

171
MAR. 28. 1911

Subdivisional
BOOK Q 2595

FIELD NOTES BOOK 2595

OF THE SURVEY OF THE

Subdivision lines of Township No. 30
North, Range No. 18 East.

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Sidney E. Blount, United States Examined & Approved

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

Survey commenced March 11th, 1907

Survey completed March 22nd, 1907

NAMES AND DUTIES OF ASSISTANTS.

<u>Van L. White</u>	<u>Compassman</u>
<u>Jay E. Jellick</u>	<u>Chainman</u>
<u>Lafayette Jennings</u>	<u>Chainman</u>
<u>Arthur A. Beard</u>	<u>Chainman</u>
<u>Berd L. Warner</u>	<u>Moundman</u>
<u>Harvey Lake May</u>	<u>Flagman</u>

BOOK 2595

Book No. 2595

INDEX DIAGRAM.

Township No. 30 North, Range No. 18 East

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EXT. BK. "U" (left side)
EXT. BK. "S" (right side)
EXTERIOR BOOK "T" (left side)
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EXT. BK. "Q" (bottom right)

Meanders Page

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 _____, 19 _____ }



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 _____, 19 _____ }



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 _____, 19 _____ }



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 _____, 19 _____ }



Chain

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Survey commenced March 11th 1909 and executed with a Wand L. E. Gurley engineers transit No. 10 with a Burh 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 $0^{\circ} 30''$ of arc. I examined 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 determined by observations on Polaris proceed as follows.

At my camp which is located about 10 ch. E. of the cor. of sec. 15, 16, 21 and 22. T 30 N R 18 E. Latitude $35^{\circ} 59' N$. Longitude $110^{\circ} 25' W$.; I set off $35^{\circ} 59' N$ on the lat. arc. $3^{\circ} 37'$ S on the decl. arc. and at $4^h 45^m$ p.m. ^{l.m.t.} determine a meridian with the solar and mark a point there by a tack driven in a stake set in the ground 5 ch. N. of my instrument.

At $8^h 05^m$ p.m. ^{l.m.t.} by my watch which is correct local mean time I observe Polaris at western elongation in accordance with instructions in the Manual, and mark a point in the line thus determined by a tack driven in a peg set in the ground 5 ch. N. of my instrument.

March 11th 1909

March 12th 1909 At $6^h 45^m$ 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 tack driven in the stake already set 5 ch. N. of my station on which the meridian is 0.15 ins. E of the point determined by the solar

At $7^h 00^m$ a.m. ^{l.m.t.} I set off $35^{\circ} 59' N$ on the lat. arc. $3^{\circ} 22'$ S on the decl. arc. and determine a meridian with the solar, and mark a point there by a nail driven in the stake already set 5 ch. N. of my instrument; this point falls 0.1 ins. east of the meridian established by the Polaris observation.

BOOK

2595

The solar apparatus by *tan.* and *cos.* observations defined positions for meridians, respectively about 0'05" west and 0'8" E of the meridian established by the Polaris observation, therefore I conclude that the adjustments of the instrument are satisfactory. I begin at the cor. of secs. 1, 2, 3, 5 and 36 on the S. ldy of T₃₀N. R₁₈E. which I established Jan. 16th 1909, and described in Exterior Book "D" latitude 35° 56' 40" N. Longitude 110° 22' 45" W. At 8^h 20^m ^{l. mt.} and I set off 35° 57' N. on the circ. arc 3° 22' S on the decl. arc. and determine a meridian with the solar alt. the above described cor.

Thence Draw

N 0° 01' W. bet. secs 35 and 36.

Ascend S. slope over rolling sandy land. through sage and greasewood 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 35 on W. half and S 36 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. 25, 26, 35 and 36. marked on brass cap T₃₀N S 26 in N.W. R₁₈E. S 25 in N.E. S 36 in S.E. and S 35 in S.W. quadrant.

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

Land rolling.

Soil sandy, 2nd rate.

No timber.

S 89° 54' E on a random line bet. secs 25 and 36

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

79.98 Intersect E ldy of T₃₀N. S. of the cor. of secs 25-30, 31 and 36, recently estab. by me & described in Exterior Book "T"

Thence Draw

Sub. on a true line bet. secs 25 and 36.

Ascend abrupt rocky S.E. slope of ridge through scattering pinon pine and cedar timber and bunch grass

chains

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- 10.00 Sand stone ledge 15 ft high bears N and S.
- 17.00 Top of ridge bears N and S. desc. gradually over W. slope.
- 22.00 Large timber bears N and S.
- 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 25 on N half and S 36 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.
- 79.98 The cor. of sec. 25, 26, 35 and 36, herebefore described. Land hilly and rolling.
Soil sandy and stony 2nd 3rd and 4th rate.
Timber pinoon pine and cedar.
-
- N 0° 01' W. bet. sec 25 and 26.
Descend gradually over rolling sandy land slopes to N.E., through sage and greasewood brush undugrowth 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 26 on W half and S 25 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.
- 43.00 Foot of descent in depression bears N.E. and S.W. drains to N.E. ascend gradually over S.E. slope of ridge.
- 62.00 Top of ridge bears E and W. desc.
- 65.00 Foot of descent. Large rolling land bears E and W. enter level 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 23, 24, 25 and 26 marked on brass cap T 30 N 8 23 in N.W. T 18 E 324 in N.E. S 25 in S.E. and S 26 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.

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Cehavis

BOOK 2595

Land rolling

Soil sandy 2nd and 3rd rate.

No timber.

NOTE On this cor. I set off. $3^{\circ}19\frac{1}{2}'$ S on the decl. arc and at 12^h10^m p.m. l.m.t. observe the sun on the meridian and obtain on the lat. arc a reading of. $35^{\circ}58\frac{1}{2}'$ N.

40.00 East on a random line bet. sec. 24 and 25
Set temp $\frac{1}{4}$ sec. cor.

79.94 Intersect E. ldy of Pp. at the cor. of sec. 19, 24, 25
and 30, recently estab. by me & described in Exterior Book "T"
Thence I run

West on a true line bet. sec. 24 and 25
Over level sandy land through sage and
greasewood brush and bunch grass.

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 24 on N. half and 325 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.

61.75 Dry tunnel 10 lbs. wide 2 ft. deep course S.E.

79.94 The cor. of sec. 23, 24, 25 and 26, heretofore described.
Land level.
Soil sandy 2nd rate:
No timber.

N $0^{\circ}01'$ W bet. sec. 23 and 24

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

6.30 Dry tunnel 10 lbs wide 2 ft deep course 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 23 on W. half and 324 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.

Subdivision of T₃₀N 30 W. 1918 E

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Chains

80.00 Set an iron post 3 ft long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 13, 14, 23 and 24, marked on brass cap. T₃₀N 30 W. 1918 E S 13 in N.E. S 24 in S.E. and S 23 in S.W. quadrants.
Dig pits 18 x 18 x 12 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.
Soil sandy 2nd rate.
No timber.

40.00 East on a random line bet. sec. 13 and 24
Set temp. 4 sec. cor.
79.98 Intersect E. & S. of T₃₀N 30 W. of the cor. of sec. 13, 18, 19 and 24, recently set by me & described in Exterior Book "T"
Thence Drive
N 89° 59' W. on a true line bet. sec. 13 and 24
Climb E. slope of ridge over rolling sandy land through sage and greasewood bush undergrowth and bunch grass.
35.00 Top of ridge bears N. and S. desc. W. slope.
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 S 13 on N. half, and S 24 on S. half.
Dig pits 18 x 18 x 12 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.
69.00 Mouth of descent. Cross dry ravine 200 lbs. wide 2 ft. deep course S. Level rolling land bears N. and S., enter level land bears N. and S.
79.98 The cor. of sec. 13, 14, 23 and 24, here before described.
Land level and rolling.
Soil sandy 2nd and 3rd rate.
No timber.

