 B.T.
A cedar 26 ins. in diam bears S 59 $\frac{1}{2}$ ° E 107 lks. dist.
marked T₂₅N, R₁₉E S 29, B.T.
A cedar 18 ins. in diam. bears S 15° W 16 lks. dist.
marked T₂₅N, R₁₉E, S 30 B.T. and
A cedar 10 ins. in diam. bears N 28 $\frac{1}{2}$ ° W 137 lks. dist.
marked T₂₅N, R₁₉E S 19 B.T.
Land mountainous.
Soil sandy and stony 3rd and 4th rate.
Number Cedars.
Mountainous land 80,000 chs.

May 24th 1910

- May 27th 1910 At 7^h 00^m am ^{l.m.t.} set off. 35° 32' N on the
lat. arc, 21° 14' N on the decl. arc. and determined a
meridian with the solar at the cor. of secs. 19, 20, 29
^{hereinbefore described} and 30. Thence I run
S 89° 43' E. on a random line bet. secs. 20 and 29.
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 80.12 Intersect N. and S. line on the cor. of secs. 20, 21, 28
^{hereinbefore described} and 29. Thence I run
N 89° 43' W. on a true line bet. secs. 20 and 29.
Thence S.W. slope over mountainous land through scattering
cedar timber and sage and greasewood brush undergrowth
and bunch grass.

Chain

43

marked T 25 N., R 19 E., S 20, B.T.

A cedar 12 ins. in diam. bears S 25 1/2° W 81 lbs. dist.

marked T 25 N., R 19 E S 19 B.T. and

A Cedar 7 ins. in diam. bears N 54° W, 205 lbs. dist.

marked T 25 N., R 19 E., S 18 B.T.

Land mountainous,

Soil sandy and stony 3rd and 4th rate.

Timber Cedar.

Mountainous land 80.00 Chs.

S 89° 43' E on a random line bet. sec. 17 and 20

40.00 Set temp. 1/4 sec. cov.

79.92 Intersect N and S. line 8 lbs. S. of the cov. of sec. 16, 17, 20 and 21 ^{hereinbefore described} thence run

N 89° 46' W. on a true line bet. sec. 17 and 20.

Over rolling sandy mesa land through scattering sage and greasewood brush undergrowth and bunch grass.

24.30 Leave rolling land bears N 20° E and S 20° W, Enter broken stony mountainous land, bears N 20° E and S 20° W.

26.90 Sand stone ledge 25 ft. high. bears N 20° E and S 20° W, desc. abruptly over ledge.

27.25 Foot of ledge bears N.E. and S.W. desc. steeply.

34.00 Foot of steep descent, leave mountainous land bears N 30° E and S 30° W., Enter rolling sandy land and scattering cedar timber bears N 30° E and S 30° W.

39.96 Set an iron post 3 ft. long, 1 ins. in diam. 26 ins. in the ground for 1/2 sec. cov. marked on brass cap. 1/4 S 17° on N. half and S 20 on S. half. from which a cedar 12 ins. in diam. bears N. 3 3/4° E 117 lbs. dist. marked 1/4 S 17 B.T.

A cedar 10 ins. in diam. bears S 25 3/4° W. 66 lbs. dist. marked 1/4 S 20 B.T.

59.50 Dry rocky ravine course N 35° W, Leave rolling land bears N.W. and S.E., Enter mountainous land bears N.W. and S.E., ascend steep N.E. slope of round hill.

