

MAR. 28. 1911

Subdivisional
BOOK-P

FIELD NOTES

BOOK 2594

OF THE SURVEY OF THE

Subdivision lines of Twp. No. 30 North
of Range No. 19 East

of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Sidney E. Blunt, United States ^{Examiner of Surveys}~~Deputy Surveyor~~

Special Instructions from the Commissioner of the General Land Office
Under ~~his Contract No.~~ dated October 2nd 1907 and May 15th 1908

Survey commenced February 26th, 1907

Survey completed March 8th, 1907

NAMES AND DUTIES OF ASSISTANTS.

Van L. White

Compassman

Jay E. Jellich

Chairman

Lafayette Jennings

Chairman

Arthur A. Beard

Chairman

Fred L. Warner

Woundman

Chas L. Shumway

Coxman

Larry Lake May

Flagman

18
15

BOOK 2594

Book No. 2594

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

See Subdivisional Book "M"

WE, _____ and _____
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 _____

_____, *Chainman.*

_____, *Chainman.*

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



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

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



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

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



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

_____, *Flagman.*

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



Survey commenced February 25th 1909. and executed with a W & S. E. Gurley engineers transit No. 10 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. reading to 0' 30" of arc.

In order to test the solar apparatus, by comparing the results of observations made on the sun during am. 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 sec. 15, 16, 21 and 22. T 30 N. R. 19 E. Latitude $35^{\circ} 59' N.$, Longitude $110^{\circ} 18\frac{1}{2}' W.$, I set off $35^{\circ} 59' N.$ on the lat. arc. $9^{\circ} 01' S.$ on the decl. arc. and at 4th 00^m p.m. ^{l.m.t.} determine a meridian with the solar. and mark a point thereof, by a tack driven in a stake set in the ground 5 Chs. N. of my instrument.

At 9th 00^m p.m. l.m.t. I observe Polaris at western elongation, in accordance with the instructions in the Manual, and mark the line thus determined by a tack driven in a peg set in the ground 5 Chs. N. of my instrument.

February 25th 1909

February 26th 1909 At 7th 00^m a.m. ^{l.m.t.} I lay off the azimuth of Polaris, $1^{\circ} 27' 5"$ to the east and mark the meridian thus determined, by a nail driven in the stake set last night on which the meridian falls 0.2 ins. west of the point determined by the solar.

At 7th 15^m a.m. ^{l.m.t.} I set off $35^{\circ} 59' N.$ on the lat. arc., $8^{\circ} 44' S.$ on the decl. arc. and determine a meridian with the solar and mark a point thereof, by a tack driven in the stake already set 5 Chs. N. of my instrument; this point falls 0.2 ins. west of the meridian established by the Polaris observation.

The solar apparatus by p.m. and am. observations defines positions for meridians respectively

about 0'10" east and 0'10" West of the meridian established by the Polaris observation, therefore I conclude that the adjustments of the instruments are satisfactory.

I begin at the cor. of sec. 1, 2, 35 and 36 on the S. side of T 30 N, R 19 E. which I established Feb. 8th 1909. ^{& described in Exterior Book "R"} Latitude $35^{\circ} 56' 40''$ N., Longitude $110^{\circ} 16' 21''$ W. At 8^h 45^m a.m. ^{Local} I set off $35^{\circ} 57'$. Now the lat. are $8^{\circ} 45'$ S. on the decl. arc. and determine a meridian with the solar at the above described cor.

Thence I run

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

Ascend S. slope of ridge over sandy land, through sage brush undergrowth and bunch grass.

9.00 Top of ridge bears E. and W. decl. N. slope

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

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

44.00 Foot of descent in depression, bears N.E. and S.W. drains S.W. ascend S.E. slope of ridge.

55.00 Top of ridge bears E and W. decl. N. slope.

80.00 Set an iron post 3ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 25, 26, 35 and 36 marked on brass cap. T 30 N, S 26 in N.W. R 19 E. S 25 in N.E. S 36 in S.E. and S 35 in S.W. quadrants.

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

Land rolling and hilly.

Soil sandy 2nd and 3rd rate.

No timber.

This cor. is situated at foot of descent in a depression, bears N.E. and S.W., drains S.W.

40.00 N $89^{\circ} 58'$ E on a random line to cor. sec. 25 and 36
Set temp $\frac{1}{4}$ sec. cor.

Subdivision of Twp 30 N, R 19 E

Chains

80.04 Intersect E. line of Twp. 16 lks. N. of the cor. of sec 25, 30, 31 and 36, recently estab. by me & described in ^{Exterior} Book "5"
Thence Drive

N 89° 55' W. on a true line bet. sec 25 and 36.

Ascend S.E. slope of ridge over sandy land.

10.00 Enter scattering cedar and pinon pine timber bears N.E. and S.W.

27.50 Top of sand ridge bears N.E. and S.W. desc. over NW. slope.

32.00 Leaves timber bears N.E. and S.W.

40.02 Set an iron post 3ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 25 on N. half. and S 36 on S half. Dig pits 18x18x12 ins. East W. of post 3ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

80.04 The cor. of sec. 25, 26, 35 and 36, ^{heretofore} described. Land rolling.

Soil sandy 3rd rate.

Timber pinon pine and cedar.

N 0° 01' W. bet. sec. 25 and 26.

Ascend S.E. slope of ridge over rolling sandy land, through sage brush undergrowth and bunch grass.

25.00 Top of ridge bears N.E. and S.W. enter scattering cedar timber bears N.E. and S.W. desc. NW. slope.

40.00 Set an iron post 3ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 26 on W. half and S 25 on E. half. from which.

A pinon pine 8 ins. in diam. bears S 36 1/4° E 106 lks. dist. marked 1/4 S 25 B.T.

A cedar 14 ins. in diam. bears S 68 3/4° W 902 lks. dist. marked 1/4 S 26 B.T.

42.00 Foot of descent in depression, drain S.W. ascend over S.E. slope of ridge.

48.00 Top of ridge bears N.E. and S.W., desc. NW.

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slope over rocky land.
 77.00 Dry ranee course S.W. arc.
 80.00 Set an iron post. 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 T₃₀N. S₂₃ in N.W.
 T₁₉E S₂₄ in N.E. S₂₅ in S.E. and S₂₆ in S.W.
 quadrant, from which.
 A pinion pine 14 ins. in diam. bears N₇₂°E 26 lbs.
 dist. marked T₃₀N. R₁₉E S₂₄ B.T.
 A cedar 12 ins. in diam bears S₅₇°E 57 lbs. dist.
 marked T₃₀N. R₁₉E S₂₅ B.T.
 A cedar 12 ins. in diam, bears S₈₃¼°W 52 lbs.
 dist. marked T₃₀N. R₁₉E S₂₆ B.T.
 A cedar 18 ins. in diam, bears N₇₀°W 140 lbs.
 dist. marked T₃₀N. R₁₉E S₂₃ B.T.
 Land rolling and hilly.
 Soil sandy and stony 2nd and 3rd rate.
 Timber pinion pine and cedar

NOTE.

On this cor I set off 8°43'S. on the decl. arc
 and at 12^h13^m p.m. level observe the sun on
 the meridian, and obtain on the level arc
 a reading of 35°58½' N.

S₈₉°55'E on a random line bet. sec. 24 and
 25
 40.00 Set temp ¼ sec. cor.
 80.10 Intersect E. boundary of T₃₀N. S₂₄ of the cor. of
 sec. 19, 24, 25 and 30, recently estab. by me & described in
 Exterior Book "5"
 Thence Drive
 N₈₉°56'W. on a true line bet. sec. 24 and 25
 ascend S.E. slope over sandy land through
 scattering pinion pine and cedar timber and
 bunch grass.
 10.00 Top of ridge bears N.E. and S.W. decl. over
 N.W. slope.
 40.05 Set an iron post. 3 ft. long. 1 in. in diam. 26 ins.
 in the ground for ¼ sec. cor. marked on brass
 cap ¼ S₂₄ on N. half and S₂₅ on S. half
 from which.
 A pinion pine 8 ins. in diam, bears N₂₁¼°W 75 lbs.

Chain

Subdivision of Pp 30 N. P19 E

dist. marked $\frac{1}{4}$ S 24. B.T.A pinion pine 8 ins. in diam bears S 28 $\frac{3}{4}$ ° W 133lks. dist. marked $\frac{1}{4}$ S. 25 B.T.

51.00 Bottom of dry rocky ravine course N. and.

80.10 The cor. of secs. 23, 24, 25 and 26, heretofore described.

Land rolling hilly and broken.

Soil sandy and stony 2nd 3rd and 4th rate.

Timber pinion pine and cedar.

N 0° 01' W bet sec. 23 and 24

Around S.E. slope over sandy land through scattering pinion pine and cedar timber and brush grass.

1.30 Top of sand ridge bears N.E. and S.W. desc. N.W. slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for cor. marked on bear cap. $\frac{1}{4}$ S 23 on W half and S 24 on E half. from which-A cedar 12 ins. in diam. bears S 35 $\frac{3}{4}$ ° E 77 lks. dist. marked $\frac{1}{4}$ S 24 B.T.A cedar 14 ins. in diam. bears S 47° W 14 lks. dist. marked $\frac{1}{4}$ S 23 B.T.

42.00 Least timber bears N.W. and S.E.

72.00 Foot of descent. land rolling and bears N.E. and S.W., enter level land bears N.E. and S.W.

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 bear cap. T 30 N. S 14 in N.W. P19 E S 13 in N.E. S 24 in S.E. and S 23 in S.W. quadrant.

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 level and rolling.

Soil sandy 2nd and 3rd rate.

Timber pinion pine and cedar.

Subdivision of Twp 30 N, R 19 E.
Chain

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- 89°56' E on a random line bet. sec. 13 and 24
40.00 Set temp 4 sec. cor.
- 80.06 Intersect E bdy of Twp. 5 lks. N. of the cor. of sec. 13, 18, 19 and 24, recently estab. by me & described in Exterior Book "5"
Thence Drive
N 89°54' W. on a true line bet. sec. 13 and 24.
Descend W. slope over rolling sandy land, through sage brush undergrowth and bunch grass.
- 20.00 Enter scattering pinion pine and cedar timber bears N.E. and S.W.
- 34.00 Leave timber bears N and S.
- 40.03 Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the ground for 4 sec. cor. marked on brass cap $\frac{1}{4}$ S 13 on N. half and S 24 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 N. of cor.
- 80.06 The cor. of sec. 13, 14, 23 and 24, here before described.
Land rolling.
Soil sandy 2nd and 3rd rate.
Timber pinion pine and cedar.
-
- N 0° 01' W bet. sec. 13 and 14
Over level sandy land, through sage brush undergrowth and bunch grass.
- 6.00 Leave level land bears E and W., enter rolling land bears E and W., ascend gradually over S slope.
- 32.00 Enter scattering pinion pine and cedar timber bears E and W.
- 40.00 Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the ground for 4 sec. cor. marked on brass cap $\frac{1}{4}$ S 14 on W. half and S 13 on E half from which.
A pinion pine 6 ins. in diam. bears N 75 $\frac{3}{4}$ ° E 40 lks. dist marked $\frac{1}{4}$ S 13 B.T.
A cedar 8 ins. in diam. bears S 88 $\frac{1}{2}$ ° W 118 lks. dist marked $\frac{1}{4}$ S 14 B.T.