March 12th 1909

BOOK 2595

- March 15th 1909, At 8^h 00^m a.m. l.m.t. D set off 35° 59' N.
on the lat. arc. 2° 11½' S on the decl. arc and determine
a meridian with the solar ob. the cor. of sec. 13
14 23 and 24, heretofore described,
Thence I run
N 0° 01' W. bet. sec. 13 and 14
Over level sandy land through sage brush undergrowth
and bunch grass.
40.00 Set an iron post 3 ft. long 1 in. in diam., 26 in. in
the ground for ¼ sec. cor. marked on brass cap ½ S 14
on W. half and 313 on E. half.
Dig pits 18 x 18 x 12 in. in N. and S of post, 3 ft. dist.
and raise a mound of earth 3½ ft. base, 1½ ft.
high W. of cor.
68.00 Dig ravine 30 ft. wide 4 ft. deep course SW.
80.00 Set an iron post 3 ft. long 2 in. in diam.
24 in. 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 18 E S 12
in NE S 13 in SE and S 14 in SW quadrant.
Dig pits 18 x 18 x 12 in. in each. rec. 5½ ft.
dist. and raise a mound of earth 4 ft. base 2 ft.
high. W. of cor.
Land level.
Soil sandy 2nd rate.
No timber.
- 40.00 S 89° 59' E on a random line bet. sec. 12 and 13
Set temp ¼ sec. cor.
79.96 Intersect E. line of Twp on the cor. of sec. 7, 12
13 and 18, recently estab. by me & described in Exterior Book "T"
Thence I run
N 89° 59' W. on a true line bet. sec. 12 and 13.
Descend W. slope over rolling sandy land, through
sage and greasewood brush and bunch grass.
20.00 Foot of descent bears rolling land bears N and S.
enter level land bears N and S.
39.98 Set 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 12 on N half and 313 on
S half.

Subdivision of Twp 20 N. R 18 E

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Claims

Dig pits 18x18x12 ins. 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.

46.60 Dig ravine 100 lbs. wide 8 ft deep course SW.

79.96 The cor. of sec. 11, 12, 13 and 14, herebefore described.

Land level and rolling
Soil sandy 2nd and 3rd rate.
No timber.

N 0° 01' W. bet. sec 11 and 12

Over level sandy land through sage and greasewood 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 11 on W half and S 12 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.

52.00 Dig ravine 10 lbs wide 2 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 1, 2, 11 and 12 marked on brass cap T 30 N 82 in NW. R 18 E S 1 in N.E. S 12 in S.E. and S 11 in SW. quadrant

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

Land level

Soil sandy 2nd and 3rd rate.

No timber.

NOTE

At this cor I set off 208 1/2' S on the decl arc and at 12^h 09^m p.m. l.m. observed the sun on the meridian and obtain on the lat. arc a reading of 36° 01' N.

S 89° 59' E on a random line bet. sec 1 and 12

40.00 Set temp 1/4 sec. cor.

79.90 Dubuque & baby of 1/2 lbs. S of the cor. of sec 1, 6, 7 and 12, recently estab. by me & described in Exterior Book "T"
These I run

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Chains

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- Went on a true line bet. sec 1 and 12
Over level sandy land through sage and greasewood
bush undergrowth and bunch grass.
- 5.00 Dry ravine 150 lbs wide 10 ft. deep course SW.
- 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 brass cap
 $\frac{1}{4}$ 31 on N half and 312 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.
- 79.90 The cor. of sec 1, 2, 11 and 12, heretofore described.
Land level.
Soil sandy 2nd and 3rd rate.
No timber.

- N $0^{\circ}01'W$ on a random line bet. sec 1 and 2.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. bdy. of $\frac{1}{4}$ Sec 24 lks $289^{\circ}58'E$ of the cor. of sec 1,
2, 35 and 36, recently estab. by me & described in Exterior Book "T"
Therese Drum
- S $0^{\circ}11'E$ on a true line bet. sec 1 and 2
Over level sandy land, through sage and
greasewood bush undergrowth and bunch grass.
- 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
in the ground for $\frac{1}{4}$ sec. Cor marked on brass
cap $\frac{1}{4}$ 32 on W half and 31 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.
- 79.98 The cor. of sec 1, 2, 11, and 12, heretofore described.
Land level.
Soil sandy 2nd rate.
No timber.

March 15th 1909

March 13th 1909
At 7^h 30^m am ^{l.m.t.} Set off $35^{\circ}57' N$,
on the lat. arc, $2^{\circ}59' S$ on the decl. arc and
determine a meridian with the solar at the
cor. of sec 2, 3, 34 and 35 on the S bdy. of the

Subdivision of T₃₀N, R18E

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Chains

- recently estab. by me and described in Exterior Book "Q"
 T₃₀N Three Drum
 No 001' W^{ch} sec 34 and 35 -
 Ascend S slope over rolling sandy land through
 sage and greasewood brush undergrowth.
- 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 34
 on W half and S 35 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 3ft. long 2 ins. in diam., 24
 ins. in the ground for cor. of sec. 26, 27, 34 and 35 -
 marked on brass cap T₃₀N, S 27 in N.W. R18E S 26
 in N.E S 35 in S.E and S 34 in S.W. quadrant
 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 3rd rate.
 No timber.
- S 89° 54' E on a random line bet. sec. 26 and 35 -
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line 2 lks. S. of the cor. of sec.
 25, 26, 35 and 36, here in before described,
 Three Drum
 Walk on a true line bet. sec. 26 and 36 -
 Over rolling sandy land through sage and
 greasewood brush undergrowth and bunch grass.
- 25.00 Begin gradual ascent over E slope of ridge.
- 40.01 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 26 on N half and S 35 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.
- 44.00 Enter scattering pine on pine and cedar timber
 land N and S.
- 50.00 Top of ridge land N and S. desc W slope.
- 52.00 Leave timber land N and S.

Subdivision of T₄ 30 N. R 18 E

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Lohanis

BOOK 2595

80.02 The cor. of secs. 26, 27, 34 and 35, heretofore described.
 Land rolling
 Soil sandy 2nd rate.
 Timber pinon pine and cedar.

N 0° 01' W. bet. sec. 26 and 27.

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

24.50 Top of ridge bet. E and W, desc. gradually
 over N 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. 27 on W half and S 26 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 cor.

65.00 Foot of descent. Leave rolling land bet. E and W.
 Enter level land bet. E and W.

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 322 in N.W. T 18 E S 29
 in N.E. S 26 in S.E. and S 27 in S.W. quad.

Dig pits 18 x 18 x 12 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 and rolling.

Soil sandy 2nd and 3rd rate.

No timber.

East on a random line bet. sec. 28 and 26.

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

80.00 Intersect N and S line 3 lks. S of the cor. of sec.
 23, 24, 25 and 26, heretofore described,
 thence S.W.

S 89° 59' W. on a true line bet. sec. 28 and 26

Over level sandy land through sage and
 greasewood brush and dogwood and bunch grass

40.00 Set an iron post, 3 ft. long, 1 in. in diam, 26 ins.

Subdivision of T₃₀N. R₁₈E

11

Chairs

in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap
 $\frac{1}{4}$ S. 23 on N half and 326 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.

NOTE

At this cor. I set off $2^{\circ}56'$ S. on the decl. arc.
 and at $12^h 9^m 44^s$ pm. I observed the sun on
 the meridian, the resulting latitude being
 $35^{\circ}58\frac{1}{2}'$ N. nearly.

80.00 The cor. of sec. 22, 23, 26 and 27, hereinbefore described.

Land level.

Soil sandy 2nd and 3rd rate.

No timber.

N $0^{\circ}01'$ W. bet. sec. 22 and 23.

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

20.00 Level land toward E and W. enter rolling
 land toward E and W. ascend 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 22 on W half and 323 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.

50.00 Top of ridge toward E and W. desc. gentle N. slope

73.00 Dry ravine course N. E. and S.

80.00 Set an iron post. 3 ft. long 2 ins. in diam 24 ins.
 in the ground for Cor. of sec. 14, 15, 22 and 23
 marked on brass cap T₃₀N R₁₈E in N.W. R₁₈E
 S₁₄ in N.E. S₂₃ in S.E. and S₂₂ 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 level and rolling.

Soil sandy 2nd and 3rd rate.

No timber.