61.15 Top of ascent on hill 50 ft. high, desc over W. slope.

44

chains

BOOK 2583

- 6360 Dry ravine 60 lks. wide Course N. ase.
- 67.15 Road leading to Spring in sec 18 T 25 N. R 19 E.
bears $N40^{\circ}E$ and $S40^{\circ}W$.
- 79.92 The cov. of. secs. 17, 18, 19 and 20, hereinbefore described.
Land rolling and mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar.
Mountainous land 30.12 chs.
Note: Clouds obscure the sun at noon today rendering an observation for latitude impossible
- May 27th 1910
- May 28th 1910. Ab. 7^h 30^m a.m. ^{l.m.t.} Deb off. $85^{\circ}38'N$. on the lat. arc $21^{\circ}24'N$. on the decl. arc and determine a meridian with the solar at the cov. of secs. 17, 18, 19, and 20, ^{hereinbefore described} thence I run $N89^{\circ}45'W$. on a random line bet. secs. 18 and 19
- 40.00 Deb temp. $\frac{1}{4}$ sec. cov.
- 77.15 Intersect W. bdy. of Twp. 8 lks. S. of the cov. of secs. 13, 18, 19 and 24. ^{recently established by me & described in Exterior Book "D"} Thence I run $S89^{\circ}42'E$ on a true line bet. secs. 18 and 19.
Descend S.E. slope over mountainous land through scattering Cedar timber and sage brush undergrowth.
- 3.05 Dry ravine 20 fh. below cov. Course N.E. ase.
- 11.35 Top of rocky spur bears N.E. and S.W. desc. steep S.E. slope.
- 20.65 Dry ravine 20 lks. wide Course N. ase. W. slope. along bank of dry ravine.
- 37.15 Set an iron post. 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cov. marked on brass cap. $N45^{\circ}18'$ on N. half. and $S19^{\circ}$ on S. half.
Raise a mound of stone 2 fh. base. $\frac{1}{2}$ fh. high. N. of cov. No trees within limits.
Pile impracticable.
- 42.35 Top of spur 40 fh. above $\frac{1}{4}$ sec. cov. bears $N10^{\circ}W$ and $S10^{\circ}E$ desc. steeply.
- 57.15 Dry ravine 30 fh. below top. of spur Course N.E. ase.
- 52.90 Top of spur bears N and S desc. steeply.
- 58.35 A point, from which a spring bears north 150 lks. dist.

- 61.90 Dry rocky ravine 40 ft. deep course N 30° W
asc. steeply.
- 66.85 Top of spur bears bears N and S. desc.
- 77.15 Top of sec. 17, 18, 19 and 20, herein before
described.
Land mountainous
Soil sandy and stony 3^d and 4th rate.
Timber Cedar.
mountainous land 77.15 Chv.

N 0° 03' W. bet. secs. 17 and 18.

Descend N. slope over mountainous land through
scattering cedar timber, sage and greasewood
bush and bunch grass

- 1.15 Road to Spring in Sec. 18. bears E and W
- 2.00 Dry. ravine course W. asc.
- 5.25 Top of stony spur bears E and W. desc. N. slope.
- 29.85 Dry. rocky ravine course N.E. asc.
- 33.50 Top of rocky spur 40 ft. high bears E and W. desc.
- 38.55 The same ravine course N.W. asc. spur
- 40.00 Set an iron post 3 ft. long 1 in. in diam 26 ins. in
the ground for $\frac{1}{4}$ sec. Top marked on bears cap $\frac{1}{4}$
S 18° W. half and S 17° on E. half., for which.
A cedar 8 ins. in diam. bears S 41° E 57 lbs. dist.
marked $\frac{1}{4}$ S 17 B.T. and
A cedar 12 ins. in diam. bears N 77 $\frac{1}{2}$ ° W 57 lbs.
dist. marked $\frac{1}{4}$ S 18 B.T.
- 45.00 Top of rocky spur bears N.E. and S.W. desc N.W.
slope.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins
in the ground for cor. of secs. 7, 8, 17 and 18.
marked on bears cap T 25 N. R 19 E S 7 in N.W., R 19 E
S 8 in N.E., S 17 in S.E. and S 18 in S.W. quadrant.
from which.
A cedar 10 ins. in diam. bears N 52 $\frac{3}{4}$ ° E 283 lbs. dist.
marked T 25 N. R 19 E 38 B.T.
A cedar 10 ins. in diam. bears S 71 $\frac{1}{4}$ ° E 358 lbs. dist.
marked T 25 N. R 19 E, S 17 B.T.
No other trees within limits
Dig pits 24 x 24 x 12 ins. in each sec. N.W. and S.W.
of post. 5 $\frac{1}{2}$ ft. dist and raise a mound of earth
4 ft. base, 2 ft. high. W. of cor.

