

Handwritten notes:
No. 387
Small bundle

~~387~~

BOOK 387

4-671

387

FIELD NOTES
GENERAL LAND OFFICE.

Handwritten: No - 387

Copied by C.M. 4/23/04
 Re-compared by C.M. & C.M. 4/27/04
 Re-compared with original books
 by J.D.A. & C.M. 4/27/04.

Indexed Book 386.

Township 21N R. 8E P. 56

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Subdivision of T. 21 N. R. 8 E. 387

From the standard cor. of secs. 31
and 32 on S. bdy. of the Tp. I run
N. 0° 13' W.

on a true line bet. secs. 31 and
32.

Over rolling land through
heavy pine timber

4.00 Ravine, course W.

14.30 Drain, course W.

40.00 Set a lime stone 22 X 12 X 8 ins.
15 ins. in the ground for $\frac{1}{4}$ sec.
cor. mkd. $\frac{1}{4}$ on W. face, from which;

A pine 12 ins. diam. bears S. 68° 13' W. 16
lks. dist. mkd. $\frac{1}{4}$ as 31 B T.

A pine 36 ins. diam. bears S. 68° 14' E. 101
lks. dist. mkd. $\frac{1}{4}$ as 32 B T.

74.95 A pine 31 ins. diam. on line. I
mark with 2 notches on N.
and S. sides.

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

- 81.58 Intersect E and W. line 3.65 chs.
^{S 87° 47' E}
 Ⓞ of the cor. of secs. 29, 30, 31 and 32
 which is an oak post rolled off.
 I reestablish the cor. common
 to secs. 29 and 30 as follows.
 Set a lime stone 18x10x10 ins.
 12 ins. in the ground for cor.
 of secs. 29 and 30 marked with
 1 notch on W. and 5 notches on
 E. edges; from which;
 A pine 12 ins. diam bears N 57° E. 82
 lks. dist. mkd T21NR8E-S29BT.
 A pine 86 ins. diam bears N 50° W.
 135 lks. dist. mkd T21NR8E-S30BT.
 I efface marks and bearing trees.
 At the point 3.65 chs. Ⓞ of the
^{S 87° 47' E}
 cor. just established I set
 a lime stone 20x12x10 ins.
 15 ins. in the ground for closing

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

cor. of secs. 31 and 32 mtd. C C
on S. with 5 grooves on E. and 1
groove on W. face; from which

A pine 43 ins. diam. bears S. $36^{\circ}50'W$.

92 lbs. dist. mtd CCT21NR8E331BT.

A pine 27 ins. diam. bears S. $44^{\circ}05'E$. 129

lbs dist mtd CCT21NR8E332BT.

Land, rolling.

Soils sandy and gravelly; soil. rate.

Timber pine.

Heavy timber 8158 lbs. ✓

In order to properly close the
lines around secs. 31 and 32
I retrace as follows.

East.

retracing bet. secs. 29 and 32
from closing cor. just establish-
ed. Over rolling land through.

Subdivision of T21N, R8E.

- heavy pine timber.
- 3.50 Ridge, bears N. and S.
- 21.00 Road bears N.E. and S.W.
- 36.59 The old $\frac{1}{4}$ sec. cor. bears S. 1 $\frac{1}{2}$ lks dist.
a post rotted off. I reset
A lime stone 20X14X9 ins 15
ins. in the ground for $\frac{1}{4}$ sec. cor
to sec. 29 only.
mkd. $\frac{1}{4}$ on N. face; from which
A pine 24 ins. diam bears S. 4 $^{\circ}$ E.
104 lks dist mkd $\frac{1}{4}$ S 22 B T.
A pine 12 ins. diam bears N 17 $^{\circ}$ 40' W. 48
lks dist. mkd $\frac{1}{4}$ S 29 B T
The true bearing of this line is S. 89 $^{\circ}$ 44' E.
36.59 ch. + 3.65 of 40. 24. ch.
Thence from cor. East
- 33.20 Ravine course S.
- 36.10 Ravine. course S.
- 40.09 The cor. of secs. 28 and 29 bears 21
lks. S previously described.
Sand, rolling.

