Book "B"

Subs. T. 21 N. R. 5 E.

Caddo Land

No 386

BOOK 386

4-671

386

FIELD NOTES

GENERAL LAND OFFICE.

No. 386

No-386

BOOK 386

Field Notes
of the Survey of the
Subdivision Lines
of
Township No 21 North Range
No 8 East, of the
Gila and Salt River Base and Meridian
in the
Territory of Arizona
as Surveyed by
Carl R. Candle and
Marvin Candle
U.S. Deputy Surveyors
Under their Contract No 97
Dated June 30 1902

Survey commenced Oct. 22, 1902
Survey completed Oct. 27, 1902

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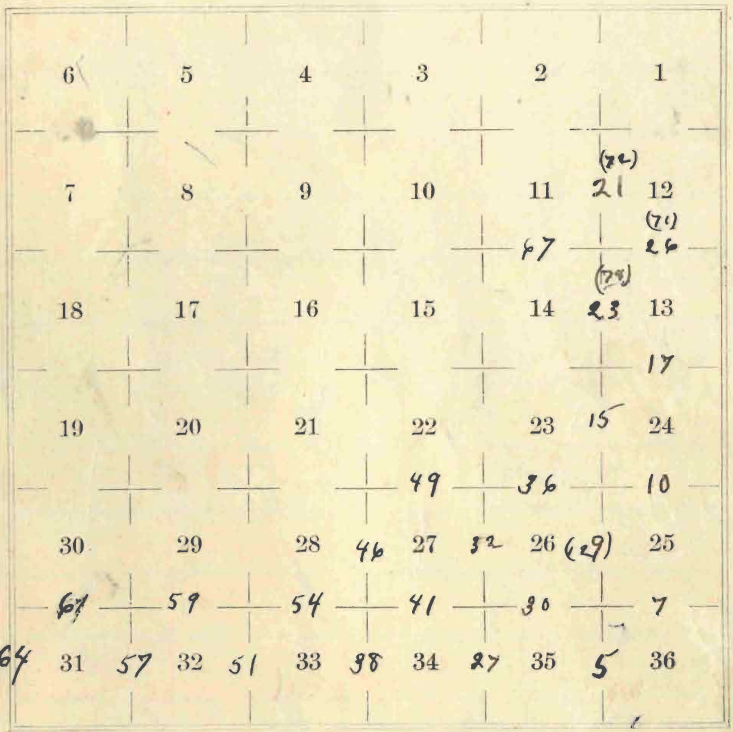
For preliminary oaths see Book "B"
Subs T. 21 N. R. 9 E.

4—674.

Township No 21 N R. No. 8 E.

BOOK 386 and Book 387



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Subdivision of T. 21 N. R 8 E.

Survey commenced Oct. 22, 1902.
and executed with a W. & L. E.
Gurley light Mountain transit
(not numbered) with solar attach-
ment and Jones Patent Latitude arc.
The horizontal limb is provided
with two double vernies placed
opposite to each other reading to
single minutes of arc; the vernies of
the declination and vertical arcs read
to 30" and of the lat. arc to single
minutes and 10" respectively
The instrument was examined, tested
on the true meridian at Phoenix,
found correct and approved Sept. 18,
1902. by the Surveyor General.
I examine the adjustments of the
instrument and find no errors in
the levels, the line of collimation

Subdivision of T. 21 N. R. 8 E.

or the standards.

On Sept. 27 and 28 I tested the solar apparatus on a true meridian determined by observation on Polaris by P.M. and A.M observations; for complete description of which see book of subdivisional notes Tp. 21 N. R. 9 E. At Camp near the center of sec. 27 I determine a true meridian by observation on Polaris on which daily tests of the solar apparatus were made. The complete description of which is here with omitted for brevity.

I begin at the Stand and cor. of secs. 35 and 36. previously described. and at 8 h 04 m A.M. limb I set off 10° 58' S. on the declin

Subdivision of T21N.R8E.

35°07'10" N. on the lat. arc and determine a true meridian with the solar.

Thence I run

N.0°11'W.

bet. secs. 35 and 36

Over mountainous land through heavy pine timber

8.50 Ravine, course N.E.

38.50 Canyon, 150 ft. deep, course N.E.

40.00 Point for ¼ sec. cor. falls on rock in place 3 ft. by 2 ft. by 4 ins. above ground. Cut a cross (+) at exact point of cor. with ¼ on W. & it (+/¼) for ¼ sec. cor. from which

A pinon 8 ins. diam. bears N. 50°08'E. 31 lks. dist., mkd. ¼ S. 36 B T.

A cedar 8 ins. diam bears S. 79°12'W 47 lks dist., mkd. ¼ S 35 B T.

Subdivision of T. 21 N., R 8 E.

54.50 Ravine, course N.E.

57.50 Ravine, course S.E.

60.00 Drain, course N.E.

73.40 Canyon, 100 ft. deep, course N.E.

80.00 On S. Rim of Walnut Canyon
Set a lime stone 20 x 14 x 8 ins
15 ins. in the ground for cor.
of secs. 25, 26, 35 and 36 mkd
with 1 notch on S. and E.
edges; raise a mound of stone
2 ft. base, 1½ ft high W. of cor.
Pits impracticable, from which
A pine 22 ins. diam. bears S. 20° E.
34 lks. dist. mkd T. 21 N R 8 E S 36 B T.
A pinon 8 ins. diam. bears S 88° 42' W.
19 lks. dist., mkd T 21 N R 8 E S 35 B T.
As other trees suitable within limits.
Land, Mountainous
Soil, stony; 3rd and 4th rate.

Subdivision of T. 21 N. R 8 E.