Chains

7

54.00 Leave timber bears E and W.
 65.00 Top of ridge bears N.E. and S.W. desc. over
 N.W. slope.
 80.00 Set an iron post 3ft. long, 2 ins. in diam 24
 ins. in the ground for cor. of sec. 11, 12, 13
 and 14, marked on brass cap T 30 N. S 11
 in N.W. R 19 E S 12 in N.E. S 13 in S.E. S 14 in
 S.W. quadrant.
 Dig pits 18x18x12 ins. in each sec. 5 1/2 ft.
 deep, and raise a mound of earth 4 ft.
 tall, 2 ft. high W. of cor.
 Land level and rolling.
 Soil sandy and stony 2nd 3rd and 4th rate.
 Timber pinion pine and cedar.

89° 54' E on a random line bet. sec. 12 and 13
 40.00 Set temp 1/4 sec. cor.

80.14 Intersect E. ldy of Twp. 30 N. N. of the
 cor. of sec. 7, 12, 13 and 18, recently estab. by me &
 Thence Drive described in Exterior Book "5"

N 89° 53' W. on a true line bet. sec. 12 and 13
 Ascend N.E. slope of low ridge over rolling
 land, through scattering pinion pine and
 cedar timber.

8.00 Top of ridge bears N.W. and S.E., leave timber
 bears N and S, desc. gradually over S.W.
 slope.

40.07 Set an iron post 3ft. long 1 in. in diam. 26
 ins. in the ground for 1/4 sec. cor, marked
 on brass cap 1/4 S 12 in N. half and S 13, on
 S half.

Dig pits 18x18x12 ins E and W. of post 3ft.
 deep, and raise a mound of earth, 3 1/2
 ft. tall, 1 1/2 ft. high N. of cor.

80.14 The cor. of sec. 11, 12, 13 and 14, ^{hereinbefore} described.
 Land rolling.
 Soil sandy 2nd and 3rd rate.
 Timber pinion pine and cedar.

February 26th 1909

Subdivision of T₃₀N. R₁₉E
 & Colours

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- March 1st 1909. (Ch. 8th ^{20m. l.m.t.} Am. 1st Sec off 36°00' Now the lab. are. 7°38' 'S on the decl. arc and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14
 Thence Drive (herebefore decided)
 No 01 W. Sec. 11 and 12.
- Ascend S.E. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.
- 18.00 Top of ridge bears N.E. and S.W. desc gradually over N.W. slope.
- 20.00 Leave rolling sandy land bear N.E. and S.W., enter broken stony land bear N.E. and S.W., desc abruptly over N.W. slope
- 23.00 Foot of abrupt descent, leave broken stony land bear N.E. and S.W., enter rolling sandy land bear N.E. and S.W.
- 30.00 Foot of descent in depression drain S.W. are gently
- 40.00 Set an iron post 3ft long 1 in. in diam., 26 ins. in the ground. for $\frac{1}{4}$ sec. Cor. mk'd, $\frac{1}{4}$ S 11 on W half and S 12 on E half.
- Dig pits 18x18x12 ins N and S of post. 3ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft base 1 $\frac{1}{2}$ ft high W. of cor.
- 51.00 Wood road bears N.E. and S.W.
- 58.00 Leave rolling land bear N.E. and S.W., enter broken stony land bear N.E. and S.W. ascend abruptly over S.E. slope.
- 70.00 Top of abrupt rocky ascent, leave stony land bear N.E. and S.W. enter rolling land bear N.E. and S.W.
- 77.00 Begin rapid descent over N. slope.
- 80.00 Set an iron post 3ft long 2 in. in diam., 24 ins. in the ground for cor. of sec. 1, 2, 11 and 12, marked in bears cap T₃₀N. R₁₉E S 1 in N.E. S 12 in S.E. and S 11 in S.W. quadrants from which.
- A cedar 14 ins. in diam. bears N 38 $\frac{3}{4}$ ° E 291 lbs. dia. marked T₃₀N. R₁₉E S 1 B.T.
- A cedar 12 ins. in diam. bears S 54 $\frac{3}{4}$ ° E 263 lbs. dia. marked T₃₀N. R₁₉E S 12 B.T.
- No other trees available.
- Dig pits 24x24x12 ins. in each sec. N.W. and S.W. of post. 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.
- Land rolling and broken

Subdivision of Twp 30 N, R 19 E

Chain

9

Soil sandy and stony 2nd 3rd and 4th rate,
 Timber scattering Cedars near the sec. cor

S 89° 53' E on a random line bet. sec.
 1 and 12.

40.00 Set temp ¼ sec. cor.

80.14 Intersect E. ldy. of Twp. 18 lks. S. of the
 cor. of sec 1, 6, 7 and 12, recently estab. by one &
 Thence I run described in Exterior Book "5"

S 89° 59' W. on a true line bet. sec.
 1 and 12.

Ascend E slope over rolling sandy land
 through scattering pinion pine and
 cedar timber

2.00 Leave rolling sandy land bears N and
 S. Enter broken stony land bears
 N and S. asc. abruptly.

5.00 Top of abrupt ascent. Leave broken
 stony land bears N and S., enter
 rolling sandy mesa land bears
 N and S.

10.00 Leave rolling sandy mesa land
 bears N.E. and S.W., descend
 abruptly over broken stony land
 bears N.E. and S.W.

16.00 Foot of abrupt rocky descent,
 leave stony land bears N.E. and
 S.W., enter rolling sandy land
 bears N.E. and S.W.

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

20.76 Dry ravine course S.W., ascend
 gradually over S.E. slopes.

40.07 Set an iron post 3 ft. long 1 in.
 in diam. 26 ins. in the ground
 for ¼ sec. cor. marked on bears
 Cap. ¼ S. 1 on N. half and S 12
 on S half.

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- Dig pits $18 \times 18 \times 12$ 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.
- 58.00 Top of rocky spur from N and S. descend steeply.
- 70.00 Foot of descent. in depression from N and S., enter scattering pine and cedar timber from N and S. ascend E slope of ridge over stony land.
- 76.00 Leave stony land from N and S. enter rolling sandy land from N and S.
- 80.14 The cor. of sec 1, 2, 11 and 12, ^{hereinbefore} described. Land rolling and broken. Soil sandy and stony 2nd 3rd and 4th rate. Timber pine and cedar.
-
- $\text{W} 0^{\circ} 01' \text{W}$ on a random line bet. sec 1 and 2.
- 40.00 Sub temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. boundary of $\text{N}^{\circ} 2$ lks. $\text{N} 89^{\circ} 58' \text{W}$ of the cor. of sec 1, 2, 35 and 36 recently established by me and described in Exterior Book "5" three $\frac{1}{4}$ sec. South on a true line bet. sec 1 and 2.
- Descend S. slope over rolling sandy land through scattering cedar timber and sage bush undergrowth.
- 10.00 Leave rolling sandy land from E and W., descend abruptly over broken stony land from E and W.
- 14.00 Foot of abrupt. stony descent. Leave stony land from E and W. enter rolling sandy land from N.E and S.W.
- 16.00 Foot of descent in depression

Subdivision of Twp 30 N, R 19 E

Chain

11

30.00 bears N.E. and S.W. drains to the S.W.
Ascend gradually over N.W. slope
Top of ridge bears E. and W. due.
over S 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 2 on W half, and S 1
on E half, from which.
A cedar 6 ins. in diam. bears
S 52 $\frac{1}{4}$ ° W 211 lks. dist, marked $\frac{1}{4}$
S 2 B.T.

No other trees available

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

70.00 Top of ridge bears N.E. and S.W.
Descend over S.W. slope.

80.00 The cor. of secs 1, 2, 11 and 12, ^{hereinbefore} described.
Land rolling hilly and broken
Soil sandy and stony 2nd 3rd
and 4th rates.

Pinus Cedar

NOTE

At the $\frac{1}{4}$ sec. cor. bet. secs. 1 and
2, ^{above described.} S. of. 7° 35' S on the decl.
arc. and at 12^h 12 $\frac{1}{2}$ m p.m. I. m. l.
observe the sun on the meridian
and obtain on the latitude.
arc a reading of 36° 0 $\frac{1}{2}$ ' N,
for the latitude of this place
which is about 0 $\frac{1}{2}$ ' higher
than the proper latitude.

March 1st 1909

BOOK 2594

February 27th ¹⁹⁰⁹ At 7^h00^m am ^{cont.} set off 35^o57'
 from the lab arc, 8°21' S on the decl. arc, and
 determine a meridian with the solar on the
 cor of sec. 2, 3, 34 and 35 on the S side of the T₃₀N
 recently estab. by me and described in Exterior Book P^R
 Thence Thence

W 001 W. to sec 34 and 35.

Ascend S.E. slope over sandy land through
 scattering cedar timber.

- 4.00 Dry ravine 10 lbs. wide 2 ft. deep course S.E.
- 18.00 Top of ridge bears N.E. and S.W. desc over N.W.
 slope.
- 20.00 Dry ravine course S.E. arc.
- 34.00 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 base
 cap 43 34 on W. half and 35 on E. half.
 Dig pits 18x18x12 ins. N and S of post. 3 ft. dia.
 and raised mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$
 ft. high W of cor.
- 56.00 Top of high rocky ridge bears N.E. and S.W.
 desc. over N.W. slope.
- 75.00 Enter scattering pinion pine and cedar
 timber bears E and W.
- 79.50 Sandstone ledge 10 ft. high bears N.E. and S.W.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24
 ins. in the ground for cor. of sec. 26, 27, 34 and
 35, marked on base cap T₃₀N, S₂₇ in N.W.
 R₁₉E S₂₆ in N.E. S₃₅ in S.E. and S₃₄ in S.W.
 quadrant, from which
 A pinion pine 10 ins. in diam. bears N 33 $\frac{1}{2}$ ° E 106
 lbs. dia. marked T₃₀N, R₁₉E S₂₆ B.T.
 A pinion pine 8 ins. in diam. bears S 29 $\frac{1}{2}$ ° E 98
 lbs. dia. marked T₃₀N, R₁₉E S₃₅ B.T.
 A pinion pine 10 ins. in diam bears S 41 $\frac{1}{2}$ ° W
 8 lbs. dia. marked T₃₀N, R₁₉E S₃₄ B.T.

Subdivision of Twp. 30 N. R 19 E

Chain

A pinion pine 4 ins in diam bears N. 67° W 86 lks
 dist. marked T 20 N. R 19 E S. 27 B.T.
 Land rolling hilly and broken.
 Soil sandy and stony 2nd, 3rd and 4th rate.
 Timber pinion pine and cedar.

40.00 V 89° 58' E on a random line bet. sec 26 and 35
 1/4 sec. cor.

79.92 Intersect N and S line 5 lks. N. of the cor. of
 sec 25, 26, 35 and 36; hereinafter described,
 Thence S run.

West on a true line bet. sec. 26 and 35
 Ascend S.E. slope over rolling sandy land
 through sage brush undergrowth and
 bunch grass.