Subdivision of T21NR8.E.

Soil, sandy, and stony; 3rd rate.

Timber pine.

Heavy timber 76.68 chs.

The true bearing of this line is S. 89° 42' E.
40.09 chs.

From the cor. of secs. 29 and 30 re-
established to day I run
West,

retrocing bet. secs. 30 and 31.

Over rolling land through heavy
pine timber.

9.00 Ridge bears N. and S.

32.00 Ridge bears N. and S.

40.14 The $\frac{1}{4}$ sec. cor. bears N. 10 lks. dist.

a post 4 ins. square rotted off

I reestablish at the same point

Set a lime stone 20x12x8 ins. 15-

ins. in the ground for $\frac{1}{4}$ sec. cor.

mkd. $\frac{1}{4}$ on N. face; from which

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

An oak 12 ins diam. bears S. 48° W.
27 lks dist. marked $\frac{1}{4}$ S B T. (old B T)

A pine 24 ins diam. bears N. 49° 40' W.
32 lks. dist. marked $\frac{1}{4}$ S 30 B T.

old bearing true or marked.

A pine 12 ins. diam. bears S. 19° 15' E.
90 lks. dist. marked $\frac{1}{4}$ S 31 B T.

The true bearing of this line is N. 89° 51' W.
40.14 chs

Thence from cor. West

39.30

Road bears N. 10° W. and S. 10° E.

39.68

The cor. of secs. 25, 30, 31 and 36
bears N. 133 lks. dist., a post 4 ins
square rotted off. I establish
as follows:

Set a lime stone $15 \times 10 \times 8$ ins.
12 ins. in the ground for cor.
of secs. 25, 30, 31, and 36 marked
with 1 notch on S and 5 notches
on N. edges; from which

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

A pine 24 ins. diam bears N. 51° E. 69 lks.
dist. rkd. TXXINRVIII E SXXX.

A pine 20 ins diam bears S. 57° 30' E 93 lks.
dist rkd TXXINRVIII E SXXXI.

A pine 24 ins diam. bears E. 63° 55' W 127
lks. dist. rkd TXXINRVII E SXXXVI.

A pine 12 ins diam bears N. 54° W. 125 lks.
dist. rkd. TXXINRVII SXXV.

The true bearing of this line is N 88° 05' W. 39.70
Lowell Observatory near Flag staff
bears N. 57° 35' W.

S. E. Spire of Catholic Church in
Flag staff bears N. 57° 25' W.

Sharp Peak in San Francisco
Mts. bears N. 18° 39' W. Elevation 4084

Land, rolling.

Soil, sandy and gravelly 2nd 93rd rate.

Timber, heavy pine 79. 82 chs.

South

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

retracing bet. sec. 31 and 36.

Over rolling land through heavy
fine timber.

40.17

Full 4 lks. W. of the $\frac{1}{4}$ sec. cor. a
post greatly decayed. I set a
lime stone $20 \times 10 \times 7$ ins. 15 ins.

in the ground for $\frac{1}{4}$ sec. cor.

mkd. $\frac{1}{4}$ on W. face; from which

A fine 36 ins. diam bears S. $40^{\circ}40'$ W. 57

lks. dist. mkd. $\frac{1}{4}$ S 36 B T.

A fine 42 ins diam. bears N. $27^{\circ}35'$ E.

136 lks. dist. mkd. $\frac{1}{4}$ S 31 B T

The true course of this line S. $0^{\circ}03'$ E. 40.17 chs.

Thence from cor. south.

40.04

Full 4 lks. W. of the cor. of Tps.

21 N. R. 7 E. previously described

Land, rolling,

Soil, sandy and stony, 2nd and 3rd. rate.

Timber, heavy pine 80.21 chs.

The true bearing of this line is S $0^{\circ}03'$ E.

Oct. 27, 1802

40.04 chs

General Description of T. 21 N. R. 8 E.