Timber, pine, cedar and pinon. Mountainous and heavily timbered land 80.00 chs.

N. 89° 40' E.

on a random line bet secs 25 & 36

40.00 Set tem. ¼ sec. cor.

79.76 Intersect E. Bdy. of the Yp. 6 lks N. of the cor. of secs. 25, 30, 31 and 36 previously described

Thence S run

S. 89° 43' W.

on a true line bet secs. 25 and 36.

Over mountainous land through dense cedar and pinon timber,

39.88 Set a sand stone 20 x 10 x 8 ins. 15 ins. in the ground for ¼ sec. cor.

Subdivision of T. 21 N., R. 8 E.

mkd. ¼ on N. face; from which
A pinon 10 ins. diam. bears S. 21° 20' W.
55 lks. dist. mkd ¼ S 36 B T.
A cedar 6 ins. diam. bears N. 9° 50' E.
76 lks. dist. mkd ¼ S 25 B T.

55.35 Rim of Walnut Canyon bears
N.W. and S.E. Descend.

67.00 Walnut Canyon 450 ft deep
course S.E.

79.60 Top of W. rim of Walnut Canyon
450 ft above the bottom, bears
N.W. and S.E.

79.76 The cor. of secs. 25, 24, 35 and 36

Land, mountainous.

Soil, stony; 4th rate.

Timber, cedar and pinon.
Watson heavily timbered land

79.76 chs.

Note - Clouds at noon prevent
taking lat. observation.

Subdivision of T. 21 N. R. 8 E.

N. 0°11'W.

on a random line bet secs 25 and 26

40.00 Set tem. ¼ sec. cor.

79.97 Fall 131 lks. E of the old cor. of secs. 23, 24 25 and 26 which is a post 4 ins. square rotted off. witnessed by four bearing trees.

As this falling is much greater than the allowable limits the random line must be made the true line and run to the intersection of the line bet. secs. 24 and 25 which must first be run. I reestablish the old cor. of secs. 23. 24 25 and 26 as the cor. of secs. 23 and 24 only as follows

Subdivision of T. 21 N., R. 8 E.

Set a sand stone 20 x 16 x 4 ins. 15 ins. in the ground for cor. of secs. 23 and 24 mkd. with 1 notch on E. and 5 notches on W. ~~edges~~, from which

A pine 20 ins. diam. bears N. 28° E. 15·9 lks. dist., mkd. T 21 N R 8 E S 24 B T.

A pine 20 ins. diam. bears N 79° 45' W 17·9 lks. dist., mkd T 21 N R 8 E S 23 B T.

These are the old bearing trees which I remark and chop out the mks. of the bearing trees in secs. 25 and 24

From the cor. of secs. 23 and 24 just described I run

N. 89° 43' E.

on a random line bet. 24 and 25.

40,00 Set trm. ¼ sec. cor.

81.15 Intersect E. bdy of the T'p. 4 lks

Subdivision of T. 21 N. R. 8 E.

N. of the cor. of secs. 19. 24 25 and 30 previously described

Thence I run

S. 89° 45' W.

on a true line bet. secs 24 & 25

Over rolling land through heavy cedar and pinon timber.

36.50 Drain. course N. E.

40.00 Set a sand stone 20 x 14 x 6 ins in mound of stone 1½ ft. high, can not set in ground, for ¼ sec. cor. to sec. 24 only. mkd ¼ on N. face; from which

A pinon 8 ins. diam. bears N. 15° E. 70 lks. dist., mkd ¼ S 24 B T.

A pinon 6 ins. diam, bears S. 71° E. 42 lks. dist., mkd ¼ S 25 B T.

65.00 Loose cedar and pinon. Enter heavy pine timber.

77.50 Drain. course N. E.

Subdivision of T. 21 N. R 8 E.

81.15 The cor. of secs. 23 and 24
Land, rolling.
Soil, stony and sandy; 3rd and 4th rate
Timber, cedar pinon and
pine, Heavily timbered land
81.15 chs.

N. 0° 11' W.
on a trail line bet. secs. 23 & 24
Over mountainous land
through pine, cedar and
pinon timber. Descend into
Walnut Canyon. bears N W and S E
12.00 Bottom of Walnut Canyon
450 ft deep. course S. E.
24.00 N. rim of Walnut Canyon 450
feet above bottom bears N. W. & S. E.
Thence over rolling land.
40.00 Set a sand stone 24 X 12 X 5 ins.
in mound of stone, 1½ ft high
can not

Subdivision of T. 21 N. R. 8 E.

set in ground, for ¼ sec. cor.
mkd. ¼ on W. face; from which
A pine, 14 ins. diam., bears N. 89° 40' W.
78 lks. dist., mkd ¼ S 2 ¢ B T.
A pine 14 ins. diam bears N. 70° 03' E. 87
lks. dist., mkd ¼ S 25 B T.

42.75 Road, from Canyon to Flag staff
bears N.W. and S.E.

77.75 Drain, course S.E.

79.97 Intersect E. and W. line 131
lks. N. 89° 45' E. of cor. common
to secs. 23 and 24. At point of
intersection I set a sand stone
14 X 10 X 10 ins. 10 ins. in the
ground for closing cor. of secs.
25 and 26 mkd. C C. on S. each
1 ~~notch~~ groove on E and 5 ~~notches~~ grooves on W.
edge; from which
A pine 12 ins. diam. bears S 42° 30' E 15.9

Subdivision of T. 21 N. R. 8 E.

lks. dist. mkd C C T 21 N R 8 E S 25 B T.
A pine, 12 ins. diam. bears S. 2° 15' W. 188
lks dist. mkd C C T 21 N R 8 E S 24 B T
Land. Mountainous and rolling
Soil. stony & sandy loam 3rd and
4th rate.
Timber, pine, cedar and spruce
Mts or heavily timbered land.
79.97 Chs.