BOOK 2583

Land mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber Cedar,

Mountainous land 80.00 chs.

NOTE

At this cor. run off $21^{\circ}25'$ N on the decl. arc. and at noon observed the sun on the meridian and obtain on the lab. arc a reading of $35^{\circ}34'$ N.

- 40.00 S $89^{\circ}46'$ E on a random line bet. sec. 8 and 17
 Sep temp $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N and S. line 8 lks. S. of the cor. of sec. 8, 9,
 here before described
 16 and 17. Thence run
 N $89^{\circ}49'$ W. on a true line bet. sec. 8 and 17,
 Ascend gradually S.E. slope over rolling sandy
 mesa land, through scattering cedar timber, and
 sage brush undergrowth
- 5.00 Top of gradual bench on low sand ridge bears
 N.E. and S.W. desc. gradually over N.W. slope.
- 10.77 West edge of mesa bears N and S., hard rolling
 sandy land bears N and S. Enter stony mountainous
 land bears N and S. desc. abruptly over W. slope
- 40.02 Set an iron post 3 ft. long 1 in. in diam., 26 in. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$
 S 8 on N. half. and S 17 on S. half., from which
 A cedar 5 in. in diam. bears N $26^{\circ}4'$ E 190 lks. dist.
 marked $\frac{1}{4}$ S 8 B.T. No other trees within limits.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of
 cor.
- 46.40 Dry ravine 15 lks. wide 25 ft. below $\frac{1}{4}$ sec. cor.
 course N.W. asc. steeply
- 49.00 Top of sandy spur bears N.W. and S.E. desc.
- 69.00 Dry sand wash 10 lks. wide 1 ft. deep. course N.W.
 asc.
- 70.20 Top of sandy spur bears N and S. desc.
- 77.00 Dry ravine 20 lks. wide 2 ft. deep course N.W. asc.
- 80.04 The cor. of sec. 7, 8, 17 and 18, herein before described.
 Land rolling and mountainous.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar
 Mountainous land. 69.27 chs.

- 40.00 N 89° 42' W. on a random line bet. sec. 7 and 18.
Soh temp. $\frac{1}{4}$ sec. cor.
- 77.12 Intersect W. side of N. 3 lks S. of the cor. of sec. 7, 12, 13 and 18, ^{recently estab. by me & described in Exterior Book "F"} Thence I run
S 89° 41' E on a true line bet. sec. 7 and 18.
Ascend W. slope of Malapi Butte over stony mountainous land through scattering sage and greasewood brush and bunch grass
- 23.00 Top of stony spur 100 ft. above cor. bears N 10° W and S 10° E. descend N. E. slope. Enter scattering cedar timber bears N. W. and S. E.
- 37.12 Set an iron post 3 ft. long, 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 7 on N. half and $\frac{3}{8}$ on S. half., from which.
A cedar 4 in. in diam bears N 55° E 330 lks. dist. marked $\frac{1}{4}$ S 7 B. T. and
A cedar 5 in. in diam. bears S 22 $\frac{3}{4}$ ° E 75 lks. dist. marked $\frac{1}{4}$ S 18 B. T.
- 55.25 Dry ravine 15 lks. wide course N. E. asc.
- 59.12 Top of sandy spur bears N. E. and S. W. desc.
- 61.90 Dry sand wash 20 lks. wide 2 ft. deep course N. E. asc.
- 64.60 Top of spur bears N and S desc.
- 68.10 Dry sand wash 25 lks. wide 3 ft. deep course S. asc. W. slope
- 69.37 Road to Spring. in sec 18 T 25 N. R 19 E. bears N and S.
- 77.12 The cor. of sec. 7, 8, 17 and 18, hereinbefore described.
Land mountainous
Soil sandy and stony 3rd and 4th rates.
Timber Cedar
mountainous land 80 1/2 chs.