The land in this township, embraced in the recent survey is rough and hilly in the north eastern part, rolling in the eastern, and very broken in the southern part by Walnut Canyon and numerous tributaries. This Canyon enters the T_p in sec. 31 and flows in a winding course towards the east and leaves the T_p in sec. 36. It averages about 400 ft. deep and under many of its projecting cliffs in secs. 25, 26, 27, 34 and 35 may still be found in a state of very good preservation numerous ruins of the ancient Cliff dwellers, which is a great point of interest to tourists. Broken pieces of glazed pottery are quite abundant. The walls of the ruins are rudely built of rough stone and

General Description T. 21 N. R. 8 E.

mud rooster.

The timber in this tp. is mostly a large yellow pine and very valuable. On the eastern part is a dense growth of scrubby cedar and fir.

There are no springs or streams of running water, but cattle and horses obtain water from the pools in the bottom of Walnut Canyon.

There are no settlers in the part recently surveyed.

There are no valuable mineral deposits known.

The Santa Fe Pacific R. R. enters the Tp. near the 4 sec. cor. on E. bdy. sec 13 and runs in a westerly course across the tp.

Carl R. Baudle
U. S. Deputy Surveyor.

Monroe Baudle
U. S. Deputy Surveyor.

For final oath, see Book "H" - sub - T. 21 N. R. 8 E.



Supplemental Field Notes of the
BOOK 387 95
resurvey of the lines bet. secs. 11, 12, 14, 12 & 13

Survey commenced March 28
1904 and executed with a W. &
D. S. Survey light Mountain
transit, (not numbered), with
solar attachment and Jones
Patent Lat. arc. For complete
description of which see field
notes of the beginning of
survey of this town ship.

On March 18 and 19 I made
a complete test of the instru-
ment and solar apparatus on
a true meridian determined
from observations on Polaris
and found the adjustments
satisfactory.

Pursuant to special instruc-
tions dated Dec. 9, 1903. requir-
ing cor. of secs. 11, 12, 13 and 14

66 Supplemental Field Notes of the
resurvey of the lines bet. secs. 11 and 12 11 and 14 12 and 13

BOOK 387

to be established in accordance
with the circular on Lost and
Obliterated Corners pg 10, sec
2 and 5 by proportionate meas-
urements to the nearest cors.
N. and S. and E. and W. of said
cor. and as it has already been
reestablished by proportionate
measurements to the nearest
old corners N. and S. of said cor.
I proceed to locate the correct
position of said corner by
proportionate measurements
to the nearest old cors. E. and W.
of said cor. as follows:
March 28th 1904, at 8 A.M. last
I set off $3^{\circ} 1' \text{ } \cancel{10}''$ N. on the decl
are $85^{\circ} 10\frac{1}{2}'$ N on lat arc and
determine a true meridian
with the solar

at the cor. of sec. 11, 12, 13 and 14
as reestablished.

Thence I run
West

on a blank line bet. sec.
11 and 14

- 3980 Full 108 lks. N. of old $\frac{1}{4}$ sec. cor.
A post greatly decayed and
fallen, I reestablish the cor.
at the same point as follows
Set a sand stone $15 \times 10 \times 5$ ins
10 ins. in the ground for $\frac{1}{4}$ sec. cor.
mkd. $\frac{1}{4}$ on N. face; from which
A pine, 23 ins. diam. bears N. 60° E.
21 lks. dist. mkd. $\frac{1}{4}$ S 11 B T.
A pine, 21 ins. diam. bears S. 11° E.
44 lks. dist. mkd. $\frac{1}{4}$ S 14 B T.
These are the old bearing trees
re marked.

65 Supplemental Field Notes of the
resurvey of the lines bet. secs. 11, 12, 13, 14, 12, 13
BOOK 387

The true course of this mile is
~~N. 88° 27' E.~~
N. 88° 35' E. 39.81 chs.

As the cor. of secs. 11, 12, 13 and 14
has been determined by pro-
portionate measurements
N. and S. to the nearest ^{old cor.} its position

N and S. is unchangeable. To
determine the true position
with reference to the nearest
identified corners E. and W.