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- N $89^{\circ} 59' E$ on a random line bet. sec. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ Sec. cor.
 79.96 Intersect N and S line 3 lks; S of the cor. of sec. 13, 14, 23 and 24, heretofore described,
 Thence Drum
 $S 89^{\circ} 58' W$ on a true line bet. sec. 14 and 23.
 Over level sandy land, through, sage and greasewood
 brush undergrowth and bunch grass.
 35.00 Level land betw N and S., enter rolling
 land betw N and S.
 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 14 on N half and S 23 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.
 40.90 Dry ravine course S.E.
 79.96 The cor. of sec. 14, 15, 22 and 23, heretofore described.
 Land level and rolling,
 Soil sandy 2nd and 3rd rate.
 Nothing.

March 13th 1909

- March 16th ¹⁹⁰⁹ at 7^h 45^m am, L.M.T. Set off $35^{\circ} 59' N$,
 on the lapare, $1^{\circ} 48' S$, on the decl. arc and
 determine a meridian with the solar at
 the cor. of sec. 14, 15, 22 and 23, heretofore described,
 Thence Drum
 $N 0^{\circ} 01' W$. bet. sec. 14 and 15
 Ascend S.E. slope over rolling sandy land
 through sage and greasewood brush
 undergrowth and bunch grass.
 10.00 Top of ridge betw N.E. and S.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 15 on W. half and S 14 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.
 55.00 Bottom of depression betw N.W. and S.E.
 drain S.E. and S.W. slopes.

Chain

80.00 Set an iron post 3 ft. long 2 ins. in diam., 24 ins. in the ground for Cor. of secs 10, 11, 14, and 15 - marked on brass cap T 30 N. 310 in N.W. R 18 E S 11 in N.E. S 14 in S.E. and S 15 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.
Soil sandy 2nd and 3rd rate.
No timber.

N 89° 58' E on a random line bet. secs 11 and 14
40.00 Set temp. 1/4 sec. Cor.

79.94 Intersect N and S line 2 lbs. N. of the cor. of secs. 11, 12, 13 and 14, hereinbefore described, Thence draw

S 89° 59' W. on a true line bet. secs 11 and 14 Over level sandy land through sage and greasewood brush, undergrowth and bunch grass.

17.00 Dry ravine 10 lbs. wide 2 ft. deep course S.W.

26.00 Dry ravine 15 lbs wide 3 ft. deep course S.W.

39.97 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 11 on N. half and S 14 on S half. Dig pits 18 x 18 x 12 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.

42.00 Leave level land bet. N and S. enter rolling land bet. N and S. ascend gradually over slope

79.94 The cor. of secs. 10, 11, 14 and 15, hereinbefore described. Land level and rolling.

Soil sandy 2nd and 3rd rate.
No timber.

N 0° 01' W. bet. secs. 10 and 11

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

9.00 Top of ascent; leave rolling land bet. East W.

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- enter level land bears E and 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 10 on W half and S 11 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.
- 78.00 Leave level land bears N.W. and S.E. enter rolling land bears N.W. and S.E., descend gradually over N.E. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11 marked on brass cap T 30 N. S 3 in N.W. R 18 E S 2 in N.E. S 11 in S.E. and S 10 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 level and rolling.

Soil sandy 2nd and 3rd rate

No timber

NOTE At this cor. I set off $1^{\circ} 45'$ S. on the decl. arc and at 12^h 08^m 53^{sec} p.m. I observed the sun on the meridian the resulting latitude being $36^{\circ} 01' N$.

- N 89^o 59' E on a random line bet. secs. 2 and 11
- 40.00 Set trap $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N and S. line at S. of cor. of secs. 1, 2, 11 and 12, heretofore described,
thence draw
S 89^o 58' W. on a true line bet. secs. 2 and 11
Over level sandy land through sage and greasewood brush mid growth and bunch grass.
- 5.00 Dry ravine 8 ft. wide 2 ft. deep course S.W.
- 20.00 Leave level land bears N and S., enter rolling land bears N and S., ascend gradually over E slope
- 40.01 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 11 on S half

chains

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

80.02 The cor. of sec. 2, 3, 10 and 11, heretofore described.

Land level and rolling.
Soil sandy 2nd and 3rd rate.
No timber.

N 0° 01' W. on a true line bet. sec. 2 and 3.

40.00 Set temp. 1/4 sec. cor

80.06 Intersect N. line of Twp. 8 lks 58° 58' E of the cor. of sec. 2, 3, 34 and 35, recently estab. by me & described in Exterior Book "T"

Thence Run

S 0° 04' E on a true line bet. sec. 2 and 3.

Ascend N.W. slope over hilly sandy and stony land through heavy juniper pine and cedar timber.

5.00 Top of ridge bet N.E. and S.W. desc. S.E. slope.

24.00 Dry ravine course W. asc.

32.00 Top of rocky ridge bet E and W. desc S slope.

35.00 Near stony land bet E and W.

38.75 Indian hog wall on line.

40.06 Set a iron post. 3 ft. long 1 in. in dia and 26 in. in the ground for 1/4 sec. cor. marked out by a cap 4 S 3 on W half and S 2 on E half from which.

A Cedar 5 in. in diam. bet N 75 1/4° E 268. lks. dist. marked 1/4 S 2 B.T.

A Cedar 10 in. in diam. bet S 50 1/4° W 158 lks. dist. marked 1/4 S 3 B.T.

55.00 Leave timber bet N.E. and S.W.

80.06 The cor. of sec. 2, 3, 10 and 11, heretofore described.

Land rolling and hilly.
Soil sandy and stony 2nd and 3rd and 4th rate.
Timber juniper pine and cedar.

March 16th 1909

March 17th 1909
At 7^h 45^m am ^{l.m.t.} Dip of 35° 57' N. on the cap. arc. 1° 24' S on the decl. arc and determine a meridian with the solar alt.

BOOK 2595

the true point for ~~sec 34~~ 34, 33 and 34 on the S. E. by of the
 W. Ch. 1.00 ch. 5, 89° 59' E
 M₁ recently established by me & described in Exterior Book "Q."
 Thence Drive from true point for cor. of. sec 34, 33 and 34
 No° 02' W. Ch. sec 33 and 34

Descend N. slope over stony land through scattering
 pinon pine and cedar timber.

3.00 Leave stony land bear E. and W. - enter sandy land
 bear E. and W.

9.00 Dry ravine 15 lbs. wide 4 ft. deep cross W.

22.00 Leave timber bear E. and W. enter sage and
 greasewood brush undergrowth and bunch grass.

40.00 Set an iron post 3 ft. long 1 in. in diam. 2 6 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on bear cap
 $\frac{1}{4}$ S 33 on W half and S 34 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.

56.00 Enter scattering cedar timber bear E and W.

62.00 Leave timber bear E and W.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 2 4
 ins. in the ground for cor. of sec. 27, 28, 33
 and 34, marked on bear cap T 30 N S 28 in
 N.W. R 18 E S 27. in N.E S 34 in S.E and S 33 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 1 2
 ft. high W. of cor.

Land rolling and hilly.

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

Timber pinon pine and cedar.

S 89° 59' E. on a random line bet. sec 27 and 34

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

79.90 Intersect N and S line 3 lbs. S of the cor. of
 sec 26, 27, 34 and 35, herein before described,

Thence Drive

West on a true line bet. sec. 27 and 34

Descend gradually over S.W. slope, through
 sage and greasewood brush undergrowth
 and bunch grass.

Chains

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- 10.00 Foot of descent in depression bears N.E. and S.W. drains S.W. are gradually over S.E. slope)
- 39.95 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 27 on N half and S $34\frac{1}{2}$ on S half.
- Dig pits 18x18x12 ins. East W. of post 3ft. dit. and raise a mound of earth $3\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high $\frac{1}{6}$ of cor.
- 50.00 Road bears N and S.
- 56.00 Enter scattering pinon pine and Cedar timber bears N.E. and S.W.
- 73.00 Top of ridge bears N. and S. desc.
- 75.00 Last timber bears N and S.
- 79.90 The cor. of secs 27, 28, 33 and 34, hereinafter described.
Land rolling.
Soil sandy 2nd and 3rd rate.
Timber pinon pine and cedar.