May 28th 1910

June 1st 1910 ab. 8^h 00 a.m. l.m. l. - Deb off 35° 34' 76
Now the lat. arc. 22° 00' 1/2 N on the decl. arc and
determine a meridian with the solar ab. The
cor. of sec. 7, 8, 17 and 18, ^{hereinbefore described} Thence I run
N 8° 03' W. bet. sec. 7 and 8.
Descend N. W. slope through scattering cedar timber, over mountainous land.

10.55 Dry sand wash. 10 lks. wide 2 ft. deep course N. W.

BOOK 2583

- Leave mountainous land bears N.W. and S.E.
Enter hilly land.
- 14.00 Dry sand wash 20 lks wide 4 ft. deep course Wash.
are. S. slope
- 16.00 Top of sand ridge 10 ft. above wash. bears N.W.
and S.E. desc
- 26.40 Road to Keams Canyon on Arizona bears N.E. and S.W.
- 40.00 Set an iron post. 3 ft. long, 1 in. in diam. 26 in.
in the ground for $\frac{1}{4}$ sec. cor. marked on brass
cap $\frac{1}{4}$ S 7 on W. half and S 8 on E half, from which.
A cedar 8 in. in diam. bears $S 60\frac{1}{2}^{\circ} E$ 137 lks. dist.
marked $\frac{1}{4}$ S 8 B.T. and
A cedar 10 in. in diam. bears $S 26\frac{1}{2}^{\circ} W$ 198 lks.
dist. marked $\frac{1}{4}$ S 7 B.T.
- 45.15 Dry sand wash 15 lks wide 2 ft. deep course N.W.
are.
- 50.70 Road bears N.E. and S.W. leads to Keams Canyon
Arizona
- 57.50 Top of sand ridge bears N.W. and S.E. descend
gradually.
- 80.00 Set an iron post. 3 ft. long 2 in. in diam 24
in. in the ground for Cor. of sec. 5, 6, 7 and 8.
marked on brass cap T 25 N 36 in N.W., R 19 E.
S 5 in N.E. S 8 in S.E. and S 7 in S.W. quadrants
from which.
A cedar 12 in. in diam. bears $N 55^{\circ} E$ 264 lks.
dist. marked T 25 N, R 19 E S 5 B.T. and
A cedar 4 in. in diam bears $S 84^{\circ} E$ 244 lks.
dist. marked T 25 N. R 19 E S 8 B.T.
- No other trees available.
- Dig pits 24 x 24 x 12 in. in each. sec. N.W. and
S.W. of post. $5\frac{1}{2}$ ft. dist. and raise a mound of
earth 4 ft. base, 2 ft. high. W. of cor.
Land hilly and mountainous.
Soil sandy 3rd rate.
Timber Cedar.
mountainous land 10.56 - chs.
- 889° 49' E on a random line bet. sec. 5 and 8.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.88 Intersect N and S. line 18 lks. N. of the cor. of sec.