Oct. 22, 1902.

Oct. 23. 1902 at 8 A.M. I, m, b. I
set off 11° 11½' S. on the decl. arc
35° 9' N. on the lat. arc and
determine a true meridian
with the solar at the cor. of secs.
23 and 24 previously described
Thence I run
North,
bet. secs. 23 and 24

Subdivisions of T. 21 N. R. 8 E.

retracing for alinement and measurement and to find cor to secs. 13, 14, 23 and 24

Over rolling land through heavy pine timber

40.00 Set tem. ¼ sec. cor. After diligent search I can find no trace of old ¼ sec. cor.

80.66 The old cor of secs. 13, 14, 23 and 24 bears W. 33 lks dist which is a post 4 ins square rotted off. I reestablish the cor at the same point as follows; Set a lime stone 16 x 10 x 4 ins. 10 ins. in the ground for cor. of 13, 14, 23 and 24 mkd. with 3 notches on S. and 1 notch on E edge; from which

A pine 10 ins. diam. bears N. 48° 05' E. 130

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Subdivision of T. 21 N. R. 8 E.

lks. dist. mkd T21NR8ES13BT.
A pine 30 ins. diam. bears S. 6° 55 E. 173
lks. dist. mkd T21NR8ES24BT.
A pine. 30 ins. diam., bears S. 83° 51' W. 143
lks. dist. mkd. T21NR8ES23BT.
A pine. 36 ins. diam., bears N. 6° 26' W. 101
lks. dist. mkd. T21NR8ES14BT.
There are the old bearing trees which I remark as the old marks have been covered by new growth of tree.

Thence I run

S. 0° 14' E.

on a true line bet. secs. 23 and 24
Over rolling land through heavy pine timber

40.33 Set a lime stone 16 x 10 x 6 ins. 10 ins. in the ground for cor to to sec. 23 only. sec. cor. mkd 4 on W. face; from which

Subdivision of T. 21 N. R. 8 E.

A pine, 24 ins. diam., bears S. 40° 51' W.
173 lks. dist., mkd ⅓ S 23 B T.
A cedar 8 ins. diam. bears S. 80° 48' E.
54 lks. dist., mkd ⅓ S 24 B T.

80.64 The cor. of secs. 23 and 24.
Land rolling.
Soil stony and sandy 3rd. rate.
Timber heavy pine 80.64 chs.

From the cor. of secs. 13, 14, 23 and 24
I run
N. 89° 45' E.
on a random line bet. secs. 13 and 24

40.00 Set tem. ¼ sec. cor.
81.25 Intersect E. bdy. of the Tp. 76 lks.
N. of the cor. of secs. 13, 18, 19, and 24
The falling being greater than
the allowable limits I run
S. 89° 45° W. from cor. to secs. 13, 18, 19
and 24.

Subdivision of T. 21 N. R. 8 E.

on a true line bet. secs. 13 and 24.
Over rolling land through heavy
pinon and cedar timber.

40.00 Set a lime stone 20 x 10 x 8 ins. 15 ins.
in the ground for ¼ sec. cor. mkd
¼ on N. face; from which
A pine 6 ins. diam., bears N 23° 30' E.
11 lks. dist., mkd ¼ S 13 B T.
A pinon, 5 ins. diam., bears S. 40° 30' E. 51
lks. dist., mkd. ¼ S 24 B T.

81.25 At a point S. 0° 14' E. 76 lks of the
cor. of secs. 13, 14, 23 and 24 I set
a lime stone 15 x 10 x 8 ins. 10 ins.
in the ground for closing cor.
of secs. 13 and 24 mkd C C on E.
with 3 grooves on N. and S. faces; from dist
A pine, 10 ins. diam., bears N. 32° E.
188 lks. dist., mkd C C T 21 N R 8 E S 13 B T.
A pine, 30 ins. diam., bears S 10° E. 98 lks.

Subdivision of T. 21 N. R. 8 E.

dist. mkd. CC T21NR8ES24B T.

I efface marks on N.E. and S.E. bearing trees to cor of secs. 13. 14 23 & 24 and change the cor. to refer to secs. 14 and 23 only.

Land, rolling.

Soil, stony; 3rd and 4th. rate.

Timber, cedar, pinon and pine. mtns. on heavily timbered land

81.25 chs.

North on a random line, returning for alinement measurement and position of ¼ sec and sec. cors. bet 13 and 14

40.00 Can find no trace of ¼ sec. cor. set term. ¼ sec. cor.

80.00 Can find no trace of sec. cor. Set term. cor. of secs 11, 12, 13, 14.

Subdivision of T.21.N.R.8.E.

North on random retracing
bet. secs. 11 and 12.