No 002 W. bet. secs 27 and 28

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

- 18.00 Enter scattering pinon pine and cedar timber bears East W.
- 35.00 Top of ridge bears East W. desc. N. slope.
- 37.00 Last timber bears East W.
- 40.00 Set an iron post 3ft. long, 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 28 on W. half and S 27 on E. half.
- Dig pits 18x18x12 ins. N. and S. of post 3ft. dit. and raise a mound of earth $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
- This cor. is situated at the foot of descent in a depression bears East W. drains to the west; ascend S. slope.
- 67.00 Top of ridge bears NW and S.E. desc.
- 80.00 Set an iron post 3ft. long 2 in. in diam. 24 ins. in the ground for cor. of secs 21, 22, 27 and 28. marked on brass cap. T 30 N. S 21 in N.W. R 18 E.
S 22 in N.E. S 27 in S.E. and S 28 in S.W. quadrants
Dig pits 18x18x12 ins in each sec. 5 $\frac{1}{2}$ ft. dit. and.

Subdivision of Twp 30 N. R 18 E.

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raise a mound of earth 4 ft base, 2 ft high W. of cor.
Land rolling and hilly.

Soil sandy 2nd and 3rd rate.

Timber prairie pine and cedar.

East on a random line bet. sec. 22 and 27.

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

79.94 Intersect N. and S. line at the cor. of sec. 22, 23, 26 and 27, heretofore described,

Thence Drive

West on a true line bet. sec. 22 and 27.

Over level sandy through sage and greasewood brush, undergrowth and bunch grass.

6.00 Leave level land from N.E. and S.W., enter rolling land from N.E. and S.W. arend gradually over N.E. slope.

39.97 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. 22 on N. half and S 27 on S. half.

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 W. of cor

79.94 The cor. of sec. 21, 22, 27, and 28, heretofore described.

Land level and rolling.

Soil sandy. 2nd and 3rd rate.

No timber.

N 0° 02' W. bet. sec. 21 and 27.

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

28.00 Foot of descent in depression from East W., drained East. arend gradually over S. slope.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. mk'd. on brass cap. $\frac{1}{4}$ S 21 on W. half and S 22 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.

NOTE

At this cor. D set off 1° 21' S. on the decl. arc and at

Observations

- 12^h 8^m 37^{sec} p.m. I met observer the sun on the meridian and obtain on the lat. arc, a reading of 35° 59' 41".
- 46.00 Top of ridge bears E and W. - Enter scattering cedar and pinion pine timber bears E and W., desc. gradually over N. slope.
- 78.50 Dry ravine at foot of descent Course S.W. arc.
- 80.00 Set an iron post 3ft long 2 ins. in diam., 24 ins. in the ground for cor. of sec. 15, 16, 21 and 22, marked on brass cap T₃₀N. R₁₈E S 16 in N.W. R₁₈E S 15 in N.E. S 22 in S.E. and S 21 in S.W. quadrant, from which.
- A Cedar 5 ins. in diam. bears N. 72° E 131 lks. dist. mk'd. T₃₀N. R₁₈E S 16 B.T.
- A Cedar 12 ins. in diam. bears S 41½° E 108 lks. dist. mk'd. T₃₀N. R₁₈E S. 22 B.T.
- A Cedar 8 ins. in diam., bears S 72° W 172 lks. dist. mk'd. T₃₀N. R₁₈E S. 21 B.T.
- A Cedar 18 ins. in diam. bears N 40½° W 15 lks. dist. mk'd. T₃₀N. R₁₈E. S 16 B.T.
- Land rolling.
Soil sandy 3rd rate.
Timber pinion pine and cedar.

- 40.00 Cash on a random line bet. sec. 15 and 22.
- 79.94 Set temp ¼ sec. cor.
- 79.94 Intersect N and S. line 2 lks. N. of cor. of sec. 14, 15, 22 and 23, heretofore described,
Thence Drive
- ON 89° 59' W on a true line bet. sec. 15 and 22
- Ascend E. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.
- 38.00 Enter scattering cedar and pinion pine timber bears N.E. and S.W.
- 39.97 Set an iron post 3ft long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap. ¼ S 15 on N. half and S 22 on S. half. from which.
- A cedar 4 ins. in diam. bears N 16° E 42 lks. dist. mk'd. ¼ S 15 B.T.
- A cedar 6 ins. in diam. bears S 78½° E 86 lks. dist. mk'd. ¼ S 22 B.T.
- 72.00 Top of ridge bears N.E. and S.W. desc.

Subdivision of T₃₀N₁₈E

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Chains

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79.94 The cor of sec 15, 16, 21 and 22, heretofore described.
Land rolling.
Soil sandy and a dobs 2nd and 3rd rate.
Timber pino pine and cedar.

N⁷⁰°02'W. bet. sec. 15 and 16.

Ascend S.W. slope over sandy land through scattering pino pine and cedar timber.

14.00 Leave sandy land head East W. Enter stony land head East W.

32.00 Top of rocky spur head East W. descend N.W. slope

40.00 The point for the $\frac{1}{4}$ sec. cor falls in the bottom of a dry ravine course W. unsuitable for the establishment of a permanent cor. therefore I continue my line, ascend S slope

41.00 Set an iron post 3 ft long 1 in. in diam. 26 in. in the ground for witness cor. to the $\frac{1}{4}$ sec. cor., marked as brass cap T 30 N. T 18 E S 16 on W half. S 15 on E half; and W.C. $\frac{1}{4}$ in S. half.

No trees suitable for bearing trees available.

Dig pits 18x18x12 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.

72.00 Top of rocky spur head East W. desc.

74.00 Leave timber head N.E. and S.W.

80.00 Set an iron post 3 ft long 2 in. in diam. 24 in. in the ground for cor. of sec. 9, 10, 15, and 16, marked as brass cap. T 30 N. 39 in N.W. T 18 E S 10 in N.E. S 15 in S.E. and S 16 in S.W. quadrant.

Dig pits 18x18x12 in. 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 3rd and 4th rate.
Timber pino pine and cedar.

89°59'E on a random line bet. sec. 10 and 15
40.00 Set temp $\frac{1}{4}$ sec. cor.

79.94 Intersect N and S. line 3 lks. S. of the cor. of sec. 10, 11, 14 and 15, heretofore described.
Thence Drun

Subdivision of T₄ 20 N. R18E.

Chains

- Work on a true line bet. sec. 10 and 15
 Ascend S.E. slope over rolling sandy land through sage
 and greasewood bush undergrowth and bunch grass.
- 39.97 Set an iron post 3ft. long in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S10 on W half
 and S15 on S. half.
- 58.00 Dig pits 18x18x12 ins. East W. 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.
- 62.00 Enter scattering pinon pine and cedar timber tract
 N.E. and S.W.
- 72.00 Top of ridge bears N.E. and S.W. desc. N.W. slope.
- 77.00 Leave timber tract N.E. and S.W.
- 79.94 The cor. of sec. 9, 10, 15 and 16, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 Timber pinon pine and cedar.

March 17th 1909

- March 20th 1909 ^{h. m. l. mt.} At 1:30 p.m. set off. 36^h 00' N. on the lat. arc.
 0^s 8^s 2^s south the decl. arc and determine a meridian with
 the solar at the cor. of sec. 9, 10, 15 and 16; ^{heretofore} described,
 Thence Drive
- 16.50 W 0° 02' W bet. sec. 9 and 10.
 Descend N.W. slope over rolling sandy land through
 scattering sage bush and bunch grass
- 40.00 Dry road course N.W. and gradually over S.W. slope
 Set an iron post 3ft. long in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 9
 on W half and S10 on E half.
 Raise a mound of stone 2ft. base 1 $\frac{1}{2}$ ft. high W. of
 cor. . This impracticable.
- 48.00 Top of stony ridge bears N.W. and S.E. thence over N.E.
 slope.
- 80.00 Set an iron post 3ft. long 2 ins. in diam. 24 ins. in the
 ground for cor. of sec. 9 and 10 marked on brass cap.
 T 30 N S 4 in N.W. T 18 E S 3 in N.E. S10 in S.E. and S 9 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 and stony 2nd and 3rd rate.