8.00 Enter scattering pinion pine and cedar timber
 bears N.E. and S.W

39.96 Set an iron post 3 ft. long in diam., 26
 ins. in the ground for 1/4 sec. cor. marked
 on bear cap 1/4 S 26 on N. half and S 35 on S.
 half; from which.

A pinion pine 12 ins. in diam.; bears N 58 1/2° E
 149 lks. dist. mkd 1/4 S. 26 B.T.

A cedar 14 ins. in diam. bears S 52 1/4° E 144
 lks dist mkd 1/4 S 35 B.T.

70.00 Top of ridge bears N.E. and S.W. desc. over
 stony N.W. slope.

79.75 Sand stone ledge 10 ft. high bears N.E. and
 S.W.

79.92 The cor. of sec 26, 27, 34 and 35, hereinafter described.
 Land rolling, broken and hilly.

Soil sandy and stony 3rd and 4th rate.
 Timber pinion pine and cedar.

N 0° 01' W. bet. sec 26 and 27

Descend N.W. slope over hilly sandy land
 through scattering pinion pine and cedar timber

13.00 Pre-ranine course N.W. asc.

Subdivision of T₄ 30 N. R 19 E

14

Chains

BOOK 2594

- 16.50 Top of ridge bears N.W. and S.E. desc.
- 18.00 Dry ravine Course N.W. asc.
- 24.00 Top of ridge bears N.W. and S.E. desc.
- 40.00 Set an iron post. 3 ft. long, 1 in. in diam. 20 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 27 on W. half and S 26 on E half. from which.
- A Cedar 12 ins. in diam. bears S $79\frac{1}{4}$ W 235 lbs. dirt marked $\frac{1}{4}$ S 27 B.T.
- No other trees available.
- Dig pits 18x18x12 ins N and S of post 2 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft high W. of cor.
- 50.25 Dry ravine Course N.W. asc.
- 51.00 Leave timber bears N.W. and S.E.
- 54.00 Top of ridge bears N.W. and S.E. desc.
- 80.00 Set an iron post. 3 ft. long, 2 ins. in diam. 24 ins. in the ground, for cor. of secs. 22 23 26 and 27, marked on brass cap T 30 N. S 22 in N.W. 1 R 19 E S 23 in N.E. S 26 in S.E. and S 27 in S.W. quadrant.
- 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.
- Soil hilly.
- Soil sandy and stony 3^{rd} and 4^{th} rates.
- Timber pinion pine and Cedar.
-
- East on a random line beth secs. 23 and 26
- 40.00 Set temp $\frac{1}{4}$ sec. cor
- 79.94 Intersect N. and S. line 8 lbs. N. of the cor. of secs. 23, 24, 25 and 26, heretofore described.
- Thence S run
- ON 89° 57' W on a true line beth secs. 23 and 26 descend N.W. slope over rolling sandy land through scattering pinion pine and Cedar timber and thick grass.
- 15.00 Foot of descent in depression drains S.W. ascend gradually over S.E. slope.
- 20.00 Top of ridge bears N and S desc. W. slope

Chain

- 31.00 Leave timber trees N. and S.
 39.97 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 N. half and S 26 on S. half. Dig pits 18 x 18 x 12 ins. East W. of post. 3 ft. deep, and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high. N. of cor.
 79.94 The cor. of secs 22, 23, 26 and 27, hereinbefore described.
 Land rolling
 Soil sandy 2nd and 3rd rate.
 Timber pine or pine and cedar.

N^o 01 Wth Secs. 22 and 23

Descend gradually over N.W. slope, through sage brush and bunch grass.

- 32.00 Road from Placca Ariz to Chin Lee, Ariz
 Leave N.E. and S.W.
 39.50 Dry ravine course W. around gently
 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 on W half and S 23 on E half.
 Dig pits 18 x 18 x 12 ins N. and S of post. 3 ft. deep 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. I set off 8° 20 $\frac{1}{2}$ ' S on the decl. arc, and at 12 h 13^m p.m. I. m. l. observed the sun on the meridian, the resulting latitude being 35° 59' N. nearly
 80.00 Set an iron post 3 ft. long 2 in. in diam 24 ins. in the ground, for cor. of secs., 14, 15, 22 and 23. marked on brass cap T 30 N. 315 in N.W., R 19 E S 14 in N.E. S 23 in S.E. and S 22 in S.W. quadrants
 Dig pits 18 x 18 x 12 ins. in each sec 5 $\frac{1}{2}$ ft. deep, and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
 Land rolling.
 Soil sandy 2nd and 3rd rate.

BOOK 2594

No timber.

89° 57' E on a random line bet. sec. 14 and 23
40.00 Sep temp 4 sec. cor.

79.90 Intersect N and S. line 8 lks. S. of the cor of sec
13, 14, 23 and 24, heretofore described,
Thence S run

West on a true line bet. sec. 14 and 23.

Over level sandy land through sage brush under
growth and bunch grass.

35.00 Dry ravine 20 lks. wide 8 ft deep course N.W.

39.95 Set an iron post 3 ft long in in diam 26 ins.
in the ground, for 1/4 sec. cor. marked on base
cap. 4 S 14 on N half and S 23 on S half.

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

41.50 Road from Polacca Ariz to Chin Lee Ariz
bear N.E. and S.W.

43.00 Level land bear N.E. and S.W. enter
rolling sandy land bear N.E. and S.W. and
gradually over S.E. slope.

61.00 Top of low ridge bear N.E. and S.W. desc.
gently over N.W. slope.

79.90 The cor. of sec. 14, 15, 22 and 23, ^{heretofore} described.
Land level and rolling.

Soil sandy 2nd and 3rd rate.

No timber.

N 0° 01' W. bet. sec. 14 and 15.

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

24.00 Descend abruptly over broken stony land.

26.00 Dry ravine course S.W. over S slope over stony
land.

28.00 Sand stone ledge 8 ft high bear S and W.

30.00 Top of ridge bear N.E. and S.W. desc gradually

Subdivision of Twp 30 N, R 19 E.

Chain

17

- over NW slope
- 35.00 Begin abrupt descent over NW slope over sand stone ledges
- 36.50 Part of abrupt rocky descent, leave stony land toward NE and SW enter level adobe land toward NE and SW.
- 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 base cap. $\frac{1}{4}$ S 15 on W. half and S 14 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.
- 51.00 Dry ravine 25 lbs. wide, 6 ft. deep course SW.
- 80.00 Set 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 base cap. T 30 N, S 10 in NW, T 19 E S 11 in NE, S 14 in SE and S 15 in SW. 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 level broken and rolling
- Soil sandy adobe and stony 2nd 3rd and 4th rate.
- No timber
-
- Cast on a sandstone line bet. sec. 11 and 14.
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N and S. line at the cor. of sec. 11, 12, 13 and 14, heretofore described,
- Thence Draw
- Walk on a true line bet. sec. 11 and 14
- Descend SW slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass.
- 24.00 Leave rolling land toward NE and SW. Enter stony land and scattering pinion pine and cedar timber toward NE and SW.
- 26.00 Dry ravine course SW. asc.
- 39.95 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on base. Cap. $\frac{1}{4}$ S 11 on N. half and S 14 on S. half. From which
- A pinion pine 20 ins. in diam. toward N 2° E 88 lbs. dia. marked $\frac{1}{4}$ S 11 B.T.
- A pinion pine 18 ins. in diam. toward S 5° E 22 lbs. dia. marked $\frac{1}{4}$ S 14 B.T.
- 40.50 Part of steep descent, leave stony land toward NE and SW toward timber toward NE and SW

Subdivision of T₃₀N. R₁₉E.

18

Chained

BOOK 2594

49.25 Road from Placea to Chindlee Ariz. head N and S.
79.90 The cor. of sec. 10, 11, 14 and 15, heretofore described.
Land level rolling and broken.
Soil sandy and stony 2nd 3rd and 4th rate,
Timber scattering pinon pine and cedar

February 27 1909

March 1st 1909
At 1^h 15^m p.m. l.m.t.
D. set off. 36° 00' N. on
the lat. arc 7° 34' S on the decl. arc. and
determine a meridian with the solar at the
cor. of sec. 10, 11, 14 and 15, heretofore described.
Thence run

N 0° 01' W. bet. sec. 10 and 11

Over level sandy and adobe bottom land through
sage and greasewood brush undergrowth and
 bunch grass.

- 6.50 Dry ravine 30 lbs. wide, 6 ft. deep. course S.W.
29.00 Level adobe land head N.E. and S.W., enter
stony land head N.E. and S.W., ascend S.E. slope.
32.00 Top of rocky ascent head N.E. and S.W. leave hilly land.
head N.E. and S.W., enter level land head 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.
S 10 on W. half and S 11 on E half.
Dig pits 18 x 18 x 12 in. 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.
47.00 Leave level land head E and W., enter stony
hilly land head E and W. desc. on N. slope.
59.00 Top of descent in depression head E and W. drain
to the East, ascend S. slope of ridge
68.00 Enter scattering pinon pine and cedar timber
head E and W.
77.00 Top of ridge head E and W., desc. N. slope.
80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in.
in the ground for cor. of sec. 2, 3, 10 and 11, mkd.
on brass cap. T 30 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. quadrant from which
A cedar 8 in. in diam. head N 13 $\frac{3}{4}$ ° E 71 lbs. dist. marked
T 30 N. R 19 E S 2 B.T.
A cedar 24 in. in diam head S 32° E 290 lbs. dist. mkd.
T 30 N. R 19 E S 11 B.T.

Subdivision of Pp 307, R198

Chains

19

A cedar 8 ins. in diam bears $S 57\frac{1}{2}^{\circ} W. 172$ lks.
dist, marked T 30 N, R198 S 10 B.T. and.
A cedar 8 ins. in diam, bears $N 85\frac{1}{2}^{\circ} W. 70$ lks. dist.
marked T 30 N, R198 S 3 B.T.

Land level and rolling and hilly.
Soil sandy 2nd and 3rd rate.
Timber scattering pinion pine and cedar.

- 40.00 Cash on a random line bet. sec. 2 and 11
Set temp $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N and S. line on the cor. of sec. 1, 2, 11
and 12, heretofore described,
Thence Drive
- 32.00 Walk on a true line bet. sec. 2 and 11
Descend N.W. slope over rolling sandy land, through
through scattering pinion pine and cedar timber
- 40.00 Top of descent leave rolling land and timber
bears N.E. and S.W., enter level land 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 $\frac{1}{4}$ 32 on N. half and 311 on S. half.
Dig pits 18 x 18 x 12 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 N. of cor.
- 42.50 Road from Placea Ariz to Chin Lee Ariz
bears N.E. and S.W.
- 62.50 Dry ravine 25 lks wide 6 ft. deep course S.W.
- 66.00 Leave level land bears N.E. and S.W. enter
broken stony land and scattering pinion
pine and cedar timber bears N.E. and S.W.,
Ascend abruptly,
- 68.00 Top of abrupt rocky ascent, leave broken
stony land and timber bears N.E. and
S.W., enter rolling sandy land bears
N.E. and S.W. ascend gradually over N.E.
slope
- 80.00 The cor. of sec. 2, 3, 10 and 11, heretofore described.
Land level rolling and broken

Subdivision of Twp 30 N, R 19 E

BOOK 2594

Soil sandy and stony 2nd 3rd and 4th rate
 Timber pinion pine and cedar.

- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.98 Intersects N. bdy of Twp 5 hrs $58^{\circ} 58' E$ of the cor.
 of sec. 2, 3, 34 and 35, recently estab. by me & described
 in Exterior Book "5"
 Thence Drun
 $80^{\circ} 03' E$ on a true line bdy. sec 2 and 3 -
 descend S.E. slope over hilly land, through
 scattering pinion pine and cedar timber and
 bunch grass
- 22.00 Sandstone ledge 6 ft. high. bear N.E. and S.W.
 leave timber bear N.E. and S.W.
- 23.00 Foot of sand stone ledge, leave hilly land.
 bear N.E. and S.W. enter rolling land bear
 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 4 53 on W half and 32 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.
 bare $1\frac{1}{2}$ ft. high. W of cor.
- 55.00 Bottom of dry wash. course S.E. are.
 gently over N.E. slope.
- 64.00 Enter scattering pinion pine and cedar
 timber bear N.E. and S.W.
- 70.00 Leave timber bear N.E. and S.W.
- 79.98 The cor. of sec. 2, 3, 10 and 11, heretofore described.
 Land rolling and hilly.
 Soil sandy and stony 2nd 3rd and 4th rate.
 Timber pinion pine and cedars.

March 1st 1909

March 2nd ¹⁹⁰⁹ at 7^h 15^m am. ^{2 m. S.} I set off. 35 57
 N. on the lat. arc. $7^{\circ} 14' S$ on the decl. arc
 and determine a meridian with the solar
 alt. the cor. of sec. 3, 4, 33 and 34 on the
 S bdy of the Twp. recently estab. by me & described
 in Exterior Book "R"

Subdivision of Tp 30N, R19E

Chains

21

Thence Draw.

N $70^{\circ}02'W$ 2' W. Secs 33 and 34

Acres S.E. slope over rolling sandy land through sage brush and scattering bunch grass

34.00 Road to Polacca Ariz bears N.E. and S.W.

35.00 Enter scattering pinion pine and Cedar timber bears N.E. and S.W.

40.00 Set an iron post 3ft. long in a draw. 26 ins. in the ground for 4 sec. cor. marked on brass cap $\frac{1}{4}$ S 33 on W. half and S 34 on E half from which.A pinion pine 6 ins. in diam. bears N $18^{\circ}E$ 64 lks. dist. marked $\frac{1}{4}$ S 34 B.T.A pinion pine 12 ins. in diam. bears N $82^{\circ}W$ 47 lks. dist., marked $\frac{1}{4}$ S 33 B.T.

43.00 Sand stone ledge 15 ft. high. bears N.E. and S.W.

49.00 Top of rocky ledge bears N.E. and S.W. desc. over N.W. slope.

49.50 Sand stone ledge 10 ft. high. bears N.E. and S.W.

68.00 Leave stony land and timber bears N.E. and S.W. enter rolling sandy land bears N.E. and S.W.

80.00 Set an iron post 3ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of sec. 27, 28, 33 and 34 marked on brass cap T 30N, S 28 in N.W., R 19E S 27 in N.E., S 34 in S.E. and S 33 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 rolling and hilly.

Soil sandy and stony 2nd 3rd and 4th rate.

Timber pinion pine and Cedar.

N $89^{\circ}58'E$ on a random line Secs. 27 and 34

Subdivision of M^o 3071, 7192

22

Chains

BOOK 2594

- 40.00 Set temp. 4 sec. cor.
- 80.04 Intersect N and S line 8 lks. N. of the cor. of
secs. 26, 27, 34 and 35; heretofore described,
Three Iron
N 89° 57' W, on a true line beth secs 27 and 34
Descend NW. slope over rolling sandy land
through scattering pinion pine and cedar
timber and bunch grass.
- 27.70 Sandstone ledge 20 ft. high. bears NE and
SW.
- 40.02 Set an iron post. 3 ft. long 1 in. in diam.
26 ins. in the ground for 4 sec. cor. marked
on brass cap 1/4 S 27 on N. half. and 3 34
on S half. From which,
A pinion pine 10 ins. in diam. bears N 31 1/2° E
160 lks. dist. marked 1/4 S 27 B.T.
A cedar 8 ins. in diam. bears S 17 1/2° E. 139
lks. dist. marked 1/4 S. 34 B.T.
- 44.25 Road from Placea Ariz to Chewee
Ariz bears N.E and S.W.
- 61.00 Dry ravine 10 lks. wide 4 ft. deep. Course
N.W.
- 71.00 Bear timber bears NE and SW.
- 80.04 The cor. of secs. 27, 28, 33 and 34; heretofore
described.
Land rolling and broken.
Soil sandy and stony 2nd and 3rd and 4th side.
Timber pinion pine and cedar.
-
- N 0° 02' W beth secs. 27 and 28
Descend NW slope over rolling sandy land.
through sage brush, undergrowth and
bunch grass.
- 40.00 Set an iron post. 3 ft. long 1 in. in diam.
26 ins. in the ground for 4 sec. cor. marked
on brass cap 1/4 S. 28 on W half. and
3 27 on E half.
Dig pits 18 x 18 x 12 ins. N and S of post.
3 ft. dist. and raise a mound of earth
3 1/2 ft. high, 1 1/2 ft. high. W of cor.
- 49.75 Road from Placea Ariz to Chewee

Subdivision of T₃₀N, R₁₉E

Chain

23

80.00 Ariz bears N.E. and S.W.
 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 on brass cap
 T₃₀N. S₂₁ in N.W. R₁₉E S₂₇ 2 in N.E.
 S₂₇ in S.E. and S₂₈ in S.W. quadrants.
 Dig pits 18x18x12 ins. in each. sec 5 1/2
 ft. dia. and raise a mound of earth
 4 ft. high; base 2 ft. W. of cor.
 Land rolling.
 Soil sandy 2nd and 3rd rate.
 No timber.

40.00 S_{89°57'E} on a random line bet sec 29 and 27
 Set temp to sec. cor.

79.96 Intersect N and S line 5 lks. N of the cor. of
 sec. 22, 28, 26 and 27, heretofore described,
 Thence Down.

N_{89°57'W}, on a true line bet sec 22 and 27
 Descend N.W. slope over rolling sandy land
 through sage and greasewood brush and growth
 and bunch grass.

23.50 Road from Place a Ariz to Chin Lee Ariz
 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.
 S₂₂ on N. half. and S₂₇ on S. half.

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

NOTE Ob. this cor. Dash. off 7°12'S. on the decl.
 arc. and at 12 1/2 m. p.m. l.m. observed
 the sun on the meridian. the resulting
 latitude being 35°58 1/2' N.

46.00 Dry ravine crosses N.W. ascend S.E. slope.

75.00 Top of ridge bears N.E. and S.W. desc. over
 N.W. slope.

79.96 This cor. of sec. 21, 22, 27 and 28; heretofore
 described.
 Land rolling and hilly.
 Soil sandy 2nd and 3rd rate.

BOOK 2594

No timber.

N60°02'W Feb. sec 21 and 22

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

20.00 Leave rolling land bear N.E. and S.W., enter stony land bear N.E. and S.W. descend abruptly

21.50 North of abrupt descent, leave stony land bear N.E. and S.W. enter level sandy land bear N.E. and S.W.

40.00 Set an iron post, 3 ft long 1 in. in diam, 26 ins. in the ground for 4 sec. cor. marked on brass cap 4321 on W half and 322 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.

40.75 Dry canal course S.W., ascend S.E. slope

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 30 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. quadrant

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

Land level rolling and broken.

Soil sandy and stony, 2nd 3rd and 4th rates.
No timber.

S 89°57'E on a random line Feb. sec 15 and 22

40.00 Set temp. 1/2 sec. cor.

79.96 Intersect N and S. line 5 lks. N. of the cor. of sec 14, 15, 22 and 23, ^{herebefore described} Thence Drive

N 89°55' W. on a true line Feb. sec 15 and 22

Descend W. slope over rolling sandy land through sage and greasewood brush.

Subdivision of Twp 30 N, R. 19 E.

Chains

25

- 39.98 Undergrowth, and bunch grass.
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 15 on N. half and S 22 on S half. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
- 40.10 Level rolling land bears N.E. and S.W. under broken stony land bears N.E. and S.W., desc. over rock ledge 20 ft. high. bears N.E. and S.W.
- 43.00 Moor of abrupt rocky descent level stony land bears N.E. and S.W. under rolling sandy land bears N.E. and S.W.
- 50.00 Dry ravine 20 chs. wide 8 ft. deep course S.W. around S.E. slope.
- 79.96 The cor. of secs. 15, 16, 21, and 22, heretofore described. Land rolling and broken. Soil sandy and stony 2nd 3rd and 4th rate. Not timbered.

N 0° 02' W. bet. secs 15 and 16.

Around S.E. slope over rolling sandy land through sage and quercus wood brush undergrowth 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 cap $\frac{1}{4}$ S 16 on W. half and S 15 on E half. Dig pits 18 x 18 x 12 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.
- 50.00 Top of ridge bears N.E. and S.W. desc.

- 80.00 Set an iron post, 3 ft. long 2 in. in diam. 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked on brass cap T 30 N. S. 9 in N. W. T 19 E. S 10 in N.E. S 15 in S.E. and S 16 in S.W. quadrant. 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.

BOOK 2594

Land rolling.
Soil sandy 2nd and 3rd rate.
Not timber.

- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.94 Intersect N. and S line at the cor. of sec 10, 11, 14 and 15, heretofore described,
Thence S run
N 89° 55' W on a true line bet. sec 10 and 15.
- Over rolling and level bottom land through sage and greasewood brush undergrowth and bunch grass.
- 9.00 Dry ravine 40 lbs. wide 8 ft. deep course S.W.
- 17.00 Leave level land bears N.E. and S.W. enter rolling land bears N.E. and S.W. ascend gradually over S.E. slope.
- 38.00 Top of ridge bears N.E. and S.W. desc S.W. slope.
- 39.97 Set an iron post 2 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on bear cap $\frac{1}{4}$ S. 10 on N. half and S 15 on S half. Dig pits 18x18x12 ins. E. and W. of post 2 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. N. of cor.
- 55.00 Dry ravine 50 lbs wide 5 ft. deep course S.E. ascend N.E. slope
- 79.94 The cor. of sec. 9, 10, 15 and 16.
Land level and rolling
Soil sandy 2nd and 3rd rate.
Not timber.

March 2nd 1909

March 5th 1909
At 9^h 00^m ^{l.m.t.} set off 36° 00' N. on the lub arc. 6° 01' S. on the decl arc. and determine a meridian with the solar on the cor. of sec. 9, 10, 15 and 16 heretofore described.
Thence S run.

N 0° 02' W. bet. sec. 9 and 10.

Subdivision of Tp 20N, R19E.

Chain

Descend N. slope over rolling sandy land through sage and greasewood brush undergrowth and much grass.

15.76 Run ranine 30 lbs. wide, 6 ft. deep course S.E. ase. S.E. slope.

40.00 Set an iron post 3 ft. long 1 in. in diam., 26 ins in the ground for 4 sec. cor. marked on brass cap. 4 S. 9 on W half and S 10 on E half.