40.00 Can find no trace of ¼ sec. cor.
Set term ¼ sec. cor.

80.00 Can find no trace of cor. of
secs. 1. 2. 11 and 12
Set term sec. cor. of secs. 1, 2, 11 & 12
continue North to

5.20 The old cor. of secs. 1. 2. 11. and 12
bears E. 13 lks. dist., which is
a post 4 ins. square, rotted
off. I reestablish the cor at the
same point as follows.
Set a sand stone 18 X 12 X 7 ins.
12 ins. in the ground for cor.
of secs. 1. 2. 11 and 12 marked with
6 notches on S. and 1 notch on
E. edge, from which the old B T's are
A pine 14 ins. diam bears N. 18° 4' E. 78 lks

Subdivision of T. 21 N R. 8 E.

dist. mkd T XXI N R VIII E I B T.
A pine 14 ins diam., bears S. 31° 37' E. 96 lks.
dist., mkd., T XXI N R VIII E XII.
A pine 24 ins. diam., bears S. 34° 47' W.
57 lks. dist. mkd T XXI N R VIII E XI.
A pine 20 ins. diam., bears N. 37° W. 66
lks. dist. mkd T XXI N R VIII E II.
Thence I run
S. 0° 03' W
on a true line bet. secs. 1 & 12
Over mountainous land through
heavy pine cedar and pinon timber
41.30 Set a sand stone 14 x 8 x 6 ins 10 ins
in the ground for 1/4 sec. cor.
mkd. 1/4 on W. face; from which
A pinon 20 ins. diam bears S. 12° 45' E.
110 lks. dist. mkd. 1/4 S 12 B T.
A pinon 10 ins. diam., bears S. 33° 10' W.
160 lks. dist. mkd. 1/4 S 11 B T.

See amended notes for this corner

Subdivision of T. 21 N. R. 8 E.

46.00 Ridge. bears E. and W. Descend.

65.00 Foot of 150 ft. Ravine. course E. to S. E. Culls heavy pine timber.

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

75.50 Road bears N.W. and S.E.

81.14 Santa Fe Pacific R.R. bears N. 33° 41' W. and S. 33° 41' E.

82.60 On slope facing E.
Set a lime stone 20X14X10 ins. 15 ins. in the ground for cor. of secs. 11, 12, 13 and 14 mkd. with 4 notches on S. and 1 notch on E. edge; raise a mound of stone 2 ft base, 1½ ft high W. of cor. Pits impracticable from which
A pine, 20 ins. diam. bears N. 32° E. 262 lks. dist mkd T 21 N R 8 E S 12 B T.
A pine 12 ins. diam. bears S 88° 30' W.

Subdivision of T. 21 N. R. 8 E.

194 lks dist. mkd T 21 N R 8 E S 14 B T.
A pine 28 ins. diam. bears N. 60° 34' W.
189 lks. dist. mkd. T 21 N R 8 E S 11 B T.
No other trees within limits
suitable for bearing trees.
Land, mountainous
Soil, stony; 4th rate.
Timber, pine, cedar and pinon.
Mountainous and heavily
timbered land 82.60 chs.
Oct. 23. at this cor. I set off 11° 15½'
S. on decl arc and at 11h 44.5
A.M. l.m.t. observe the sun
on the meridian. The resulting
latitude is 35° 10' 40" N which
is ~~[illegible]~~ the lat. nearly

For this mile see amended notes.

S. 6° 03' W. on a true line
bet. secs. 13 and 14

Subdivision of T. 21 N R. 8 E.

Over mountainous land through heavy pine, cedar and pinon timber.

7.00 Drain, course S.E.

41.30 Set a sand stone 18 x 10 x 10 ins. 12 ins. in the ground for ¼ sec. cor. mkd ¼ on W. face; from which
A pinon, 10 ins. diam. bears N. 87° 45' E. 60 lks. dist., mkd ¼ S 13 B T.
A pinon, 8 ins diam., bears S. 62° 45' W. 28 lks. dist mkd. ¼ S 14 B T.

59.60 Leave heavy cedar and pinon, enter heavy pine timber.

64.00 Ravine, course N.E.

68.25 Ravine course N.E.

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

76.10 Ravine, course N.E.

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

Subdivision of T. 21 N. R. 8 E.

82.60 The cor. of secs. 13, 14, 23 and 24
Land, mountainous and rolling
Soil, stony and sandy; 3rd. rate.
Timber, heavy pine, cedar
and pinon 82.60 chs.

From the cor. of secs. 11, 12, 13 &
14 I retrace the line bet. secs.
12 and 13 in order to properly
close the accuracy of sec. 13.
Therefore I run
East,
on a random line retracing
bet. secs. 12 and 13

For this mile see amended notes.

40.00 Can find no trace of ¼ sec. cor.
Set tem. ¼ sec. cor.

80.85 Intersect E. bdy. of the Tp 3.81
chs. S. 0°10' E. of the cor. of secs.
12 and 13, previously described.

Subdivision of T. 21 N. R. 8 E.

Thence I run

S. 87° 18' W.

on a true line bet. secs. 12 & 13.

Over rolling land through heavy cedar and pinon timber.

14.00 Ravine. course N.E.

40.47 Set a sand stone 18 x 10 x 4 ins. 12 ins. in the ground for ¼ sec. cor. mkd ¼ on N. face; from which

A pinon, 6 ins. diam. bears S. 43° 12' E. 25 lks. dist. mkd ¼ S 13 B T.

A pinon, 8 ins. diam. bears N. 37° 02' E. 20 lks dist. mkd. ¼ S 12 B. T.

69.00 Ravine, course S.E.

69.00 Ravine. course N.E. Enters pine timber

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

79.30 Santa Fe Pacific R.R. bears N. 33° 41' W. and S. 33° 41' E.

80.94 The cor. of secs. 11. 12. 13. & 14.

Subdivision of T. 21 N. R. 8 E.

Land. Rolling and mountainous
Soil, sandy and stony; 3rd & 4th rate.
Timber. Pine cedar and Rincon.
Mountainous, or land covered
with timber 80.74 chs.
Oct. 23. 1902.

Oct 24, 1902 at 8 h 03 m A.M. l.m.t.
I set off 11° 32½' S. on the deck
and 35° 7' 10" N. on the lat arc
and determine a true meridian
with the solar at the S. C. of
secs. 34 and 35 previously deacribed
Thence I run
N. 0° 11' W.
bet. secs. 34 and 35
Over mountainous land
through heavy pine timber
32.00 Descend. bears N.W. and S.E.