No timber -

BOOK 2595

- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.92 Intersect N and S. line 3 lks. S. of the cor. of sec 2, 3, 10 and 11, heretofore described.
 Tunnel Draw
 S 89° 59' W. on a true line bet. sec. 3 and 10
 Ascend gradually S.E. slope over rolling sandy land through scattering sage brush and bunch grass.
 34.00 Enter scattering pinion pine and cedar timber bear N. and S.
- 33.00 Top of ridge bear N.E. and S.W. desc. gradually over N.W. slope.
- 39.96 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked out bear cap $\frac{1}{4}$ S 30° N. half and S 10° on S half. from which
 A cedar 5 in. in diam. bear N 43 $\frac{1}{2}$ ° E 50 lks. dist. marked $\frac{1}{4}$ S 3 B.T.
 A pinion pine 6 in. in diam. bear S 45 $\frac{1}{2}$ ° W 161 lks. dist. marked $\frac{1}{4}$ S. 10 B.T.
- 57.00 Bear timber bear N.E. and S.W.
- 71.00 Dry ravine corner N. and E slope.
- 79.92 The cor. of sec. 3, 4, 9 and 10, heretofore described.
 Land rolling.
 Soil sandy 2nd and 3rd rates
 Timber pinion pine and cedar.

- No° 82' W. on a random. line bet. sec 3 and 4
- 40.00 Set temp $\frac{1}{4}$ Sec. cor.
- 79.96 Intersect N. ldy. of Np. 3 lks. S 89° 59' E of the cor. of sec. 3, 4, 33 and 34, recently estab. by me & described in Exterior Book "T"
 Tunnel Draw
 S 0° 03' E on a true line bet. sec. 3 and 4
 Over level sandy land, through scattering sage and greasewood brush, undergrowth and bunch grass
 3.00 Bear level land bear N.E. and S.W. Enter rolling land bear N.E. and S.W., ascend gradually over N.W. slope.

- 8.00 Top of low ridge bears E and W, decl 3 slope
- 32.00 Dry ravine 20 lvs. wide 8 ft. deep. course N.W. asc.
- 39.00 Top of low ridge bears N.W. and S.E. desc.
- 39.96 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
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.
- 58.00 Dry ravine course N.W. asc. gently
- 63.00 Top of low ridge bears N.W. and S.E. desc.
- 69.00 Dry ravine course N.W. asc. gradually over N.W. slope.
- 79.96 The cor. of sec. 3, 4, 9 and 10, hereinbefore described.
Land rolling and hilly
Soil sandy 3rd rate.
No timber.

March 20th 1909

- 1909
March 18th 1909 At 7h 15^m a.m. l.m.t. Dep. off. 35° 57' N. on the lat arc 1° 01' S. on the decl. arc. and determined a meridian with the solar at the cor. of sec. 4, 5: 32 and 33. ^{recently set by me and described in Exhibit Book "Q"} on the S. fly. of T₃₀N. Hence I run N 0° 03' W. bet. sec. 32 and 33,
Over rolling sandy land through sage and greasewood bush undergrowth, and bunch grass.
- 10.00 Bottom of depression drains to the S.E. ascend gradually over 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 32 on W. half and S 33 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.
 - 79.60 Wood road bears N.W. and S.E.
 - 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 28, 29, 32 and 33. marked on brass cap, T₃₀N S 29 in N.W., T₁₈E S 28 in N.E. S 33 in S.E. and S 32 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.

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Soil sandy 2nd and 3rd rate.
No timber.

- 40.00 S89°59' E. on a random line bet. sec. 28 and 33.
Set temp. 1/4 sec. cor.
- 79.96 Intersect N and S line at the cor. of sec. 27, 28, 33 and 34
herebefore described.
Thence down
N89°59' W. on a true line bet. sec. 28 and 33.
Descend W. slope over rolling sandy land through scattering
sage and greasewood bush undergrowth and bunch
grass.
- 9.50 Wood road bears N and S.
- 39.98 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 28 on N. half and
S 83 on S half.
Dig pits 18x18x12 ins. E. and W. of post. 3ft. dia. and
raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
- 57.00 Foot of descent in depression which drains to the S.W.
ascend S.E. slope.
- 79.96 The cor. of sec. 28, 29, 32 and 33, herebefore described.
Land rolling.
Soil sandy 2nd and 3rd rate.
No timber.

- N0°03' W. bet. sec. 28 and 29
Ascend S.E. slope over rolling sandy land through sage
and greasewood bush and bunch grass.
- 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 29 on
W. half and S 28 on E half.
Dig pits 18x18x12 ins. N and S of post. 3ft. dia. and
raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W
of cor.
- 76.00 Top of high ridge bears N.E. and S.W. dec. over N.W. slope.
- 80.00 Set an iron post 3ft. long 2 in. 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 N.W. T 18 E S 21 in N.E. S 28 in
S.E. and S 29 in S.W. quadrant.
Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia. and

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Chains

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 S 89° 59' E on a random line bet. sec. 21 and 28
Set temp 1/4 sec. cor.

80.00 Intersect N and S. line at the cor. of sec. 21, 22, 27
and 28, heretofore described,
Thence S run

N 89° 59' W. on a true line bet. sec. 21 and 28.

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

7.00 Enter scattering pinion pine and cedar timber land
N.E. and S.W.

11.00 Leave timber land N.E. and S.W.

24.50 Top of ridge bet N.W. and S.E. desc. gradually over
S.W. slope.

38.00 Dry ravine course S. asc.

40.00 Set an iron post 3 ft long 1 in in diam. 26 in. in
the ground for 1/4 sec. cor. marked in brass cap 1/4
S 21 on N. half and S 28 on S half.

Dig pits 18 x 18 x 12 in S 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.

76.00 Top of ridge bet N.E. and S.W. desc. over W. slope.

80.00 The cor. of sec. 20, 21, 28 and 29, heretofore described.

Land rolling.

Soil sandy 2nd and 3rd rate.

Timber pinion pine and cedar.

N 0° 03' W. bet. sec. 20 and 21.

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

5.00 Enter scattering pinion pine and cedar timber land
N.E. and S.W.

6.00 Dry ravine course N.W. asc.

7.50 Peak of ridge bet N.W. and S.E. desc.

Subdivision of $N\frac{1}{2}$ 30' N. R18 E

26

Chains

BOOK 2595

- 9.00 Dry ravine 10 lbs. wide 3 ft. deep course N.W.
- 16.00 Clear timber land E and W.
- 29.50 Dry ravine 15 lbs. wide 4 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 base cap. $\frac{1}{4}$ S 20 on W. half and S 21 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.
- 60.50 Dry ravine 60 lbs wide 8 ft. deep course W. are gradually over S. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of Secs. 16, 17, 20 and 21, marked on base cap T 30 N 817 in N.W. T 18 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. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
- Land rolling and hilly.
Soil sandy 3rd rate.
Timber pinon pine and Cedar.
- NOTE On this cor. I set off $0^{\circ} 57\frac{1}{2}'$ S on the decl. arc and at 12^h 8^m 19^{sec} p.m. I observed the sun on the meridian the resulting latitude being $35^{\circ} 59' N$.
- S 89 $^{\circ}$ 59' E on a random line bet. sec. 16 and 21
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. and S. line 3 lbs. N. of the cor. of sec. 15, 16, 21 and 22, heretofore described.
- Thence Drive
- N 89 $^{\circ}$ 58' W. on a true line bet. sec. 16 and 21.
- Ascend gradually, S.E. slope over hilly sandy land. through scattering pinon pine and cedar timber and sage and greasewood bush undergrowth.
- 7.00 Top of ridge head N.E. and S.W. desc.
- 17.00 Dry ravine 8 lbs wide 3 ft. deep course N.W.
- 38.00 Clear timber land N. and S.
- 40.02 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 16 on N half and S 21 on S half. from which.

Cedar 8 ins. in diam. bear N 71° E 197 lbs. dist. marked $\frac{1}{4}$ S 16 B.T.

Cedar 12 ins. in diam. bear S 74° E 256 lbs. dist. marked $\frac{1}{4}$ S 21 B.T.

62.00 Dry ravine 80 lks wide 10 ft. deep Course N.W. asc. N.E. slope of low ridge.

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

80.04 The cor. of secs. 16, 17, 20 and 21, heretofore described. Land hilly.

Soil sandy 3rd rate.

Timber prairie pine and cedar.

N 0° 03' W. bet. sec. 16 and 17.