Dig pits 18 x 18 x 12 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.

71.00 Enter scattering cedar and pinion pine timber from N.E. and S.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 30 N. S. 4 in N.W. R19E. S 3 in N.E. S 10 in S.E. and S 9 in S.W. quadrants. from which.

A pinion pine 10 ins in diam bears 71 1/2° E. 234 lbs. dist. marked T 30 N. R19E. S 3 B.T.

A Cedar 12 ins in diam. bears S 72 3/4° E 413 lbs. dist. marked T 30 N. R19E. S 10 B.T.

A pinion pine 10 ins in diam bears S 72 1/2° W 296 lbs. dist. marked T 30 N. R19E S 9 B.T.

A pinion pine 12 ins in diam. bears N 44° W 224 lbs. dist. marked T 30 N. R19E S 4 B.T.

Land rolling.

Soil sandy 2nd and 3rd rate;

Timber pinion pine and cedar.

40.00 S 89° 55' E on a random line bet. secs. 3 and 10 Set. temp 4 sec. cor.

79.98 Intersect N and S line at the cor. of secs. 2, 3, 10 and 11, heretofore described, Thence Drive

N 89° 55' W. on a true line bet. secs. 3 and 10

Ascend E. slope over rolling sandy land through scattering pinion pine and cedar timber.

39.99 Set an iron post 3 ft. long 1 in. in diam, 26 ins in the ground for 4 sec. cor. marked on brass

BOOK 2594

exp. $\frac{1}{4}$ S 30 on N. half and S 10 on S half
from which.

A cedar 8 ins. in diam. bears N 31° E 66
lbs. dist. marked $\frac{1}{4}$ S 3 B.T.

A piñon pine 10 ins. in diam. bears S $33\frac{1}{2}^{\circ}$ W 154
lbs. dist. marked $\frac{1}{4}$ S 10 B.T.

50.00 Bear timber bears N.E. and S.W.

52.00 Pop of ridge bears N.E. and S.W. thence over nearly
level land.

13.00 Enter scattering piñon pine and cedar timber
bears N and S.

79.98 The cor. of sec 3, 4, 9 and 10, heretofore described.
Land rolling.

Soil sandy 2nd and 3rd rate.

Timber piñon pine and cedar.

N $0^{\circ} 02'$ W on a random line bet. sec. 3 and 4

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

79.92 Intersect N. bdy of Tp 18 lbs $589^{\circ} 58' E$ of the cor. of sec 3
4, 33 and 34, recently estab. by me & described in Exterior Book "5"
Thence down.

S $0^{\circ} 10'$ E on a true line bet. sec 3 and 4

Descend S.W. slope over rolling sandy land
through sage bush undergrowth and bunch
grass.

6.40 Dry ravine 10 lbs. wide 2 ft deep course S.E.

28.25 Dry ravine 15 lbs. wide 3 ft deep. Course S.E., Enter
scattering piñon pine and cedar timber bears
NW. and S.E.

37.25 Dry ravine 40 lbs. wide 3 ft deep course E.

39.92 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 4 on W half and S 3 on E half., from
which.

A cedar 16 ins. in diam. bears N $43\frac{1}{2}^{\circ}$ E 312 lbs.
dist. marked $\frac{1}{4}$ S 3 B.T.

A cedar 8 ins. in diam. bears N 53° W 330 lbs.
dist. marked $\frac{1}{4}$ S 4 B.T.

140.00 Bear timber bears E and W.

100.00 Enter scattering cedar timber bears NW. and S.E.

Subdivision of Twp 30 N, R 19 E

Chassis

29

42.00 Top of ridge bears NE and SW. decl. S.E. slopes
 79.92 This cov. of secs 3, 4, 9 and 10
 Land rolling.
 Soil sandy 2nd and 3rd rate.
 Timber pinon pine and cedar.

March 5th 1909

1909
 March 3rd at 7^h 30^m a.m. l.m.t. set. off 35° 57' from the
 lab. are. 6° 52' S. on the decl. are and determined
 a meridian with the solar alt. the cov. of secs. 4
 5, 32, and 33 on the S. dry. of the Twp.
 recently established by me and described in Exterior Book "R"
 Thence I run

N 0° 03' W. 1/4 sec. 32 and 33

40.00 Resecond NW. slope on rolling sandy land through
 sage and greasewood brush and bunch grass
 Set an iron post 3 ft. long 1 in. in diam., 26 in. in
 the ground for 1/4 sec. cov. marked on brass cap
 445.32 on W. half and 833 on E. half.

Dig pits 18x18x12 in., 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 cov.

50.00 Road to Pluccis ranch. bears NE and SW.

80.00 Set an iron post 3 ft. long 2 in. in diam. 24
 in. in the ground for cov. of secs. 28, 29, 32,
 and 33 marked on brass cap T 30 N R 19 E
 28 in NE. 33 in SE and 32 in SW.
 quadrant.

Dig pits 18x18x12 in., in each sec. 5 1/2 ft. dist.
 and raise a mound of earth 4 ft. base, 2 ft.
 high W of cov.

Land rolling.

Soil sandy 3rd rate.

No timber.

40.00 N 89° 58' E on a random line bet. sec. 28 and 33
 Set trap 1/4 sec. cov.

79.96 Intersect N and S line 10 lbs. N of the cov. of secs
 27, 28, 33 and 34, hereinbefore described,
 Thence I run

BOOK 2594

- N 89° 58' W on a true line bet. sec. 28 and 33.
 Descend N.W. slope over rolling sandy land
 through sage and greasewood brush undergrowth
 and bunch grass.
- 18.25 Dry ravine 15 lks. wide 2½ ft deep course N.W.
 38.00 Enter scattering pinion pine and cedar timber
 bears N.W. and S.E.
- 39.98 Set an iron post. 3 ft. long 1 in. in diam. 26
 ins. in the ground for ¼ sec. cor. marked on
 brass cap ¼ S. 28 on N. half and S 33 on S half
 from which.
 A cedar 12 ins. in diam. bears N 26½° W 151 lks.
 dist. marked ¼ S 28 B.T.
 A cedar 10 ins. in diam bears S 68 ¾° W 164 lks.
 dist. marked ¼ S. 33 B.T.
- 48.00 Leave timber bears N.W. and S.E.
- 58.40 Road to Placer's ranch bears N.E. and S.W.
- 79.96 The cor. of sec. 28, 29, 32 and 33, heretofore described.
 Land rolling.
 Soil sandy 2nd and 3rd rate.
 Timber pinion pine and cedar.

- N 0° 03' W. bet. sec. 28 and 29.
 Descend N.W. slope over rolling sandy land
 through sage brush undergrowth and bunch
 grass
- 33.00 Enter scattering pinion pine and cedar timber
 bears N.E. and S.W.
- 38.00 Leave rolling sandy land bears N.E. and
 S.W. enter broken stony land bears N.E. and
 S.W. descend abruptly over sand stony ledge
 10 ft. high bears N.E. and S.W.
- 39.00 Drop abruptly rocky descent. Leave broken
 land bears N.E. and S.W., enter level land
 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 ¼ sec. cor. marked
 on brass cap ¼ S 29 on W half and S 28 on E
 half, from which.
 A pinion pine 14 ins. in diam. bears S 71½° E

Subdivision of Twp 30 N. R 19 E

Lohans

31

- 64 lbs. dish. marked 4 328 B.T.
A few pine stumps in draw, bear S 23 1/2° W
188 lbs. dish. marked 4 829 B.T.
- 40.08 Leave level land bears NE. and SW., enter broken stony land bears NE. and SW., desc. abruptly over NW. slope.
- 42.75 Footh of abrupt descent, leave broken stony land and timber bears NE. and SW., enter level sandy and adobe land bears NE. and SW.
- 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 30 N. S 20 in NW. R 19 E S 21 in NE. S 28 in SE and S 29 in SW. quadrant.
Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dish and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land level rolling and broken.
Soil sandy adobe and stony 2nd 3rd and 4th rate
Timber pinon pine and cedar.
- NOTE At this cor. I set off 6° 49' S on the decl arc and at 12^h 12^m pm. level observed the sun on the meridian, and obtain on the barometer a reading of 35.58 1/2 in.
-
- 40.00 S 89° 58' E on a random line bet. sec. 21 and 28
Set temp. 1/4 sec. cor.
- 80.00 Intersect N and S line 8 lbs. S. of the cor. of sec. 21 22, 27 and 28, heretofore described,
Thened Drum
S 89° 59' W. on a true line bet. sec. 21 and 28
Descend NW. slope over rolling sandy land through sage brush undergrowth and bunch grass.
- 28.00 Leave rolling land bears NE. and SW., enter broken stony land bears NE. and SW., desc. abruptly over sandstone cliffs 10 ft. high.
- 30.00 Footh of abrupt rocky descent, leave broken stony land bears NE. and SW., enter level

Subdivision of Twp 30 N. R. 19 E

32

Chain

BOOK 2594

- 40.00 Sandy and adobe land bears N.E. and S.W.
Set an iron post. 3ft. 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.
Dig pits 18x18x12 ins. E and W. of post. 3ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 80.00 The cor. of secs. 20 21 28 and 29, heretofore described.
Land level rolling and broken.
Soil sandy adobe and stony 2nd 3rd and 4th rate.
No timber
- No. 03 W. bet. secs. 20 and 21
Over level adobe land through sage and greasewood brush undergrowth and bunch grass.
- 6.75 Dig earthen 40 lbs. wide 8 ft. deep. course S.W.
- 28.00 Leave level adobe land bears N.E. and S.W., enter broken stony land and scattering pinion pine and cedar timber bears N.E. and S.W. are abruptly over sand stone ledges.
- 38.00 Top of abrupt rocky ascent, leave broken stony land bears N.E. and S.W. enter rolling sandy land bears N.E. and S.W. ascend over S.E. slope.
- 40.00 Set an iron post. 3ft. 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 pinion pine 14 ins. in diam. bears $N 62\frac{1}{4}^{\circ} E 115$ lbs. dia., marked $\frac{1}{4}$ S 21 B.T.
A cedar 10 ins. in diam. bears $S 34\frac{3}{4}^{\circ} W 146$ lbs. dia., marked $\frac{1}{4}$ S 20 B.T.
- 55.00 Top of ascent, leave rolling land and timber bears N.E. and S.W., enter level land bears N.E. and S.W.
- 74.00 Leave level land bears N.E. and S.W., enter rolling land bears N.E. and S.W., desc. gradually over N.W. slope.
- 80.00 Set an iron post. 3ft. long. 2 ins. in diam. 24 ins. in the ground for cor. of secs. 16. 17. 20

Subdivision of Pp 307, P198

Chains

and 21, marked on brass cap T 307. 317 in
N.W. P198 316 in N.E. & 21 in S.E. and 320 in
S.W. quadrants.

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

Land level rolling and broken.

Soil sandy above and stony 2nd 3rd and 4th rate.
Timber pine and cedar.

N 89° 59' E on a random line bet. sec 16 and 21

40.00 Set temp. 1/4 sec. cor.

79.98 Intersect N and S line at the cor. of sec 15, 16,
21 and 22, heretofore described,
thence down

S 89° 59' W. on a true line bet. sec. 16 and 21.