Subdivision of T. 21 N. R. 8 E.

40.00 Set a lime stone 22 x 12 x 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; from which A pine, 10 ins diam. bears S. 24° 10' E. 21 lks. dist mkd. ¼ S 35 B T. A pine 14 ins diam, bears S. 51° 41' W. 30 lks. dist., mkd. ¼ S 34 B T.

43.00 Ravine, 75 ft. deep, course N.W.

46.00 S pine, 50 ft high bns. N.W. and S. E.

48.50 Same ravine course N.E. ascend.

57.00 Ridge, 100 ft. high. bears N, E, and S.W.

61.60 Drain. course S, E.

66.60 Descend into Walnut Canyon. bears E. and W.

74.50 Bottom of Canyon 475 ft. deep course E, Ascend.

78.00 Rude walls of Cliff Dwellings. under projecting ledges of lime and sand stone

Subdivision of T. 21 N. R. 8 E.

about 250 ft. above the bottom;
8.00 Point for cor. falls about 300
feet above bottom of Canyon
on lime stone ledge 20
feet high extending NW. & S.E.
for cor. of secs. 34 & 35. only.
Cut a + at exact point and
and 2 grooves E. & 4 grooves W. of cor. on rock
raise a mound of stone 3
ft. base 1½ ft high W. of cor.
No trees within limits suit-
able for bearing trees. Pits
impracticable.
Land, mountainous
Soil, stony; 4th rate
Timber, Pine
Mountainous and timbered
land. 80.00 chs.

N. 89° 40' E. on a random
line bet. secs. 26 and 35
40.00 Set tem. ¼ sec. cor.

Subdivision of T. 21 N. R. 8 E.

79.90 Intersect N. and S. line 16 lks. N. of the cor. of secs. 25, 26, 35 & 36

Thence I run

S. 89° 47' W.

on a true line bet. secs 26 & 35.

Over mountainous land

through heavy pine timber.

9.00 Descend. bears N. and S.

15.00 Canyon 200 ft. deep course N.

20.00 Top ascent 200 ft. bears N. and S.

36.00 Canyon 150 ft. deep course N.E.

39.95 Set a lime stone 20 x 14 x 12 ins. 15 ins. in the ground for ¼ sec. cor. to sec. 35 only mkd ¼ on N. face; from which

A pine 21 ins. diam bears N 38° 44' E. 171 lks. dist. mkd. ¼ S 26 B T.

A pine 20 ins diam bears S. 20° 2' W. 95 lks. dist. mkd ¼ S 35 B T.

Subdivision of T. 21 N. R. 8 E.

44.00	Descend into Walnut Canyon bears N.E. and S.W.
56.00	Bottom of Canyon 475 ft. deep course N.E. ascend
68.00	Top of 475 ft. ascent bears N.E. and S.W.
74.00	Descend into Walnut Canyon bears N.W. and S.E.
79.90	The cor. of secs. 34 and 35 Land mountainous Soil, stony and sandy; 3rd 4th rate Timber pine and cedar. Mountainous. heavily timbered land 79.90 chs. Note - Clouds at noon prevented taking latitude

N. 11' W.

on a random line bet. secs. 26 & 27

Subdivision of T. 21 N. R. 8 E.

8927 The old ¼ sec. cor. bears W. 2.14 chs. dist. which is a post 4 ins square rotted off. I reset at the same point as follows. Set a lime stone 15 X 10 X 6 ins. 10 ins in the ground for ¼ sec. cor. mkd ¼ on W. face; from which A pine 24 ins. diam. bears N. 40° 52' W. 43 lks. dist. mkd. ¼ S 27 B T. A pine, 12 ins. diam, bears S. 38° 41' E. 60 lks. dist. mkd ¼ S 26 B T. The falling necessitates a return course deviating from south much greater than the limit of 21' of arc. I therefore abandon the random line and from the cor. as re established I run South 0° 11' E. on a true line between 26 & 27

Subdivision of T. 21 N. R. 8 E.

Over rolling land through heavy pine timber.

14,50 Head of ravine, course S.E.

30,00 Descend gradually

34,16 Bank of Walnut Canyon and point for W.C. of Closing corner of secs. 26 and 27. Set a limestone 20X14X5 ins. in mound of stone 2ft base 1½ ft high, can not set in ground for witness corner of closing corner of secs 26 and 27, mkd WCCC on north and two grooves on E. faces; from which (and 4 grooves on W. faces. 10)

A pinon 8 ins. diam bears N. 69° E. 99 lks. dist., mkd. WC. T21NR8ES26BT.

A pinon 8 ins. diam. bears N. 39°25' W. 57 lks. dist., mkd. WC T21NR8ES27BT.

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Subdivision of T. 21 N. R. 8 E.

34.20 Descend steep side of canyon ledges 4 to 20 ft. high bears NW & SE

39.37 Intersect E. and W. line S. 88° 48' W. of cor. of secs. 34 and 35. 2.14 chs. dist

Land rolling and mountainous Soil, sandy, gravelly and stony 3rd and 4th rate.

Timber, pine and pinon.

Mountainous or heavily timbered land 39.37 chs.

As the lines around sec. 26 do not close with in limits I begin at the ¼ sec. cor. bet. secs. 26 and 27 and retrace as follows

North.

bet. secs. 26 and 27

Over rolling land through

Subdivision of T. 21 N., R. 8 E.