Descend N.W. slope of ridge over hilly sandy land, through sage and greasewood bush undergrowth and bunch grass

6.50 Dry ravine 40 lks. wide 3 ft. deep course N.W. and gradually over S.W. 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 17 W W half and S 16 W 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.

49.00 Top of ridge bear N.W. and S.E. desc.

69.00 Top of bench in depression, drained to N.E.

leave hilly land bear N.E. and S.W. Enter rolling sandy land bear N.E. and S.W. ascend gradually over 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. 8, 9, 16 and 17, marked on brass cap T 30 N. S 8 in N.W. T 18 E S 9 in N.E.

S 16 in S.E. and S 17 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 3rd rate.

No timber.

Subdivision of $\frac{1}{4}$ 30 N. R18 E

28 Chains

BOOK 2595

- 40.00 S $89^{\circ}58'E$ on a random line bet. sec. 9 and 16.
- 80.00 Set temp $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line 3 lks N. of the cor. of sec. 9, 10, 15 and 16, heretofore described.
- Thence Drum
- N $89^{\circ}57'W$. on a true line bet. sec. 9 and 16.
- Descend N.W. slope over hilly sandy land through sage and greasewood brush undergrowth.
- 40.00 Enter scattering Cedar timber trees N.W. and S.E.
- 9.00 Leave timber trees N.W. and S.E.
- 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 9 on W. half and S 16 on S half.
- Dig pits 18x18x12 ins. East W. of post 3ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 70.00 Foot of descent in depression drains to the N.E. Leave hilly land near N.E. and S.W., enter rolling land near N.E. and S.W., ascend gradually over N.E. slope.
- 80.00 The cor. of sec. 8, 9, 16, and 17, heretofore described.
- Land rolling and hilly.
- Soil sandy 8th rate.
- Timber Cedar.

March 18th 1909

- 1909
- March 21st At 8^h 30^m am ^{lmt.} set off 36^{00'} N. on the lat. arc. $0^{\circ}11'$ N. on the decl. arc and determined a meridian with the solar at the cor. of sec. 8, 9, 16, and 17, heretofore described.
- Thence Drum
- N $0^{\circ}03'W$ bet. sec. 8 and 9.
- Descend N.E. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.
- 38.00 Foot of descent in depression drains to the N.W. and gradually over S.W. 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 8 on W. half and S 9 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.

Schauins

29

of cor.
 80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the ground for cor. of sec. 4, 5, 8 and 9, marked on brass cap T 30 N 35 in N.W. R 18 E S 4 in N.E. S 9 in S.E. and S 8 in S.W. Quadrant.
 Dig pits 18 x 18 x 12 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 rolling.
 Soil sandy 3rd rate.
 No timber.

40.00 S 89° 57' E on a random line bet. sec. 4 and 9.
 80.04 Set temp. 1/4 sec. cor.
 80.04 Intersect N and S line 5 lks. N. of the cor. of sec. 3, 4, 9 and 10, heretofore described.
 Thence down
 N 89° 55' W. on a true line bet. sec. 4 and 9
 Descend gradually over N.W. slope, through scattering sage and greasewood bush undergrowth and bunch grass.
 20.00 Top of descent in depression, drain to the north ascend E. slope.
 26.00 Top of spur bear N and S. desc. over W. slope.
 40.02 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 W on N. half and S. 9. 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 1/2 ft. base 1 1/2 ft. high. N. of cor.
 80.04 The cor. of sec. 4, 5, 8 and 9, heretofore described.
 Land rolling.
 Soil sandy 2nd and 3rd rate.
 No timber.

40.00 N 0° 03' W. on a random line bet. sec. 4 and 5
 40.00 Set temp. 1/4 sec. cor.
 79.90 Intersect N. ldy of Twp. 3 lks. N. 89° 58' W. of the cor. of sec. 4

Subdivision of Twp 30 N, R18 E

30

Chains

BOOK 2595

- 5.32 and 33, recently estab. by me & described in Exterior Book "T"
Thence Drun
S⁰ 02' E on a true line bet. sec. 4 and 5.
Over level sandy land through sage and greasewood brush
undergrowth and bunch grass.
- 19.00 Wood road bear N.E. and S.W.
21.00 Wood road bear N.W. and S.E.
38.00 Level level land bear N.W. and S.E. Around N.E. slope
over rolling land bear N.W. and S.E.
- 39.90 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
5 on W. half and S 4 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.
- NOTE At this cor. Set off 0° 14' N. on the decl. arc
and at 12^h 7^m 25^{sec.} p.m. limit observe the sun on
the meridian and obtain on the lat. arc. a reading
of 36° 01 $\frac{1}{2}$ N
- 49.00 Top of ridge bear N.W. and S.E. due.
79.90 The cor. of sec. 4, 5, 8 and 9, hereinbefore described.
Land level and rolling.
Soil sandy 2nd and 3rd rate.
No timber.

March 21st 1909

- March 19th ¹⁹⁰⁹ at 7^h 00^m a.m. ^{l.m.t.} Set off 35° 57' N. on
the lat. arc. 0° 37' S. on the decl. arc. and determine
a meridian with the solar at the cor. of sec. 5, 6,
31 and 32. on S. side of Twp. ^{recently estab. by me and described}
in Exterior Book "Q"
Thence Drun
N 70° 03' W. bet. sec. 31 and 32.
Around S.E. slope over rolling sandy land, through
sage and greasewood brush undergrowth and bunch
grass.
- 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 31 on W. half and S 32 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.

Subdivision of N 30 W, R 18 E

Chain

31

48.00 Enter scattering cedar timber near E. and W.
 52.00 Top of high ridge near E and W. due N. slope
 cedar timber near 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. 29, 30, 31 and 32
 marked on brass cap T 30 N. S 30 in N. W. T 18 E S 29
 in N. E. S. 32 in S. E., and S 31 in S. W. quadrants.
 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.
 Soil sandy 2nd and 3rd rate.
 Timber cedar.

S 89° 59' E on a random line bet. sec. 29 and 32.
 40.00 Set temp 1/4 sec. cor.
 80.00 Intersect N and S line 2 lks S of the cor. of sec.
 28, 29, 32 and 33, heretofore described,
 Thence drum,
 West on a true line bet. sec. 29 and 32
 descend SW. slope over rolling sandy land through
 sage and greasewood brush undergrowth and bunch
 grass
 0.40 Wood road bear N. W. and S. E.
 26.00 Foot of descent in depression, drains S. E. are.
 gradually N. E. slope.
 40.00 Set an iron post 3 ft. long, 1 1/2 in. in diam. 26 ins. in
 the ground for 1/4 sec. cor. marked on brass cap.
 1/4 S 29 on N. half and S 32 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 1/2 ft. base 1 1/2 ft. high.
 N. of cor.
 80.00 The cor. of sec. 29, 30, 31 and 32, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.

N 89° 59' W on a random line bet. sec. 30 and 31

Subdivision of Twp 20 N. R18 E.

32

Behrens

BOOK 2595

- 40.00 Set trap $\frac{1}{4}$ sec. cor.
- 79.18 Intersect W. boundary of Twp. 5 lks. N. of the cor. of sec. 25, 30, 31 and 36, recently estab. by me & described in Exterior Book "U"
Thence I run
N 89° 59' E. on a true line bet. sec. 30 and 31
Descend gradually N.E. slope over rolling sandy land through scattering pine and cedar timber,
5.00 level rolling land toward N and S. Enter stony hilly land toward N and S.
- 7.00 Dry ravine course N. asc.
- 11.00 Point of spur toward S. desc.
- 15.50 Dry ravine course N. asc.
- 30.00 Top of rocky spur toward N.E. and S.W. desc.
- 33.00 Dry ravine course N. asc.
- 35.00 Top of rocky spur toward N and S desc.
- 39.00 Dry ravine course N.W. asc.
- 39.18 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. 30 on N half, and S 31 on S half, from which
A cedar 10 in. in diam. toward N 55° W 175 lks. dist. marked $\frac{1}{4}$ S 30 P.T.
A cedar 12 in. in diam toward S 11 $\frac{1}{2}$ ° E 142 lks. dist. marked $\frac{1}{4}$ S. 31 P.T.
- 43.00 Top of rocky spur toward N and S. desc.
- 47.00 Dry ravine course N.W. asc.
- 50.00 Top of rocky ridge toward N.E. and S.W. desc.
- 56.00 The slope changes from steep to abrupt.
- 58.00 Foot of abrupt descent; level stony land toward N.E. and S.W. Enter rolling sandy land toward N.E. and S.W.
- 68.00 Leave timber toward N.E. and S.W.
- 79.18 The cor. of sec. 29, 30, 31 and 32, heretofore described.
Land rolling and hilly.
Soil sandy and stony 3rd and 4th rates.
Timber pine, oak, pine and cedar.