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

39.99 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 to 316 on N. half and 321 on S. half.

Dig pits 18x18x12 ins. East 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.

119.00 Top of ridge bears N and S. Leave rolling
land bears N. and S. enter hilly land bears
N and S. desc. W. slope.

51.00 Leave sandy land bears N and S. enter stony
land bears N and S.

55.00 Dry ravine course S. asc. E slope.

64.00 Begin steep ascent over sandstone ledges bears
N and S.

66.00 Top of steep rocky ascent. Leave stony land
bears N and S. enter sandy land bears
N and S. ascend gradually.

75.00 Top of ascent leave rolling and hilly land
bears N.E. and S.W. enter level land bears
N.E. and S.W.

79.98 The cor. of sec 16, 17, 20, and 21, heretofore described.

Subdivision of T₃₀N. R₁₉E

BOOK 2594

Land level, rolling, and hilly.
Soil sandy and stony 3rd and 4th rate.
No timber.

March 2nd 1909

March 5th ^{at 1909} at 10^h 30^m am. ^{Loc. 5} Set. off. $35^{\circ}59'N$.
on the lat. arc. $6^{\circ}04\frac{1}{2}'S$ on the decl. arc. and
determine a meridian with the solar at the
cor. of secs. 16, 17, 20 and 21, heretofore described.

Thence Drive

N $0^{\circ}03'W$. bet. secs 16 and 17

Over rolling sandy land. Slopes to N.E.
through Sage and greasewood brush and
bunch grass.

30.00 Dry ravine Course S.E., enter scattering birch
pine and Cedar timber bears N.W. and S.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. 4S17 on W half and 316 on E half.
from which.

A cedar 14 ins. in diam. bears S $89^{\circ}W$ 217 lbs
dist. marked 4S17 B.T.

No other trees available

Dig pits 18 x 18 x 12 ins. N and S of post. 3 ft.
dih. and raise a mound of earth 3 $\frac{1}{2}$ ft.
base 1 $\frac{1}{2}$ ft. high W of cor.

78.00 Leave sandy land bears N.E. and S.W., enter
stony land bears N.E. and S.W.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24
ins. in the ground for cor. of secs. 8, 9, 16 and
17 marked on brass cap T 30 N. R 19 E S 8 in N.W.
R 19 E S 9 in N.E. S 16 in S.E. and S 17 in S.W.
quadrant, from which.

A pinion pine 6 ins. in diam. bears N $22\frac{1}{2}^{\circ}E$ 21
lbs. dist. marked T 30 N. R 19 E S 9 B.T.

A cedar 14 ins. in diam. bears S $22\frac{3}{4}^{\circ}E$ 152 lbs.
dist. marked T 30 N. R 19 E S 16 B.T.

A pinion pine 10 ins. in diam. bears S $73\frac{1}{2}^{\circ}W$
216 lbs. dist. marked T 30 N. R 19 E S 17 B.T.

A cedar 8 ins. in diam. bears N $52^{\circ}W$ 98 lbs. dist.
marked T 30 N. R 19 E S 8 B.T.

Land rolling

Subdivision of P₃₀ N. R19E.

Chains

35

Soil sandy and stony 2nd and 3rd rate.
 Timber pinon pine and cedar.

40.00 N 89° 59' E on a random line bet. sec. 9 and 16.

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

79.96 Intersect N. and S. line 5 lks. N. of the cor. of
 sec. 9, 10, 15 and 16, hereinbefore described.

Thence S run

N 89° 59' W. on a true line bet. sec. 9 and 16.

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

39.98 Set an iron post 3 ft. long 1 in. in diam. 26
 ins. in the ground for $\frac{1}{2}$ sec. cor. marked on
 brass cap $\frac{1}{4}$ S. on N. half and S 16 on S. half.
 Dig pit 18 x 18 x 12 ins. East W. of post 3 ft.
 dit. and raise a mound of earth 3 $\frac{1}{2}$ ft base 1 $\frac{1}{2}$
 ft. high N. of cor.

56.00 Enter scattering pinon pine and cedar timber
 trees N.W. and S.E.

63.00 Top of ridge trees N and S. desc. W. slope —

66.00 Dry ravine course S. asc.

79.96 The cor. of sec. 8, 9, 16 and 17, hereinbefore described.

Land rolling.

Soil sandy 2nd and 3rd rate.

Timber pinon pine and cedar

NOTE On the $\frac{1}{4}$ sec. cor. bet. sec. 9 and 16, ^{above described} set off 6° 03' S.
 on the decl arc and at noon observed the sun
 on the meridian, the resulting latitude being
 36° 00' N.

March 5th 1909

March 6th 1909
 At 1^h 00^m p.m. ^{l.m.t.} set off 36° 00' N.
 on the lab arc 5° 39' S. on the decl arc and
 determine a meridian with the solar
 at the cor. of sec. 8, 9, 16 and 17, hereinbefore described.

Thence S run

N 0° 03' W. bet. sec. 8 and 9.

Ascend stony S.E. slope over hilly land through
 scattering pinon pine and cedar timber and

Subdivision of Tp 30 N, R 19 E

36

Chains

BOOK 2594

- undergrowth
- 5.00 Leave stony land leave N.E. and S.W., Enter sandy land leave N.E. and S.W.
- 24.00 Top of ridge leave N.E. and S.W. thence over broken hilly land.
- 32.00 Leave sandy land leave N.E. and S.W. Enter stony land leave N.E. and S.W.
- 36.00 Leave stony land leave N.E. and S.W. Enter sandy land leave 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 base Cop $\frac{1}{4}$ S 8 on W. half and S 9. on E half from which.
- A pinon pine 5 ins. in diam. leave S 91° E 54 lks. dist. marked $\frac{1}{4}$ S 9. B.T.
- A pinon pine 6 ins. in diam. leave S 15 $\frac{1}{4}$ ° W 125 lks. dist. marked $\frac{1}{4}$ S 8 B.T.
- 45.00 Begin descent over N. slope.
- 75.00 Dry ravine course S.E. ascend gradually over 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. 4, 5, 8 and 9, marked on base Cop T 30 N 35 in N.W. T 19 E 34 in N.E. S 9 in S.E. and S 8 in S.W. quadrants, from which.
- A cedar 8 ins. in diam. leave N 45° E 106 lks. dist. marked T 30 N, R 19 E 34 B.T.
- A pinon pine 6 ins. in diam. leave S 5 $\frac{1}{2}$ ° E 214 lks. dist. marked T 30 N, R 19 E, S 9 B.T.
- A pinon pine 5 ins. in diam. leave S 20 $\frac{1}{4}$ ° W, 58 lks. dist. marked T 30 N, R 19 E, S 8 B.T.
- No other trees available.
- Dig pit 36 x 36 x 12 ins in sec. 5 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
- Land rolling and hilly.
- Soil sandy and stony 2nd 3rd and 4th rate.
- Timber Pinon pine and cedar

Subdivision of Pp 30 N. N19E

Chowis

S89°59'E on a random line bet. sec. 4 and 9,
 40.00 Set temp. & sec. cor.
 80.04 Intersect N and S. line 10 lks. S. of the cor. of
 sec. 3, 4, 9 and 10, heretofore described,
 Thence I run
 S89°57' W. on a true line bet. sec. 4 and 9.
 Ascend S.E. slope over hilly sandy land, through
 scattering pinion pine and cedar timber
 15.00 Top of ridge bears N.E. and S.W. desc. N.W. slope.
 34.00 Dry ravine Course S. asc.
 36.00 Top of ridge bears N and S desc.
 40.02 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
 in the ground for & sec. cor. marked on brass
 cap & S 4 on N. half and S 9 on S. half.
 from which.
 A pinion pine 18 ins. in diam. bears N19½W
 289 lks. dist. marked ½ S 4 B.T.
 A pinion pine 10 ins. in diam. bears S20½W
 266 lks. dist. marked ½ S 9 B.T.
 41.00 Dry ravine Course S. asc.
 46.00 Top of ridge bears N and S. desc.
 50.75 Dry ravine Course S.E. asc.
 80.04 The cor. of sec. 4, 5, 8 and 9, heretofore described.
 Land hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber pinion pine and cedar.

N0°03' W on a random line bet. sec. 4 and 5.
 40.00 Set temp. & sec. cor.
 80.04 Intersect N. ldy of Pp. 5 lks. 5.89⁵⁸E. the cor.
 of sec. 4, 5, 32 and 33, recently estab. by me & described
 in Exterior Book "5"
 Thence I run
 S0°05' E. on a true line bet. sec. 4 and 5
 Over rolling sandy land through pinion pine
 and cedar timber.
 13.00 Leave rolling land bears N.E. and S.W. desc.
 S.E. slope over hilly land bears N.E. and S.W.
 16.50 Wood road bears N.E. and S.W.
 40.04 Set an iron post 3 ft. long 1 in. in diam.
 26 ins. in the ground for & sec. cor. mkd.

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on brass cap $\frac{1}{4}$ S 5 on W. half and S 4 on E. half. from which.

A pinion pine 8 ins. in diam. bears S 62 $\frac{3}{4}$ ° E 62 lbs. dist. marked $\frac{1}{4}$ S 4 B.T.

A pinion pine 4 ins. in diam. bears N 55 $\frac{1}{2}$ ° W 119 lbs. dist. marked $\frac{1}{4}$ S 5 B.T.

80.04 The cor. of secs. 4, 5, 8 and 9, heretofore described.

Land rolling and hilly.

Soil sandy and stony 3rd and 4th rate.

Timber pinion pine and cedar.

March 6th 1909

March 4th 1909. l.m.t.
 At 7^h 15^m am. I set off 35° 57' N,
 on the lat. arc, 6° 28' S. on the decl. arc, and
 determine a meridian with the solar at the
 cor. of secs 5, 6, 31 and 32, on the S. side of
 the Twp; recently estab. by me & described in Exterior Book "R"

Thence I run

N 0° 03' W. bet. secs. 31 and 32.

Ascend 3 steps over stony hilly land through
 scattering pinion pine and cedar, timber
 and bunch grass.

10.00 Top of rocky ridge bears E and W. desc.

20.40 Road to Placard's ranch bears N.E. and S.W.

22.00 Descend abruptly over sand stone ledges bears
 N.E. and S.W.

30.00 Foot of abrupt rocky descent. leave stony land
 bears N.E. and S.W., enter level sandy land.
 bears N.E. and S.W.

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

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

67.50 Dug ravine 20 lbs. wide 3ft. deep corner SW

80.00 Set an iron post: 3ft. long, 2 ins. in diam
 24 ins. in the ground for cor. of secs. 29, 30
 31 and 32. marked on brass cap T 30 N. S 30
 in N.W. 1 R 19 E. S 29 in N.E. S 32 in S.E. and S 31

in S.W. quadrant.
 Dig pits 18x18x12 ins. in each. sec. 5 1/2 ft.
 dia. and raise a mound of earth 4 ft. base
 2 ft high. W of cor.
 Land level and hilly.
 Soil sandy and stony 2nd 3rd and 4th rate.
 Number Pinon pine and cedar.