Heavy pine timber

11.40 Road from Flag staff E. to ruins of old Cliff Dwellings in center of secs. 26, bears E. and W.

40.22 Fell 6 lks E. of the old cor. of secs. 22, 23 26 and 27. which is a pine post 3 ins. square, notted &c I reestablish the cor at the same point as follows; Set a lime stone 20 x 15 x 6 ins 15 ins. in the ground for cor. of secs. 22, 23, 26 and 27 Mkd. with 2 notches on S. and E edges from which

A pine 30 ins. diam. bears N. 84° 30' E. 30 lks. dist. mkd. T 21 N R 8 E S 23 B T.

A pine 14 ins. diam, bears S. 17° E. 75 lks

Subdivision of T. 21 N., R. 8 E.,

dist. mkd. T 21 N R 8 E S 26 B T.
A pine 30 ins. diam. bears S. 17° W. 50 lks.
dist. mkd. T 21 N. R 8 E S 27 B T.
A pine, 12 ins. diam. bears N. 12° 08' W.
60 lks. dist. mkd. T 21 N R 8 E S 22 B T.
Land, rolling.
Soil, sandy and gravelly; 3rd rate.
Timber, heavy pine 40. 22 chs.
The true course of this line is
N. 0° 05' W.

East,

Meandering bet. secs. 23 and 26
Over rolling land through heavy
pine timber

20.00 Ravine, course N. E.

40.24 Fell 12 lks. S. of the ¼ sec. cor. which
is a post rotted off, & reestablish
at the same point as follows;

Subdivision of T. 21 N. R. 8 E.

Set a sand stone 18 x 9 x 6 ins
12 ins. in the ground for
¼ sec. cor. mkd. ¼ on N. face,
from which
A pine 28 ins. diam. bears N. 21° 30' W.
52 lks. dist., mkd. ¼ S 23 B T.
A pine 24 ins. diam., bears S. 19° 20' E.
68 lks. dist., mkd ¼ S 24 B T.
The true course of this line
is N. 89° 50' E. 40.24 chs
Thence East from Cor.
40.18 Fall 30 lks. S. of cor. of secs.
23 and 24 previously described.
The true course of this line
is. N. 89° 34' E. 40.18 chs.
Land, rolling.
Soil, sandy and stony; 3rd rate.
Heavy timber 80.42 chs

Oct. 24, 1902.

Subdivision of T. 21 N., R. 8 E.

Oct. 25, 1902: at $8^h\ 07^m$ a.m. last
I set off 11° 53' S on the declinator
35° 07' 10" N. on the latitude and
determine a true meridian
with the solar at the stand-
ard corner of secs. 33 and 34
previously described.
Thence I run
N. 0 12' W.
bet. secs. 33 and 34
Over rolling land through heavy
pine timber.

15.10 Descend into Walnut Canyon
bears E. and W.

16.09 Descend cliff 10 ft. high,

24.00 Bottom of Canyon course S.E.
to E. 400 ft. deep ascend.

39.25 Top of Rim of canyon bears
N.W. and S.E. 400 ft above bottom.

Subdivision of T. 21 N., R. 8 E.

40.00 Point for ¼ sec. cor. falls on flat lime stone in place 3' x 2 ft x 3 ins above ground. Cut a cross (+) at point for cor. and mkd ¼ on W. side for ¼ sec. cor. and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. from which
A pine 24 ins. diam., bears N. 75° 20' E. 15 lks., dist., mkd. ¼ S 39 B T.
A pine 24 ins. diam. bears S. 53° W. 38 lks. dist., mkd ¼ S 33 B T.

42.40 Descend into Walnut Canyon bears N.W. and S.E.

48.00 Road of 400 ft descent and enter into Walnut Canyon course from S.E. to N.

52.00 Leave canyon N.E. and ascend

66.00 spur 200 ft above canyon. bs E & W

Subdivision of T. 21 N., R. 8 E.

77.00 Canyon 200 ft. deep course S. E.
80.00 About 250 ft. above canyon on steep slope to W.
Set a lime stone 24 x 10 x 7 ins. 10 ins in the ground (Cannot set deeper) and raise a mound of stone around it, for cor. of secs. 27 and 34 only mkd with 1 notch on S and 3 notches on N. edges: from which
A pine 20 ins. diam; bears N. 44° 40' E. 80 lks. dist., mkd T 21 N R 8 E S 27 B T.
A pine 18 ins. diam, bears S. 10° 30' E. 77 lks. dist., mkd. T 21 N R 8 E S 34 B T.
Land, rolling and mountainous
Soil, stony; 4th rate.
Timber, pine, pinon and cedar.
Mountainous or heavily timbered land 80.00 chs.

Subdivision of T. 21 N. R. 8 E.

East,

on a random line bet. secs. 27 and 34

25.35 W. Rim of Walnut Canyon V
point for witness ¼ sec. cor.
bet. twn. & W.C. sec. cor.

40.00 Point for twn & sec. cor. falls in Canyon.

79.82 Intersect N. and S. line 28 lks. S. of the cor. of secs. 34 & 35.

I hence I run

S. 89° 48' W.

on a true line bet. secs. 27 & 34
Over mountainous land through cedar and pinon timber. Along steep rough slope facing south

15.00 Spur 150 ft. above cor. bears N. & S.
Descend into Walnut Canyon

Subdivision of T. 21 N., R. 8 E.

24.00 Walnut Canyon, 300 ft below spur, course S. ascend

28.00 Spur 200 ft high bears N. and S.

36.00 Walnut Canyon 200 ft. deep course from N.W. to N.E.

39.91 Point for cor. falls in Canyon where it would be destroyed

45.00 Sharp ridge. bears N. and S.

51.00 Walnut Canyon 300 ft. deep. course N. ascend.

54.40 Top of ascent 300 ft. above canyon. bears N. and S.

54.47 Set a lime stone 22 x 10 x 5 ins. 15 ins. in the ground for witness to sec. 34 only 14.56 chs W. of cor. post. cor. to ¼ sec. cor. mkd. W.C. ¼ on N. face; from which

A pinon 6 ins. diam., bears N. 8° W. 67 lks. dist., mkd. W.C. ¼ S 27 B T.