- hereinbefore described
 4, 5; 8 and 9, Thence Drum
 N 89° 41' W. on a true line bet. sec. 5 and 8.
 Ascend N.E. slope over mountainous land, through
 scattering cedar timber and sage brush undergrowth
- 17.45 Top of spur 75 ft. above cor. bears N and S desc.
- 28.72 Dry sand wash 15 lbs. wide 3 ft. deep course N.W. asc.
- 30.15 Top of spur bears N and S. desc.
- 33.50 Dry ravine course N. asc.
- 39.94 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. 14 6 5 on N. half and 38 on S. half. from which. A cedar 6 ins. in diam. bears N 42° E 99 lbs. dist. marked $\frac{1}{4}$ 3 5 B.T. and
 A cedar 10 ins. in diam, bears S 40 $\frac{1}{2}$ ° E 133 lbs. dist. marked $\frac{1}{4}$ 5 8 B.T.
- 40.20 Top of rocky spur 20 ft. above cor, bears N and S. desc.
- 41.15 Dry ravine course N. asc.
- 57.65 Top of rocky spur bears N.W. and S.E. desc. S.W. slope
- 66.00 Dry ravine 15 lbs. wide course N.W. asc.
- 67.00 Top of spur bears N and S. desc.
- 73.95 Road to Kearns Canyon Arizona bears N and S.
- 77.40 Dry ravine 40 lbs. wide 3 ft. deep. on foot of desc. course N.W. leave mountainous land bears N.W. and S.E. Enter hilly land bears N.W. and S.E. asc. N.E. slope
- 78.75 Top of sand ridge 15 ft. above ravine bears N and S. desc.
- 79.88 The cor. of sec. 5, 6, 7 and 8, hereinbefore described. Land hilly and mountainous. Soil sandy and stony 3^d and 4th rate, Timber Cedar
 Mountainous land. 77.40 chs.
-
- N 89° 41' W. on a random line bet. sec. 6 and 7.
 Set temp. $\frac{1}{4}$ sec. cor.
- 77.04 Intersect W. line, of Twp. 2 lbs. S. of the cor. of. sec. 1, 6, 7 and 12, ^{recently established by me & described in Exterior Book "F,"} Thence Drum
 S 89° 40' E on a true line bet. sec. 6 and 7.

BOOK 2583

- Descend N.E. slope over mountainous land through scattering sage brush under growth and bunch grass
- 12,00 Dry ravine 8 ft. deep 25 lbs. wide course N.E.
- 17,60 Mouth of steep descent in dry sand wash 10 lbs. wide course N.E. Leave mountainous land bears N.W. and S.E., Enter hilly land bears N.W. and S.E. around N.W. slope
- 19,00 Top of sand ridge bears N and S. desc. over N.E. slope
- 37,04 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ 36 on N. half and 37 on S. half. Dig pits 18 x 18 x 12 ins. East W. of post 3 ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 42,45 Dry sand wash 10 lbs. wide 1 ft. deep. course N.E.
- 45,30 Dry sand wash 20 lbs. wide 2 ft. deep course N. ascend gradually.
- 73,10 Road to Keams Canyon Arizona bears N. and S.
- 77,04 The cor. of secs. 5, 6, 7 and 8, hereinbefore described. Land hilly and mountainous. Soil sandy and stony 3rd and 4th rate. No timber
- Mountainous land 17,60. Chs.

No 03' W. 1/4 sec. 5 and 6.

Descend N.W. slope over rolling sandy land, through scattering sage and greasewood brush undergrowth and scattering cedar timber

- 1,00 Leave timber bears N.E. and S.
- 6,00 Dry sand wash 20 lbs. wide 3 ft. deep course N.W.
- 16,70 Dry sand wash 25 lbs. wide 3 ft. deep course W. and S.
- 25,00 The same sand wash 20 lbs. wide 3 ft. deep. course N.E.
- 26,35 The same sand wash 25 lbs. wide 2 ft. deep course N.W.
- 30,60 The same sand wash 25 lbs. wide 3 ft. deep course N.E.
- 38,20 The same sand wash 20 lbs. wide 3 ft. deep course N.W.
- 40,00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ 36 on W. half, and 35 on E. half. Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high

Chains

W. of cor.

82, 36 Intersect N. ldy. of Twp. 10, 92 Ch. West. of the cor. of sec. 5, 6, 31 and 32. ^{presently estab. by me & described in Exterior Book "B"} Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for defining cor. of sec 5 and 6. marked as brass Cop C.C. T. 26 N. 1919 E, S 31, S 32 in N. half., S 5 in S E, and S 6 in S W. quadrant.

Dig pits 24 x 18 x 12 ins. crosswise on each line East W. 3 ft. and S. of post. 7 ft. deep, and raise a mound of earth, 4 ft. base, 2 ft. high. S of cor.