40.00 NW 9° 58' E on a random line bet. sec. 29 and 32
 Set temp. 1/4 sec. cor.

79.86 Intersect N and S. line 2 mi. S. of the cor. of
 sec. 28, 29, 32 and 33, heretofore described,
 Thence Drun

S 89° 57' W. on a true line bet. sec. 29 and 32
 descend NW. slope over rolling sandy land
 through sage and greasewood brush under-
 growth and bunch grass.

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 base
 cap 1/4 S. 29 on N. half and S 32 on S. half.

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

65.50 Leave rolling land bears N.E. and S.W.
 enter stony land bears N.E. and S.W., desc.
 abruptly over sand stone ledges - bears N.E. and
 S.W.

68.50 Foot of a bluff rocky descent, bears stony land
 bears N.E. and S.W.; enter level sandy land.
 bears N.E. and S.W.

79.86 The cor. of sec. 29, 30, 31 and 32, heretofore described.
 Land level rolling and broken.
 Soil sandy and stony 2nd 3rd and 4th rate.
 No timber.

40.00 S 89° 58' W. on a random line bet. sec. 30 and 31
 Set temp. 1/4 sec. cor.

79.22 Intersect W. line of Twp at the cor. of sec.

Subdivision of T₄ 30 N. P. 19 E

40

Chains

BOOK 2594

- 25, 30, 31 and 36, recently estab. by me & described in
 the old Iron Extra Book "T"
- N 89° 58' E on a true line bet. sec. 30 and 31
 descend S.E. slope over rolling sandy land,
 through scattering cedar timber, and bunch grass.
- 3.50 Leave timber bet. NW. and S.E.
- 19.10 Road to Polacca Ariz. from N.E. and S.W.
- 39.22 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 to 330 on N. half and S. 31 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. W. of cor.
- 48.50 Dry ravine 20 lbs. wide 8 ft. deep, course S.E.
 at foot of descent, leave rolling land from
 N.E. and S.W., enter level land from N.E. and
 S.W.
- 76.00 Dry wash. 100 lbs. wide banks 20 ft. high.
 Course S.W.
- 79.22 The cor. of sec. 29, 30, 31 and 32, heretofore described.
 Land level and rolling.
 Soil sandy 2nd 3rd and 4th rate.
 Timber Cedar.
- NOTE At this cor. set off 6° 26' S on the decl. arc
 and at noon observe the sun on the meridian
 the resulting latitude being, 35° 57' $\frac{1}{2}$.
-
- N 0° 03' W. bet. sec. 29. and 30.
 Over level sandy land through sage and
 greasewood brush and bunch grass.
- 5.25 Center of dry sand wash 150 lbs. wide, banks
 18 ft. high. Course S.W.
- 26.00 Leave level sandy land from N.E. and S.W. ascend
 abruptly over broken stony S.E. slope over sand stone
 ledges from N.E. and S.W.
- 31.00 Top of abrupt rocky ascent, leave broken stony
 land from N.E. and S.W. enter rolling sandy
 land from 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.

Subdivision of Twp 30 N. R. 19 E

41

Chains

- on brass cap $\frac{1}{4}$ S 30 on W. half and S 29 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.
- 80.00 Set an iron post. 3 ft. long 2 ins. in diam.
24 ins. in the ground for cor. of sec. 19, 20, 29
and 30 marked on brass cap T 30 N. S 19 in NW.
T 19 E S 20 in N.E., S 29 in S.E. and S 30 in S.W.
quadrant.
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 level, rolling and broken.
Soil sandy adobe and stony 2nd 3rd and 4th rates.
No timber
-
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.86 Intersect N and S line 3 lks. S. of the cor. of
sec. 20, 21, 28 and 29, heretofore described,
Three Drum
S 89° 56' W. on a true line bet. sec. 20 and 29.
Over level land through sage and greasewood
brush undergrowth and bunch grass.
- 4.00 Dry sand wash 50 lks. wide banks 10 ft.
high course S.W.
- 13.00 Level level land bears N.E. and S.W. enter
stony land bears N.E. and S.W. ascend abruptly
over S.E. slope.
- 16.50 Level broken stony land bears N.E. and S.W.
enter rolling sandy land bears N.E. and S.W.
- 39.93 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 N. half and S 29 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. N. of cor.
- 79.86 The cor. of sec. 19, 20, 29 and 30, ^{heretofore} described.

Subdivision of Twp 30 N R 19 E

BOOK 2594

Land level rolling and broken.
Soil sandy and stony 2nd 3rd and 4th rates.
No timber.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.12 Intersect W. l. l. of Twp. 10 lks. S. of the cor. of
secs. 19, 24, 25 and 30, recently estab. by me & described
in Exterior Book "T"
Thence D run
S 89° 58' W. on a random line bet. secs. 19 and 30.
Over rolling land through sage and greasewood
bush and bunch grass.
- 8.00 Dry ravine course S., ascend gently over
W. slope.
- 39.12 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 S. 19 on N. half and S 30 on S half.
Raise a mound of stone 2 ft. base, 1 1/2 ft. high
N. of cor.
Pits impracticable
- 15.00 Top of ridge bear N.E. and S.W. thence over
rolling land.
- 79.12 The cor. of secs. 19, 20, 29 and 30, heretofore described.
Land rolling.
Soil sandy 2nd 3rd and 4th rates.
No timber.

March 4th 1909

- 1909
March 5th At 8^h 00^m a.m. l.m.l. D run.
of 35° 58' 2" N. on the lat. arc, 6° 06' S. on the
decl. arc, and determine a meridian with
the solar at the cor. of secs. 19, 20, 29 and 30
heretofore described
Thence D run
N 0° 03' W. bet. secs. 19 and 20.
Over rolling sandy land through sage bush,
undergrowth and bunch grass.
- 10.00 Begin gradual descent over N.W. slope.
- 33.00 Foot of descent in depression drain S.W.
Ascend S.W. slope.

Subdivision of T¹/₄ 30 N. R19E

Cehain

43

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. 19 on W half and S 20 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.

80.00 Set an iron post 3 ft. long 2 ins. in diam., 24 ins. in the ground for cor. of secs. 17, 18, 19 and 20. marked on brass cap. T 30 N. S 18 in NW. R19E. S 17 in NE. S 20 in SE. and S 19 in SW. quadrant. 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 2nd and 3rd rate.
No timber.

40.00 W 89° 56' E on a random line bet sec. 17 and 20 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N and S line 10 (100) S. of the cor. of secs. 16, 17, 20 and 21, heretofore described, Thence S run

S 89° 52' W. on a true line bet. secs. 17 and 20 around S.E. slope over rolling sandy land, through sage and greasewood brush, undergrowth and bunch grass.

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 $\frac{1}{4}$ S 17 on N. half and S 20 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 N. of cor.

70.00 Top of ridge bet N.W. and S.E. desc. gently
79.88 The cor. of secs. 17, 18, 19 and 20, heretofore described.
Land rolling.
Soil sandy 2nd and 3rd rate.
No timber.

Subdivision of Twp. 30 N R 19 E

44 chains

BOOK 2594

- 40.00 NW 89° 58' W, on a random line bet. sec. 18 and 19
Set temp. 1/4 sec. cor.
- 79.10 Intersect W. bdy of Twp. 10 T. 3 of the cor.
of sec. 13, 18, 19 and 24, recently estab. by me & described
in Exterior Book "T"
Thence Drum
S 89° 54' E on a true line bet. sec. 18 and 19,
over rolling sandy land through sage and
greasewood brush undergrowth and bunch
grass.
- 00.10 Dry ravine course S. ascend gradually over S.W.
slope.
- 39.10 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 18 on N half and S 19 on S half
Dig pits 18 x 18 x 12 ins. E and W. of post, 3 ft.
diam., and raise a mound of earth 3 1/2 ft. base
1 1/2 ft. high N. of cor.
- 65.00 Top of low ridge bears N.W. and S.E. desc.
- 79.10 The cor. of sec. 17, 18, 19 and 20, heretofore described.
Land rolling.
Soil sandy, 2nd and 3rd rate.
No timber.

March 5th 1909

- March 6th 1909
At 7:30 am ^{h.m.} set off 35° 59' N, ^{l. mt.}
on the lat arc 5° 43' S, on the decl. arc and
determine a meridian with the solar at the
cor. of sec. 17, 18, 19 and 20 heretofore described,
Thence Drum
N 0° 03' W, bet. sec. 17 and 18
Ascend S.W. slope over hilly sandy land
through sage and greasewood brush under-
growth and bunch grass.
- 24.00 Top of ridge bears N.W. and S.E., enter scattering
juniper pine and cedar timber bears N.W. and
S.E. desc. N.E. 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 18 on W. half, and S 17 on E
half, from which.

Schau's

Subdivision of T₃₀N, R₁₉E

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- A pinion pine 8 ins. in diam. bears $332\frac{1}{2}^{\circ} E 80$
 dist. marked $\frac{1}{4}$ S 17 B.T.
- A cedar 10 ins. in diam. bears $N 86^{\circ} W 47$ lbs.
 dist. marked $\frac{1}{4}$ S 18 B.T.
- 44.00 Leave timber bear N.E. and S.W.
- 58.00 Foot of descent in depression bear N.E. and S.W.
 drains S.W. ascend gradually over S.E. slope.
- 59.75 Wire fence bear N.E. and S.W., enter cultivated
 field bear N.E. and S.W.
- 72.10 Wire fence bear E and W. leave cultivated
 land bear 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. 7, 8, 17 and 18
 marked on brass cap T 30 N, S 7 in N.W. R 19 E.
 38 in N.E. 317 in S.E. and 318 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 rolling.
 Soil sandy 2nd and 3rd rate.
 Timber pinion pine and cedar.

$N 89^{\circ} 52' E$ on a random line bet. sec.
 8 and 17

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.86 Intersect N and S. line 8 lbs. N. of the cor. of
 sec. 8, 9, 16 and 17, heretofore described,
 Thence Drive
 $S 89^{\circ} 55' W$ on a true line bet. sec. 8 and 17
 Ascend E. slope over stony hilly land through
 scattering pinion pine and cedar timber and
 bunch grass.
- 10.00 Top of ridge bears N.W. and S.E. leave stony
 land bear N.W. and S.E. enter sandy land.
 bear N.W. and S.E.
- 30.50 Wood road bears N.W. and S.E.
- 36.00 Leave timber bear N.E. and S.W.
- 39.93 Set an iron post 3 ft. long 1 in. in diam. 26
 ins. in the ground for $\frac{1}{4}$ sec. cor. marked out

BOOK 2594

brass cap $\frac{1}{4}$ S 8 on n. half and S 17 on S half.
from which.

A cedar 14 ins. in diam. bears S 74° W 83 lks.
dist. marked $\frac{1}{4}$ S 17 B.T.

No other trees available.

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

59.00 Wire fence bears n and S. enter cultivated
land bears n and S.

62.00 Dry ranuel course S.W. arc

64.00 Wire fence bears n.W. and S.E.

70.50 Wire fence bears n.E. and S.W., leave
cultivated land bears n.E. and S.W.

79.86 The cor. of sees. 7, 8, 17 and 18, heretofore described.
Land rolling and hilly.

Soil sandy and stony 2nd, 3rd, and 4th rate,
Number prairie pine and cedar.