A cedar 9 ins. diam., bears S. 9° E.

Subdivision of T. 21 N R. 8 E.

43 lks. dist. mkd. WC ¼ S 34 B T.
Ascend gradually
62.00 Top gradual ascent of 100 ft. bears N & S.
66.00 Descend. bears N W. and S E.
73.00 Small drain. canon S. thence over steep rocky slope to S. of Walnut Canyon. about 6.00 chs S.
77.00 Spur. bears N and S. Descend.
79.82 The cor. of secs. 27 and 34. about 60 ft below spur
Land, very rough, broken and mountainous.
Soil, stony; 4th rate.
Timber. Pine, pinon & cedar
Mts. or heavily timbered land
79.82 chs.
Oct. 25; at this cor. I set off 11° 52' S, on the decl. arc and at 11h 44.2m A. M. l. m. t. observed the sun

Subdivision of T. 21 N., R. 8 E.

on the meridian. the resulting
lat. is 35°08½' which is ~~the correct~~.
lat nearly

N. 0°12' W.

on a true line bet. secs 27 & 33.
Over mountainous land through
Pine cedar and pinon.

1,44 From this point the old cor. of
secs. 27. 28 33 and 34 bears W.
4.71 chs. a post greatly decayed
set in a mound of stone
I reestablish the cor. common
to secs. 27 and 28 only at the
same point as follows.
Set a lime stone 14 x 10 x 8 ins
10 ins. in the ground for cor
of secs. 27 and 28 mkd with
3 notches on E and W. ~~on other~~
E edges; from which

Subdivision of T. 21 N. R. 8 E.

A cedar 8 ins. diam., bears N. 34° E. 17 lks. dist., mkd T XXI R VIII E S XXVII

A cedar 8 ins. diam., bears N. 69° W. 46 lks. dist., mkd. T XXI N R VIII E S XXVIII

No trees S. of cor. could be found with marks for bearing trees

At the poi 47 1 chs. E. of this cor. set a lime stone 24 X 12 X 10 ins. 15 ins. in the ground for N.E. cor. of sec. 33 mkd with 1 notch on S edge; from which

A pinon 12 ins. diam., bears S. 34° W. 70 lks. dist., mkd. T21N R8E S 33 B T.

A cross (+) on a lime stone ledge 4 ft. high bears S. 29° W. 47 lks. dist. mkd. +B.R.

Land, Mountainous

Soil, stony; 4th. rate.

Timber, Pine, cedar and Pinon

Subdivision of T. 21 N. R. 8 E.

Mountainous or heavily timbered land 1.44 + 4.71 chs = 6.15 chs.

In order to properly close the lines of survey around sec. 27, I retrace as follows;

From the cor. of secs. 27 and 28 I run

North,

retracing bet. secs. 27 and 29 Over mountainous land through heavy cedar and pinon ascend from cor.

7.00 Top of ascent 200 ft above cor. brass E. & W. thence over rolling land.

39.50 The old ¼ sec. cor. bears E 206 lks. dish, a post 4 ins. square rotted and fallen. I reestablish at

Subdivision of T. 21 N. R. 8 E.

same point as follows;
Set a lime stone 22 x 14 x 7 ins.
15 ins. in the ground for ¼
sec. cor. mkd. ¼ on W. face;
from which the old bearing trees.
A pine 22 ins. diam., bears S. 29° 30' W.
70 lks. dist, mkd. ¼ S B T. (old mks)
A pine 20 ins. diam, bears N. 44° 40' E. 20
lks. dist, mkd, ¼ S B T. (old mks)
The true course of this line is
N 2° 59' E
~~N. 2° 58½ E~~. 39.55 chs.
I here from cor. North
4.50 Road to N. flag staff bears E. and W.
15.00 Ravine course N.W.
40.23 The old cor. of secs. 21, 22, 27 &
28 bears W. 8 lks. dist., A post
4 ins. square, greatly decayed.
I reset at exact point as follows.
Set a lime stone 18 x 10 x 6 ins

Subdivision of T. 21 N R. 8 E.

12 ins. in the ground for cor. of secs. 21. 22. 27 and 28 mkd. with 2 notches on S and 3 notches on E. edges; from which

A pine, 18 ins. diam, bears N. 42° 34' E. 72 lks. dist, mkd. T XXI N R VIII E S XXII.

A pine, 37 ins., diam bears S. 82° 40' E. 184 lks. dist, mkd. T XXI N R VIII E S XXVII.

A pine, 21 ins. diam, bears S. 48° 27' W. 118 lks. dist, mkd. T XXI R VIII E S XXVIII.

A pine. 34 ins. diam bears N. 52° W. 64 lks. dist, mkd. T XXI N R VIII E S XXI.

The true course of this line is N. 0° 07' W. 40.23 chs.

Land rolling and mountainous

Soil, sandy and stony; 3rd. rate.

Timber. Pine, cedar and fir.

Mountainous or heavily timbered land 79.73 chs.

Subdivisions of T. 21 N. R. 8 E.

East,
retracing bet. secs. 22 and 27
Over rolling land through
heavy pine timber.