N 0° 03' W. bet. sec. 29 and 30
Descend N.E. slope over rolling sandy land through scattering sage and greasewood brush and dogwood and bunch grass.

Chain

- 29.00 Foot of descent in depression from N.W. and S.E., drains to the S.E. ascend gradually S.W. slope.
- 39.00 Enter scattering pinion pine and cedar timber from N.W. and S.E.
- 39.20 Top of ridge from N.E. and S.W. desc gradually over N.W. slope.
- 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. N 330 on W half and S 29 on E half, from which. A cedar 14 in. in diam. bears S 72° E 38 lks. dist. marked $\frac{1}{4}$ S 29 B.T.
- A pinion pine 10 in. in diam. bears S 63 $\frac{1}{4}$ ° W 49 lks. dist. marked $\frac{1}{4}$ S 30 B.T.
- 51.00 Dry ravine course N.E. asc. gradually.
- 54.00 Top of ridge from N.E. and S.W. desc. Clear timber from N.E. and S.W.
- 76.00 Foot of descent in depression from N.E. and S.W. drains to the N.E. ascend gradually over S.E. slope.
- 80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap. T 30 N. S 19 in N.W. T 18 E S 20 in N.E. S 29 in S.E. and S 30 in S.W. quadrant.
- Dig pits 18 x 18 x 12 in. 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 2nd and 3rd rate.
- Timber pinion pine and cedar.
- NOTE Ob the cor. Ditch off. 0° 33 $\frac{1}{2}$ ' S. on the decl arc, and at 12^h 8^m 1.5^{sec} pm. L. observe the sun on the meridian the resulting latitude being 35° 58 $\frac{1}{2}$ ' N.

- 40.00 East on a random line bet. sec. 20 and 29.
- Set trap $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line 5 lks N. of the cor. of sec. 20, 21, 28 and 29, therein before described
- Thence & run
- N 89° 58' W. on a true line bet. sec. 20 and 29.
- Descend N.W. slope over rolling hilly sandy land. Through scattering sage and greasewood bush. undergrowth and bunch grass.

Subdivision of Twp 30 N. R18 E

34

Chains

BOOK 2595

- 8.00 Enter scattering cedar timber near N.E. and S.W.
- 9.50 Dry ravine course N.W. cor.
- 21.00 Top of ridge near N.W. and S.E. desc.
- 35.50 Wood road near N.W. and S.E., leave timber near N. and S.
- 39.99 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 m N. half and S 29 on S half.
- Dig pits 18x18x12 ins. East W. of post 3ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. N. of cor.
- 49.00 Dry ravine 80 lks. wide 15 ft. deep course N.W. cor. gradually.
- 79.98 The cor. of sec. 19, 20, 29 and 30, heretofore described.
- Land rolling and hilly.
Soil sandy 3rd rate.
Timber Cedar.
-
- S 89° 59' W. on a random line bet. sec. 19 and 30.
- 40.00 Set top $\frac{1}{4}$ sec. cor.
- 79.00 Intersect W. bdy. of Twp. 30 N. S. 4th cor. of sec. 19, 20, 25 and 30, ^{recently estab. by ~~town~~ and described in Exterior Book "U"} thence $\frac{1}{4}$ sec. course
- East on a true line bet. sec. 19 and 30.
- Over rolling sandy land, through sage and greasewood brush undergrowth and bunch grass.
- 4.00 Dry ravine 80 lks. wide 15 ft. deep course N.W. cor. gradually over S.W. slope.
- 24.00 Enter scattering piñon pine and cedar timber near N.W. and S.E.
- 39.00 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 19 on N. half, and S 30 on S half, from which
- A cedar 8 ins. in diam. near S 4 $\frac{3}{4}$ E 186 lks. dist., marked $\frac{1}{4}$ S. 30 B.T. No other trees available.
- Dig pits 18x18x12 ins. East W. of post 3ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. N. of cor.
- 53.00 Dry ravine 8 lks. wide 3ft. deep. course S.W.
- 58.00 Top of ridge near N.E. and S.W. desc. gradually.
- 74.00 Leave timber near N. and S.
- 79.00 The cor. of sec. 19, 20, 29 and 30, heretofore described.
- Land rolling.
Soil sandy 3rd rate.
Timber piñon pine and cedar.

Subdivision of Twp 30 N. R 18 E.

Chains.

35

N⁰ 03' W. line sec. 19 and 20.

- Ascend S.E. slope on hilly sandy land through scattering sage and greasewood brush undergrowth and bunch grass
- 6.00 Enter scattering prairie pine and Cedar timber trees N.E. and S.W.
- 15.00 Top of ridge bears N.E. and S.W. desc.
- 23.00 Dry ravine course N.E. asc.
- 34.00 Top of ridge bears N.E. and S.W. desc.
- 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 base cap $\frac{1}{4}$ S 19 on W. half and S 20 on E. half from which.
- A prairie pine 8 ins. in diam. bears N 11 $\frac{1}{4}$ ° E 131 lbs. dia. marked $\frac{1}{4}$ S 20 B.T.
- A cedar 10 ins. in diam bears N 27 $\frac{1}{2}$ ° W. 65 lbs. dia. marked $\frac{1}{4}$ S 19 B.T.
- 55.00 Bears timber bears N.W. and S.E.
- 80.00 Set an iron post 3ft long 2 in. in diam. 24 ins. in the ground for cor. of sec. 17, 18, 19 and 20, marked on base cap T 30 N. S. 18 in N.W. N 18 E S 17 in N.E. S 20 in S.E. and S 19 in S.W. quadrant.
- Dig pits 18x18x12 ins in each sec. 5 $\frac{1}{2}$ ft dia. and raise a mound of earth 4ft. base 2ft high. W of cor.
- Land hilly.
- Soil sandy 3rd rate.
- Timber prairie pine and Cedar.

S 89° 58' E in a random line bet. sec. 17 and 20.

- 40.00 Set tarp $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line 3 lks. N. of the cor. of sec. 16, 17, 20 and 21, ^{hence described} thence ~~to~~

N 89° 57' W. on a true line bet. sec. 17 and 20.

- Descend N.W. slope on rolling sandy land through sage and greasewood undergrowth and bunch grass
- 0.40 Dry ravine course N.W. ascend gradually N.E. slope.
- 13.00 Top of low ridge bears N. and S. desc.
- 34.99 Set an iron post 3ft. long 1 in. in diam 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on base cap $\frac{1}{4}$ S 17 on N. half and S 20 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.
- 58.00 Foot of descent in depression. bears N and S. drains to the north on gently E. slope of low ridge.
- 70.00 Top of ridge bears N and S. desc.

BOOK 2595

79.98 The cor of sec. 17, 18, 19 and 20; heretofore described.
Land rolling.
Soil sandy 3rd rate.
No timber.

March 19th 1909

¹⁹⁰⁹ March 20th At 7^h 00^m am. L. m. b. Dist. off. 35° 59' N. on the lat. arc. 0° 18' S. on the decl. arc and determine a meridian with the solar at the cor. of sec. 17, 18, 19 and 20. Thence ^{heretofore described} Draw West on a random line bet. sec. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor.78.84 Distance to ^{W. corner of Twp.} at the cor. of sec. 18, 19 and 20 recently estab. by the land described in Exterior Book "U" Thence Draw

East on a true line bet. sec. 18 and 19.

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

10.00 Level land bears N.E. and S.W. entire rolling land bears N.E. and S.W. ascend gradually on N.W. slope.

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

38.84 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 18 on N. half and S 19 on S half.Dig pits 18 x 18 x 12 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 W. of cor.