I have the following proportion

Reported length of line from
the sec. cor. bet. secs. 11 and 14 to E. hole.

of T_p. is 120.07 chs. or 40.07 chs.

and 80.00 chs. length of line

bet. secs. 12 and 13 Therefore

39.81 chs + 80.94 chs = 120.75 chs.

true distance and

120.07 chs : 120.75 chs :: 40.07 chs : 40.29 chs

Supplemental Field notes of the
re survey of the lines bet secs. 11 & 12, 11 & 14, 12 & 13

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BOOK 387

120.07 chs.; 120.75 chs.; 80.00 chs.; 80.46 chs

Therefore the true position of
the cor. of secs. 11, 12, 13 and 14
is ~~N. 88° 36' E.~~ ^{N. 88° 28' E.} 40.29 chs. dist from
the $\frac{1}{4}$ sec cor. bet. secs. 11 and 14
which gives a correction of
75 lks. E. of the point at which
it is now established.

This correction will now
make the true course of the
line bet. secs. 11 and 12 N. 017' W.
82.00 chs. and 13 and 14 S 0° 23' W.
82.60 chs.

Therefore from the $\frac{1}{4}$ sec. cor.
bet. secs. 11 & 14 I run
~~N. 88° 36' E.~~ ^{N. 88° 28' E.}

on a true line bet. secs. 11 & 14.

Over rolling land through
heavy pine timber.

39.81 I destroy all traces of the coral
this point and at

40.29 Set a lime stone $20 \times 14 \times 10$ ins. 15
ins. in the ground for cor. of
secs. 11, 12, 13 and 14 marked with
4 notches on S and 1 notch on
E. edge; raise a mound of stone
2 ft. base, 1 1/2 ft. high W. of cor.

Pits impracticable from which
A pine 20 ins. diam. bears N. $21^{\circ}45'$ E. 241
lks. dist. mkd. T21NR8ES12BT.

A pine 12 ins. diam. bears S. $80^{\circ}20'$ W. 242
lks. dist. mkd. T21NR8ES14BT.

A pine .28 ins. diam. bears N. $65^{\circ}50'$ W. 230
lks. dist. mkd. T21NR8ES11BT.

No other trees within limits
suitable for bearing trees,
land, rolling.

Soil, 2nd and 4th rate

Supplemental Field Notes of the 71
resurvey of the lines bet. secs. 11 & 12, 11 & 14, 12 & 13

BOOK 387

Timber, heavy pine 40.29 chs.

~~N. 87° 17' E~~
~~N. 87° 18' E~~

on a true line bet. secs. 12 and 13

Over rolling land through
heavy pine cedar and fir on

1.16

Santa Fe R.R. bears N. 33° 41' W.,
S. 33° 41' E.

5.56

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

11.94

Ravine, course S.E.

21.94

Ravine, course S.E.

40.23

Set a sand stone 18x10x4 ins. 12 ins.
in the ground for $\frac{1}{4}$ sec. cor. mkt
 $\frac{1}{4}$ on N. face; from which

A fir tree 6 ins. diam. bears S. 20° W 20
lbs. dist. mkt $\frac{1}{4}$ S 13 B T

A fir tree 8 ins. diam bears N 37° 50' W
20 lbs dist mkt $\frac{1}{4}$ S 12 B T.

84.46

Ravine, course N.E.

7² Supplemental Field Notes of the
recovery of lines bet. secs 11, 12, 13, 14, 12 and 13

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80.46

Intersect E. bdy. of T_h at cor. of
secs. 7, 12, 13 and 15.

Land rolling and mountainous
Soil, sandy and stony, soil and 4th str.
Timber, Cedar, pinon and Pine.
Mountainous or heavily timbered
land 80.46 chs.

At the cor. of secs. 11, 12, 13, and 14.

At 0^h 5.2 l. m. b. I set off 3°
✓ 4' N. on decl arc and observe
the sun on the meridian the
resulting lat is 35° 10½' which
is ~~correct~~ *the lat. exactly*

N. 6° 17' W.

bet. secs. 11 and 12

Over mountainous land
through pine cedar and pinon.

1.83

Santa Fe R.R. bears N. 33° 41' W.

Supplemental Field Notes of the 73
reunions of the lines bet. secs. 11 & 12 11 & 14 12 & 13

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S. 33° 41' E.