10.00 Drain. course N.E.

40.18 The old ¼ sec. cor. bears S 55 lks.
dist, a post 4 ins. square
rotted off. I reestablish at the
same point as follows;
Set a lime stone 24 x 10 x 8 ins
18 ins in the ground for ¼ sec.
cor. mkd with ¼ on N. face;
from which
A pine, 30 ins. diam bears N. 42° 50' E.
40 lks. dist mkd ¼ S 22 B T.
A pine 12 ins. diam bears S. 4° 40' E.
212 lks. dist. mkd. ¼ S 27 B T
The true bearing of this line is
S. 89° 13' E. ~~40.18~~ 40.19 chs.

Subdivision of T. 21 N., R. 8 E.

Thence from corner East.

20.00 A log building bears N. about 5 lks.

20.00 Road bears N. and S.

35.20 Drain. course N.E.

40.17 The cor. of secs. 22, 23, 26 and 27 bears S. 65 lks. dist. previously described.

The true course of this line is S. 89° 0' E. ~~40.18~~ 40.17 chs.

Land, rolling.

Soil, stony and gravelly; 3rd. rate.

Timber, heavy pine 80.35 chs.

Oct. 25, 1902.

Oct. 27 at 8h 07m A.M. I set off 12° 35' S. on the decl. arc 35° 7' 10" N. on the lat arc and determine a true meridian

Subdivision of T. 21 N. R. 8 E.

with the solar at the stand ard cor. of secs. 32 and 33 on S. bdy. of the Tp. I then run N. 0° 13' W.

on a true line bet secs 3 & 33

Over rolling land through heavy pine timber. Descend from cor.

2.00 Canyon 125 ft. below cor. course S. E.

7.15 Ridge, 200 ft. above canyon bears E. and W.

11.65 Drain, course S. E.

21.00 Descend, bears E and W.

25.25 Ravine 75 ft deep course E.

27.00 Same ravine course from S. E. to N. E.

38.00 Ridge bears E. and W.

40.00 Set a lime stone 18 x 12 x 10 ins 12 ins. in the ground for

Subdivision of T. 21 N. R. 8 E.

¼ sec. cor. mkd. ¼ on W. face;
from which
A pine, 18 ins. diam bears S 82° 20' W
122 lks. dist. mkd ¼ S 32 B T.
A pine 12 ins diam. bears N. 37° E.
52 lks. dist, mkd. ¼ S 33 B T.

55.65 Ravine course N.W.

62.85 Ravine course N.W.

65.60 Spur, bears N.E. and S.W.

75.70 Ravine, 80 ft. deep. course N.E.

81.15 About 60 ft. above ravine.
Intersect E. and W. line 9.15 chs
N. 9° 46' E. N. of the cor. of secs. 28. 29. 32
and 33 which is a post 4
ins. square rotted off. I
reestablish at the same point
as follows:
Set a lime stone 28 x 12 x 6 ins
20 ins. in the ground. Cor

Subdivision of T. 21 N. R. 8 E.

not 1st deeper) for cor. of secs. 28 and 29. mkd. with 2 notches on W, 4 notches on E edge from which the old bearing trees are as follows;

A pine 23 ins. diam; bears N. 8° E. 107 lks. dist. mkd T 21 N R 8 E S 28 B T.

A pine 32 ins diam bears N. 44° W. 86 lks. dist. mkd T 21 N R 8 E S 29 B T.

I efface mks. on the trees S. 1/4 cor.

At 3.15 chs. E. of this cor. I set a lime stone 3 x 1 x 5 ins. 12 ins. in the ground (cannot set deeper) and build a mound of stone around it, for closing cor. of secs. 32 and 33 mkd. C C on E. with 4 grooves on E. and 2 grooves on W. faces; from which

A pine 20 ins. diam bears S. 45° 08' W

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Subdivision of T. 21 N., R. 8 E.

104 lks. dist. mkd. T 21 N R 8 E S 32 B T.
A pine 12 ins diam. bears S. 59° 40' E 102 lks
dist. mkd. T 21 N R 8 E S 33 B T.
Land mountainous and rolling.
Soil, sandy and stony, 3rd and 4th. rate
Timber, pine.
Mountainous or heavily timbered
land 81.15 chs.

As the lines around sec. 33 do not
close within limits I return
as follows;
From the closing cor. of secs. 32
and 33 just established I run
East,
retracing bet. secs. 28 and 33
Over rolling land through heavy
pine timber.
2.00 Ridge, bears N. and S.

Subdivision of T. 21 N. R. 8 E.

8.00 Ravine, course N. E.

13.00 Ridge, bears N. and S.

18.00 Same Ravine course S.E.

36.34 The old ¼ sec. cor. bears N. 15 lks dist which is a post notted ∫∫. I Set a limestone 20 X 12 X 6 ins. 15 ins. in the ground for ¼ sec. cor. to sec. 28 only. mkd. ¼ on N. face, from which A dead pine. 36 ins. diam. bears N. 30° E. 55 lks. dist. mkd ¼ S B T. (old B T.) A pine, 30 ins. diam. bears S. 49° 20' W. 45 lks. dist., mkd ¼ S B T old B T. The true course W ½ S. Bdy Sec. 28 is N. 89° 46' E. I found from cor. to dist. 39.49 chs.

1.50 Same Ravine, course N. E.

35.00 Same Ravine course S. E.

39.20 The old cor. of secs. 27 and 28 previously described, bears N. 28 lks dist.

Land rolling and mountainous

Subdivision of T. 21 N. R. 8 E.

Soil, stony; 4th. rate.
Timber. pine. cedar and pinon.
Mountainous or heavily
timbered land 75.54 chs.
Note. - Clouds at noon
prevented taking latitude
The true course of this line
is N. 89° 36' E. 39.20 chs.

Concluded
Book 387.