I change the cor. of sec. 5, 6, 31, and 32. from a cor. common to four sections to a corner common to two sections for the Twp on the north.

Land rolling.

Soil sandy 3rd rate.

Timber Cedar

NOTE

June 1st 1910 At the cor. of sec. 5, 6, 7 and 8, ^{hereinbefore described,} S. Set off 22° 01 1/2' N. on the decl. arc and at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 35' N.

June 1st 1910

General Description

This township contains every variety of land from level to mountainous and the soil ranges from 2nd to 4th rate. The soil of the rolling ^{land} along the sand wash which flows through the eastern part of this township is a sandy loam mixed with adobe and is farmed to a small extent at the present by the Navajo Indians. without the aid of irrigation, The soil of the remaining portion of the township is very stony, unfit for agricultural purposes but is covered with a good growth of bunch grass and is valuable for grazing purposes.

Cedar and precious pine timber is found over the mountainous portion of the township, and many of the trees are very large

The township is watered by several springs which the Navajo Indians living in the township have developed for their personal use. The most

BOOK 2583

important of these springs are located in secs 18, 31 and 22, all of which are fresh water springs. There are three Navajo settlements in the township one in sec. 4, one in sec. 22, and one in sec. 31. The land being of a volcanic formation there is no mineral in the township.

Sidney E. Block
U.S. Examiner of Surveys

June 1st 1910

U.S. EXAMINER OF SURVEYS

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Sidney E. Blouh
Examiner of Surveys, United States ~~Deputy Surveyor~~, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision
lines of Twp No. 25 N.; R. No. 19 E. of the Gila and Salt River Base and Meridian showing the respective capacities in which they acted:

- Fred L. Warner Van L. White Compassman, Chainman.
- J. J. White Chainman.
- Chas. L. Shumway Moundman.
- ~~Moundman.~~
- Bertram C. Broome Axman.
- ~~Axman.~~
- William R. Carson Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blouh
Examiner of Surveys, United States ~~Deputy Surveyor~~, in surveying all those parts or portions of the Subdivision lines of Twp No. 25 N.; R. No. 19 E.

of the Gila and Salt River Base and Meridian, Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully ~~surveyed~~ ^{executed}, and the corner monuments established, according to the instructions furnished by the ~~United States Surveyor~~ ^{Commissioner}

- ~~of the General Land Office~~ Van L. White Compassman
- Fred L. Warner Chainman.
- J. J. White Chainman.
- Chas. L. Shumway Moundman.
- ~~Moundman.~~
- Bertram C. Broome Axman.
- ~~Axman.~~
- William R. Carson Flagman.

Subscribed and sworn to before me this 1st
day of June 1910, ~~190~~

Sidney E. Blouh
U.S. Examiner of Surveys



200
54

BOOK 200

EXAMINER OF SURVEYS
FINAL OATH OF UNITED STATES ~~DEPUTY SURVEYOR~~.

I, Sidney E. Blout, ^{Examiner of Surveys} ~~United States Deputy Surveyor~~, do solemnly swear that, in pursuance of ~~Special Instructions~~ received from the Commissioner of the General Land Office, bearing date of the 2nd day of Oct. 1907 and the 15th day of May, 1908, 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~~ ^{Commissioner} of the General Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivisional lines of Twp. No. 25 N., Range 19 E. Ariz.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the ~~United States Surveyor General~~ ^{Commissioner} of the General Land Office in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

See Subdivisional Book "I"

~~United States Deputy Surveyor~~
Examiner of Surveys

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, APR 25 1914

The foregoing field notes of the survey of the Subdivision lines of Township 25 North, Range 19 East of the Gila and Salt River Base and Meridian, Arizona.

executed by Sidney E. Blout, U.S. Examiner of Surveys under Special Instructions from the Commissioner of the General Land Office, dated October 2, 1907 and May 15, 1908, ~~190~~, 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~~
SURVEYOR GENERAL OF ARIZONA

~~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~~