- 7.10 Road bears N.W. and S.E.
- 17.00 Road bears N.E. and S.W.
- 17.40 Ascends S. slope of ridge.
- 30.00 Ridge, bears E. and W. top of 15 ft. ascent.
- 41.30 Set a sand stone 14 x 8 x 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. mtd. $\frac{1}{4}$ on W. face; from which
A pinon, 20 ins. diam. bears S 26° E. 92 lbs. dist. mtd $\frac{1}{4}$ S 12 B T.
A pinon 10 ins. diam. bears S. 47° W. 190 lbs. dist., mtd $\frac{1}{4}$ S 11 B T.
- 82.60 The cor. of secs. 1, 2, 11, and 12 previously described
Land, accountainous
Soil, stony; 4th rate
Timber, cedar, pinon and pine
Mts on timbered land 82.60 chs.

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Supplemental field notes of the
 survey of the lines bet. secs. 11 & 12, 13 & 14, 12 & 13

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S. 6° 23' W. bet. secs. 13 and 14

Over mountainous land
 through heavy pinon, cedar
 and under growth.

7.00 Ravine, course S.E.

41.30 Set a sand stone 18x10x10 ins.
 12 ins. in the ground for $\frac{1}{2}$
 sec. cor. mkt $\frac{1}{4}$ on W. face,
 from which

A pinon 10 ins. diam bears N. 87°
 45' E. 50 lks dist mkt $\frac{1}{4}$ S 13 B T.

A pinon 8 ins. diam bears S 62°
 42' W. 28 lks dist mkt $\frac{1}{4}$ S 14 B T.

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

64.00 Ravine, course N.E.

68.25 Ravine, course S.E.

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

76.10 Ravine, course N.E.

Supplemental Field Notes of the 75
removal of the lines bet. secs. 11 & 12, 11 & 14, 12 & 13.

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76.15 Road across N.E. and S.W.

82.60 The cor. of secs. 14, 23

Land, mountainous.

Soil, stony and sandy; 9th. rate.

Timber, heavy cedar, fir
and pine 82.60 chs.

March 28, 1904.

Note. - The measurements
and all other field work
was performed personally
by Carl R. Caudle and
Marvin Caudle.

U. S. Deputy Surveyor
for the above supplemental
field notes.

Carl R. Caudle
U. S. Deputy Surveyor

Marvin Caudle
U. S. Deputy Surveyor

Table of Latitudes

Line	Bearing	BOOK 387	
		Distance	N
W. Bdy. Dec. 31	N. 0° 03' W	80.21	80.21
S. Bdy. Dec. 30	S. 88° 05' E.	39.70	
	S 89° 51' E.	40.14	
S. Bdy. Dec. 29	S 89° 47' E.	40.24	
	S. 89° 42' E.	40.09	
S. Bdy. Dec. 28	N. 89° 46' E.	39.49	.16
	N. 89° 36' E.	39.20	.28
E. Bdy. Dec. 28	N. 2° 58½' E.	39.55	39.50
	N. 0° 07' W.	40.23	40.23
N. Bdy. Dec. 27.	S. 89° 13' E.	40.18 40.19	
	S. 89° 04' E.	40.17 40.18	
S. Bdy. Dec. 23.	N. 89° 50' E.	40.24	.12
	N. 89° 34' E.	40.18	.30
W. Bdy. Dec. 24	N. 0° 14' W.	80.66	80.66
E. Bdy. Dec. 14	N. 0° 23' E.	82.60	82.60
N. Bdy. Dec. 13	N. 87° 17' E.		3.81
	N. 87° 18' E.	80.46	3.79
Totals carried forward.			327.87 327.85
			327.87

and Departures.