39.30 Dry ravine course N. asc. gradually W. slope.

42.00 Wood road bears N. and S.

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

78.84 The cor of sec. 17, 18, 19 and 20, heretofore described.

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

N 0° 03' W bet. sec. 17 and 18.

Descend N slope over rolling sandy and hilly land.

6.00 Dry ravine course N.W. asc.

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

26.00 Dry ravine course N.W. asc. S.W. 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 18 on W half and S 17 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.

42.00 Wood road bears N.E. and S.W.

Subdivision of T₄ 30 N. R18 E.

Chain

62.00 Top of high ridge bears N.E. and S.W. desc. gradually.
 80.00 Set an iron post 3ft. long 2 in. diameter 24 in. in the ground for cor. of sec. 7, 8, 17 and 18 marked on bear Cop T30N37 in N.W. R18838 in N.E. S17 in S.E. and S18 in S.W. quadrant. Dig pits 18x18x12 in. in each sec 5 1/2 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land rolling and hilly. Soil sandy 3rd rate. No timber.

89°57' E on a random line bet. sec. 8 and 17.
 40.00 Set temp. 1/4 sec. cor.
 80.02 Intersect N and S line 5 lks. N. of the cor. of sec. 8, 9, 16 and 17, ^{heretofore described,} Thence Drive
 N 89°55' W. on a true line bet. sec. 8 and 17. Ascend N.E. slope over hilly land through sage and greasewood brush undergrowth and bunch grass.

5.00 Top of ridge bears N.W. and S.E. desc. gradually S.W. slope.
 40.01 Set an iron post 3ft. long 1 1/2 in. diam. 26 in. in the ground for 1/4 sec. cor. marked on bear Cop. 1/4 S 8 on N half and S17 on S half. Dig pits 18x18x12 in. East W of post 3ft. dia. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

46.00 Dry ravine course N.W. ascend gradually
 56.00 Wood road bears N. and S.
 64.00 Top of sand ridge bears N.W. and S.E. desc.
 80.02 The cor. of sec. 7, 8, 17 and 18, heretofore described. Land hilly. Soil sandy 3rd rate. No timber.

West on a random line bet. sec. 7 and 18.
 40.00 Set temp 1/4 sec. cor.
 78.80 Intersect W. bdy. of T₄ 5 lks. N. of the cor. of sec. 7, 12, 13 and 18, ^{recently estab. by me and described in Exterior Book "U"} Thence Drive
 N 89°58' E. on a true line bet. sec. 7 and 18. Over level sandy land through sage and greasewood brush undergrowth and bunch grass.

23.00 Dry ravine 30 lks. wide 3ft. deep course N.W.
 32.00 Level land bears N.E. and S.W. ascend N.W. slope over rolling land bears N.E. and S.W.
 38.80 Set an iron post 3ft. long 1 1/2 in. diam. 26 in. in the ground.

Subdivision of T₁P₃₀, N. R₁₈ E.

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for 1/4 Sec. cor., marked on brass cap 457 on N. half and 318 on E. 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.

NOTE At this cor. I set off. 0° 10' S on the decl. arc and at 12^h 7^m 43^{sec} p.m. I observed the sun on the meridian, the resulting latitude being 36° 00' N.

61.00 Wood road bears N and S.

78.80 The cor. of sec. 7, 8, 17 and 18, heretofore described.

Land level and rolling
Soil sandy 2nd and 3rd rate.
No timber.

March 25th 1909.

March 22nd ¹⁹⁰⁹ at 8^h 00^m a.m. I set off. 36° 00' N. on the lat. arc, 0° 34' N. on the decl. arc and determined a meridian with the solar at the cor. of sec. 7, 8, 17 and 18, ^{heretofore described} Thence I run 0° 03' W. bet. sec. 7 and 8.

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

28.00 Dry ravine 40 lbs wide 5 ft. deep curved W. and S.W. slope

40.00 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 457 on W. half and 38 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 cor.

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 730 N.

36 in N.W. R18E. 35 in NE. 38 in SE. and 37 in S.W. quadrants.

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 cor.

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

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

40.00 Set temp 1/4 sec. cor.

79.98 Intersect N and S. line 2 lbs. S. of the cor. of sec. 4, 5, 8. and 9. ^{heretofore described} Thence I run

N 89° 56' W. on a true line bet. sec. 5 and 8.

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

13.50 Wood road bears N.E. and S.W.

39.99 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground.

Subdivision of T₁ 30 N. R 18 E

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Chains

- for $\frac{1}{4}$ sec cor marked on brass cap $\frac{1}{4}$ 35 on n. half and 38 on S half.
- 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.
- 41.50 Top of sand ridge bears N.E. and S.W. desc gradually.
- 53.00 Dry ravine course S.W. asc. gently.
- 60.00 Top of sand ridge bears N.E. and S.W. desc. gently.
- 79.98 The cor. of secs. 5, 6, 7 and 8, heretofore described.
- Land rolling.
- Soil sandy 3rd rate.
- No timber.
-
- S 89° 58' W. on a random line bet. sec. 6 and 7.
- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 78.76 Intersect W. ldy of N₁ 5 lks. S of the cor. of sec. 1, 6. recently estab. by one land described in Exterior Book "U" Thence Drum
- East on a true line bet. sec. 6 and 7.
- Descend S.E. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass
- 35.00 Foot of descent in depression bears N.E. and S.W. drains to the S.W., ascend gently over N.W. slope.
- 38.76 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 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.
- 75.00 Dry ravine 8 lks wide 2 ft. deep course S.W.
- 78.76 The cor. of sec. 5, 6, 7 and 8, heretofore described.
- Land rolling.
- Soil sandy 3rd rate.
- No timber.
-
- N 0° 03' W. on a random line bet. sec. 5 and 6.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.88 Intersect n. ldy of N₁ 8 lks. N 89° 58' W. of the cor. of sec. 5, 6, 31 and 32, recently estab. by me & described in Exterior Book "T" Thence Drum
- South, on a true line bet. sec. 5 and 6.
- Ascend N.W. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.
- 25.00 Dry ravine 10 lks wide 2 $\frac{1}{2}$ ft. deep course S.W.

Subdivision of 9 1/2 30 71, 1918 E

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Chains

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30.00

Dry ravine 15 lbs wide 5 ft deep course N.W.

39.88

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 6 on W half and 35 on E half.

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

NOTE

On this cor. I set off 0° 37' N on the decl. arc and at 12^h 47^m 7^{sec} p.m. I observed the sun on the meridian the resulting lat. being 36° 1 1/2' N.

42.00

Top of sand ridge bears E. and W. desc. gradually on S. slope.

79.88

The cor. of sec 5, 6, 7 and 8, heretofore described.

Land rolling.

Soil sandy 3rd rate.

No timber.

March 22nd 1909

General Description

The land contained in this township varied from level to hilly, and the soil ranged from stony to sandy loam, and with the exception of the stony portion can nearly all be classed as 3rd rate, is covered with an abundant growth of different varieties of grasses and will produce some kinds of crops without irrigation.

The hilly portion of the township is covered with a scattering growth of pinion pine and cedar, the trees being too small to have any value other than fuel, or posts.

Large bodies of sand stone underlies a large portion of the township but is too soft to be of any value as a building stone.

No mineral was found in the township and no water.

There are no permanent settlers in the township. In general the land in this township is valuable only for grazing purposes.

Sidney E. Blount
U.S. 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. Blouk
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. 30 N. R. 18 E. of the Gila and Salt River Pass and Meridian in the Territory of Arizona

showing the respective capacities in which they acted:

- Jay E. Jellinek Compassman
Chainman.
- Van C. White Chainman
Chainman.
- Caloyette Jennings and Arthur A. Beard Chainman
Chainman.
- Fred A. Warner Moundman
Moundman.
- Moundman
Moundman.
- Axman
Axman.
- Axman
Axman.
- Harvey Lake Way Flagman
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 _____

..... Chainman

..... Chainman

..... Moundman

..... Moundman

..... Axman

..... Axman

..... Flagman

Subscribed and sworn to before me this _____

day of _____, 19 _____



216
1126
BOOK 2595

U. S. 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 _____, 19____, 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 [Signature]

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona APR 26, 1914

The foregoing field notes of the survey of *the Subdivision lines of Township 30 North, Range 18 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*, 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.~~