40.00 V 89° 54' W, on a random line bet. sees 7 and 18
Septup. $\frac{1}{4}$ sec. cor.

79.08 Intersect W. bdy. of Twp. 30 N. S of the cor. of sees.
7, 12, 13 and 18, recently estab. by me & described in Exterior Book "T".
Thence Drive

S 89° 53' E on a true line bet. sees 7 and 18.

Ascend n.W. slope over hilly sandy land through
sage brush undergrowth and bunch grass.

26.00 Top of ridge bears n.E. and S.W., enter scattering
prairie pine and cedar timber bears n.E.
and S.W., descend gradually over S.E. slope.

39.08 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 7 on n. half and S 18 on S half
from which.

A cedar 6 ins. in diam. bears S 54° W 214
lks. dist. marked $\frac{1}{4}$ S 18 B.T.

No other trees available

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

Subdivision of Tp 30 N, R 19 E

Chain

- 41.00 Saw 1 1/2 ft high N. of cor.
 - 41.00 Leave timber bears NW and S.E.
 - 60.00 Foot of descent in depression bears N and S. drains S. ascend gradually over W. slope.
 - 75.00 Wood road bears N and S.
 - 79.08 The cor of secs 7, 8, 17 and 18, ^{heretofore} described. Land rolling and hilly. Soil sandy 2nd and 3rd rate. Timber pinion pine and cedar.
- NOTE On the 1/4 sec. cor bet. sec 7 and 18, ^{above described} 5740' S. on the decl. arc and abt 12^h 11 1/2^m p.m. last observe the sun on the meridian, the resulting latitude being 36°00' N.

March 6th - 1909.

March 8th 1909 at 8^h 30^m a.m. ^{l.m.t.} D. set off. 3565' N. on the lat. arc, 456' S on the decl. arc and determine a meridian with the solar at the cor. of secs, 7, 8, 17 and 18, heretofore described. Thence I run

N 0° 3' W bet. sec 7 and 8.

Ascend S.W. slope over sandy land through sage and greasewood brush and growth and bunch grass.

- 40.00 Set an iron post. 3 ft. long 1 in. in diam., 2 6 in. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S. 7 on W half and 3/8 on E half. Dig pits 18 x 18 x 12 in. 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.

- 65.00 Enter scattering pinion pine and cedar timber bears N.E. and S.W.
- 68.00 Leave rolling sandy land bears N.E. and S.W. enter stony land bears N.E. and S.W. ascend sand stone ledge 10 ft high bears N.E. and S.W.
- 71.00 Top of ridge bears N.E. and S.W. leave stony land bears N.E. and S.W. enter sandy land bears N.E. and S.W. descend over N.W. slope.
- 74.00 Leave timber bears N.E. and S.W.
- 80.00 Set an iron post. 3 ft. long 2 in. in diam., 2 x

BOOK 2594

is in the ground for cor. of sec. 5, 6, 7 and 8
marked on brass cap. T 30 N 36 in N.W.
R 19 E 35 in N.E. 38 in S.E. and 37 in S.W.
quadrant.

Dig pits 18 x 18 x 12 ins. in each sec 5 1/2 ft.
dist. and raise a mound of earth 4 ft.
base 2 ft. high W. of cor.
Land rolling hilly and broken.
Soil sandy and stony 2nd 3rd and 4th rate.
Timber Pinon pine and cedar.

N 89° 55' E on a random line bet. sec.
5 and 8.

40.00 Set temp. 1/4 sec. cor.

79.88 Intersect N and S. line 5 lbs. N. of the cor
of sec. 4, 5, 8 and 9, heretofore described,
thence down

S 89° 57' W on a true line bet. sec 5 and 8
Ascend S.E. slope over stony hilly land, through
heavy pinon pine and cedar timber.

10.00 Top of stony ridge bears N.W. and S.E. desc.
S.W. slope.

11.00 Wood road bears N. and S.

12.50 Dry ravine course S. asc.

20.00 Top of ridge bears N and S. desc.

23.00 Sand stone ledge 15 ft. high bears N and S.

27.00 Foot of steep rocky descent, bears stony land
bears N.E. and S.W. enter rolling sandy land
bears N.E. and S.W.

32.00 Dry ravine course S.W. asc.

38.50 Wire fence bears N.E. and S.W. on top of ridge
bears N.E. and S.W. desc.

39.94 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 4 & 5 on N. half and 38 on S. half
from which.

A cedar 8 ins. in diam. bears N 46 1/2° E 84
lbs. dist. marked 1/4 S 5 B.T.

A cedar 10 ins. in diam. bears S 9° E 67 lbs.

Chains

Subdivision of Np 307m R198

- dist marked $\frac{1}{4}$ S 8 B.T.
- 48.00 Dry ravine course S.W. asc.
- 65.00 Leave sandy land bears N.E. and S.W., enter stony land bears N.E. and S.W.
- 67.00 Leave stony land bears N. and S., enter sandy land bears N and S.
- 69.00 Top of sand ridge bears N and S., desc. W slope.
- 76.00 Leave timber bears N.E. and S.W.
- 79.88 The Cor. of secs 5, 6, 7 and 8, hereinbefore described. Land rolling and hilly. Soil sandy and stony 2nd 3rd and 4th rate. Timber pinon pine and cedar.
-
- N 89° 53' W on a random line bet. secs. 6 and 7
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.08 Intersect W. line of Np. 5 lks. S. of the cor. of secs. 1, 6, 7 and 12, recently estab. by me & described in "Exterior Book "T"
- Thence run
- S 89° 51' E on a true line bet. secs. 6 and 7, over level sandy land, through sage and greasewood brush undergrowth and bunch grass.
- 6.00 Leave level land bears N.E. and S.W., enter rolling land bears N.E. and S.W. ascend gently over N.W. slope.
- 30.00 Enter scattering pinon pine and cedar timber bears N.E. and S.W.
- 39.08 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 6 on N half and S 7 on S half, from which
- A cedar 10 ins. in diam, bears N 80 $\frac{1}{2}$ ° W 314 lks. dist. marked $\frac{1}{4}$ S 6 B.T.
- A cedar 8 ins. in diam, bears S 0 $\frac{3}{4}$ ° W 91 lks. dist. marked $\frac{1}{4}$ S 7 B.T.
- 56.60 Wood road bears N and S
- 58.00 Leave timber bears N.E. and S.W. on top of ridge bears N.E. and S.W. desc. S.E. slope

BOOK 259

72.00 Dry ravine Course S.W. asc. over N.W. slope.
 79.08 The cor. of sec 5, 6, 7 and 8, heretofore described.
 Land level rolling and hilly.

Soil sandy and stony 2nd 3rd and 4th rate.
 Timber prairie pine and cedar.

NOTE At this cor. I let off. $4^{\circ}53\frac{1}{2}'$ S on the decl.
 are and at 12^h 11^m p.m. l.m.l. observed the sun
 on the meridian. the resulting latitude
 being $36^{\circ}01'$ N.

40.00 N $0^{\circ}03'$ W. on a random line bet. sec 5 and 6
 Set temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect N. l. dry. of Twp. 24 lks. $5.89^{\circ}58'$ E. of the cor.
 of sec. 5, 6, 31 and 32, recently estab. by me & described
 Thence S run in Exterior Book "5"

S $0^{\circ}13'$ E on a true line bet. sec 5 and 6.
 Ascend N.W. slope over rolling and hilly
 land through sage and greasewood brush
 and bunch grass.

15.00 Enter scattering prairie pine and cedar timber
 bears N.E. and S.W.

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

40.16 The point for the $\frac{1}{4}$ sec. cor. falls in a dry ravine
 Course S.W., where natural causes would
 insure the destruction of a corner, therefore
 I continue my line, ascend N.W. slope.

41.16 Set an iron fork 3 ft. long 1 in. in diam.
 26 ins. in the ground for witness cor to the
 $\frac{1}{4}$ sec. cor. marked on brass cap.

T 30 N, R 19 E, 36 on W half., S 5 on E half.
 W.C. $\frac{1}{4}$ on N. half. from which.

A Cedar 12 ins. in diam. bears N $75\frac{1}{4}^{\circ}$ E 86 lks
 dist. marked W.C. $\frac{1}{4}$ S 5 B.T.

A prairie pine 8 ins. in diam. bears N 59° W
 119 lks. dist. marked W.C. $\frac{1}{4}$ S 6 B.T.

46.00 Dry ravine 10 lks. wide 3 ft. deep Course S.W.

52.00 Top of ridge bears N.E. and S.W. desc.

55.00 Sandstone ledge 15 ft. high. bears N.E. and S.W.

56.50 Leave hilly land bears N.E. and S.W.; enter

Subdivision of Twp 30 N. R. 9 E.

Chains

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- rolling sandy land bears N.E. and S.W. desc. gradually.
 68.50 Dry ravine Course S.W. asc.
 74.00 Leave timber bears N.E. and S.W.
 80.16 The cor of sees 1, 5, 6, 7 and 8, heretofore described.
 Land rolling and hilly
 Soil sandy and stony, 2nd 3rd and 4th rate
 Timber pine and cedar.

March 8th 1899

General Description

This township contains every variety of land from level to mountainous, and the soil ranged from 1st to 4th rate. The soil of the bottom land along the sand wash which flows in a south westerly direction through the center of the township is a sandy loam and will produce crops without irrigation. The soil of the remaining portion of the township except the mountainous portion can nearly all be classed as 3rd rate, is covered with an abundant growth of bunch grass and is admirably adapted to grazing purposes.

White pine, cedar and oak, is found on the mountainous and hilly portions of the township, the trees being too small to have any commercial value other than wood and posts for fencing purposes.

The sand stone which underlies the mesa portions of the township is too soft for building purposes. No mineral of any kind was discovered in the township.

There is one spring in the S.E. $\frac{1}{4}$ of sec 5.

There are several deserted Navajo hogans in the township but no permanent settlers.

Jedney E. Blount
 Examiner of Surveys

NOTE

Final affidavits in book V of Subdivision

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. Blount
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 T430N-R19E of the Gila and Salt River Base and Meridian in the Territory of Arizona
showing the respective capacities in which they acted:

- Jay E. Jellick Compassman , Chairman.
- Lafayette Jennings , Chairman.
- Arthur A. Beard Chainman , ~~Moundman~~.
- Fred L. Warner , Moundman.
- Chas. L. Shumway , Axman.
- , Axman.
- Harvey Lake May , Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____

_____ of the _____
meridian _____ of _____, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established according to the instructions furnished by the United States Surveyor
General for _____

See Book "Subdivisional"

- , Chairman.
- , Chairman.
- , Moundman.
- , Moundman.
- , Axman.
- , Axman.
- , Flagman.

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



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53
BOOK 2594

EXAMINER OF SURVEYS

~~FINAL OATH OF UNITED STATES DEPUTY SURVEYOR~~

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____ bearing date of the _____ day of _____, 190 _____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

See Professional Book

United States Deputy Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona APR 25, 1904

The foregoing field notes of the survey of the Subdivision lines of Township 30 North Range 19 East of the Gila and Salt River Base and Meridian, Arizona.

executed by Sidney E. Blunt, U.S. Examiner of Surveys under Special Instructions from the Commissioner of the General Land Office, dated Oct. 2, 1904 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 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.