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S.	E.	W.	
		0.07	
1.33	39.68		
10			
11	40.14		
.15	40.24		
.21	40.09		
	39.49		
	39.20		
	2.06		
		0.08	
.55	40.18		
.65	40.17		
	40.24		
	40.18		
		.33	
	.55		
	80.37		
2.99			
3.00	482.59	0.48	
284			

Table of Latitudes

Line	Bearing	Distance chs.	N.
E. Bdy. sec. } 13, 24, 25 & 36	S. 0° 10' E	326.70	327.87 327.85
D. Bdy. Sec. 36	S. 89° 37' W.	39.833 39.88	
	S. 89° 41' W.	40.02	
S. Bdy. Sec. 35	S. 89° 42' W.	39.90	
	S. 89° 36' W.	40.04	
D. Bdy. sec. 34	S. 89° 53' W.	14.06	
D. Bdy. sec. 34 } 33, 32, & 31	West	309.27	
W. Bdy. Sec. 31	North	2.72	2.72
	Totals.		330.590 330.57
Error in Latitude and Departure			11 11
			330.70 330.71

and Departures, continued.

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S.	E.	W.
2.99 3.00	482.59	0.48
326.70	.95	
.27		39.83 39.88
.22		40.02
.21		39.90
.28		40.04
.03		14.06
		309.27
330.70 330.70	483.54 0.60 1.11	483.60 483.65
330.70 330.70	483.60 483.65	483.60 483.65

Carl R. Gaudle
 U. S. Deputy Surveyor
 Monim Gaudle
 U. S. Deputy Surveyor.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR. 80

I, Carl R. & Marvin Caudle, United States

Deputy Surveyor, do solemnly swear that in pursuance of a contract received from Hugh H. Price, United States

Surveyor-General for Arizona, bearing date of the 30th

day of June, 1902, I have well, faithfully, and

truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor-General for Arizona, the Manual of Surveying Instructions, and the laws of the United

States, surveyed all those parts or portions of the Corrections

to the original surveys and resurveys
of Twp. 21 N. R. 8 E.

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of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing ^{supplemental} 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 perpetu-

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ated in strict accordance with the Manual of Surveying Instructions, the special instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field notes, and that the foregoing are the TRUE field notes of such survey; and should any fraud be detected I will suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

Carl R. Handley
U. S. Deputy Surveyor
Marvin Canale
U. S. Deputy Surveyor.

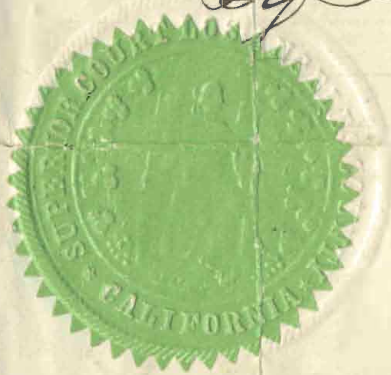
Subscribed and sworn to before me this 14th day
of April, 1907.

C. J. Hayes

COUNTY CLERK AND EX-OFFICIO CLERK OF THE
SUPERIOR COURT OF LOS ANGELES COUNTY, STATE OF CALIFORNIA

4890b150-8-02

D. J. Quinson Jr.
Deputy



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A P P R O V A L.

Office of the

United States Surveyor-General,

Phoenix, Arizona.

April 25th 1904

The foregoing field notes of the survey of *the subdivisional lines of T21N R8E*
Presumer of same

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

Executed by *Candle & Candle*

United States Deputy Surveyor, under

his contract No. 97, dated 4/30 1902,

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

U. S. Surveyor-General.

Supplemental statement to correct
field notes of T_p. 21 N. R. 8 E. 80
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Attention having been called
to certain technical defects
in the form and wording
of the field notes at the end
of certain miles of survey in
T_p. 21 N. R. 8 E. Gila and Salt
River Base and meridian,
Arizona, said portions of
the field notes are herewith
stated in the form required
by law, at the end of the
following lines of survey.

Subdivisional lines of T_p. 21 N. R. 8 E.
Line bet. secs. 25 and 36. ✓
"Mountainous or heavily
timbered land. 79.76 chs."

Line bet. secs. 25 and 26. ✓
"Mountainous or heavily timbered
land. 79.97 chs."

Line bet. secs. 24 and 25. ✓
"Heavily timbered land. 81.15 chs."

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Line bet. secos 13 and 24.
"Mountainous or heavily timber
land 81.25 Chs."

Carl H. Gaudle

U.S. Deputy Surveyor

Maxim Gaudle

U.S. Deputy Surveyor