

W + N - BOUNDARIES

TIAS RIOE

CONTRACT-104

PH. CONTZEN

U. S. DEP. SUR

1556

1556

BOOK 1556

4-671

FIELD NOTES
GENERAL LAND OFFICE.

D.

15-56

BOOK 1556

Field Notes
of the survey of the
West and North Boundaries

of
Township No. 14 South,
Range No. 10 East
of the
Gila and Salt River Basins and Meridian
in the

Territory of Arizona
As surveyed by
Philip Cortzen
U. S. Deputy Surveyor

Under his contract No. 104.

Dated November 15, 1902.

Survey commenced March 27, 1903
Survey completed March 31, 1903

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BOOK 1556

BOOK 1556

*Preliminary paths in Book
"A". Exts. of T. 14 S. R. 11 E*

BOOK 1556

Index

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S 14 S, R 10 E

Index II

West Bdry T 14 S R 10 E 5
 North " T 14 S R 10 E 21

West boundary of P 14 S, R 10 E
chain

Survey commenced March 27, 1903, and
executed with a Young and Sons light
mountain transit, no. 5607, with solar
attachment, as heretofore described
in survey of South Body of this Tp.
I began at the cor. of Tps 14 and 15 S,
R 9 and 10 E, which is a stone marked
and returned as described by the
Surveyor General.

At this cor. at 7^h 02^m p. m., by my
watch, which is correct I observed Polaris
at true true elongation, in accordance with
instructions in the manual, and marked
the point in the line thus determined
by a tack driven in a wooden peg set
in the ground 5.00 chs north of my
station.

March 27, 1903.

West boundary of T 14 S R 10 E
Chain

March 28: At 7^h 30^m a.m. I lay off the azimuth of Polaris $10^{\circ} 26'$ to the east and mark the meridian thus determined by a cross in a stone firmly set in the ground, east of the point established last night.

The magnetic bearing of the true meridian is $10^{\circ} 5' E$

From the Spruce Knob
North, bet sees 31 and 32.

Over gradually rising ground.
Through dense undergrowth.

- 23.00 Begin steep ascent.
29.00 Top of ridge, bars E and N, descend.
34.00 Foot, bars E and N, ascend.
43.00 Top of E. slope of mountain; descend.
51.80 Gulch, course E, ascend.
The direction of the E and N line

West boundary of S 14 S, R 10 E

Chain

- being 15.00 chs S, therefore at
- 55.00 Set a small brass stone $24 \times 12 \times 8$ ins
 18 ins in the ground, for $\frac{1}{4}$ sec cor
 marked $\frac{1}{4}$ on N face, from which
 A pale vrdy 4 ins diam, brass S $74^{\circ} 30'$
 54 chs dist, marked $\frac{1}{4}$ S 31 B P.
 A pale vrdy 5 ins diam, brass N 20° N $35'$
 chs dist, marked $\frac{1}{2}$ S 36 B P.
- 70.50 Top of ridge, brass E and W, descend.
- 90.00 Inlet, course NE, ascend.
- 95.00 Set a granite stone, $18 \times 10 \times 6$ 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 ridge, from which
 A pale vrdy 6 ins diam, brass N $15^{\circ} 30'$ E
 31 chs dist, marked S 14 S R 10 E S 30 B P.
 An iron vrdy 4 ins diam, brass S $17^{\circ} 30'$ E $11'$
 chs dist, marked S 14 S R 10 E S 31 B P.
 A pale vrdy 6 ins diam, brass S $36^{\circ} 30'$ N $57'$

West boundary of S 14 S, R 10 W

Chamie

This dist marked S 14 S R 9 E S 36 B S.
A pale verde, 4 in diam, base N. 56 1/2° W
#4 the dist marked S 14 S R 9 E S 25 B S.
and raise a mound of stone 2 ft base 1 1/2
ft high, N of cor.

Land, mountainous and gently rolling
Soil, gravelly, stony and rocky; 3rd
and 4th rate.

Timber, pale verde and vine wood. un-
dergrowth, pale verde and cacti.
Great cactus.

Mountainous or land covered with dense
undergrowth, 95.00 chs.

North, bet sec 25 and 30.

Very mountainous land.

Ascending through dense pale verde
and cacti undergrowth.

1.00 Top of E slope of mountain, descend.

West boundary of S 14 S, R 10 E
chain

10.00 Set bars E and W.

13.00 To end

14.00 Set bars E and W, disend.

27.00 Set

4.000 Set a malpais stone, 15 x 10 x 6 ins, 12

ins in the ground, for 1/2 sec cor
marked 1/4 on N face, from which
A pale circle 4 ins diam, bears S 54 3/4° E 177

lbs dist, marked 1/4 S 30 B S.

A mesquite, 6 ins diam, bears S 53° W 196

lbs dist, marked 1/4 S 25 B S.

54.70 Dry wash, 20 lbs wide, course N. E.

8.000 Set a sandstone 20 x 8 x 6 ins, 14 ins in

the ground, for cor. A. S. res 19, 24, 25

and 30 marked with 2 notches on

land of notches on N. edge; from
which

A mesquite, 10 ins diam, bears N 3° E 71

lbs dist, marked S 14 S R 10 E S 19 B S.

West boundary of S 14 S, R 10 E

Chamiv

A mesquite, 4 ins diam, bears S $54^{\circ} 50'$ E, 81
lks dist, marked S 14 S R 10 E S 30 B S.

A pale verde, 4 ins diam, bears S $41^{\circ} 5'$ W,
173 lks dist, marked S 14 S R 9 E S 25 B S.

A pale verde, 4 ins diam, bears N $64^{\circ} 2'$ W,
250 lks dist, marked S 14 S R 9 E S 24 B S.

Land rolling and mountainous

Soil, sandy, gravelly, stony and rocky;
3rd and 4th rates.

Timber, pale verde and mesquite,
undergrowth, pale verde and cacti.
Grass cactus.

Mountainous or land covered with dense
undergrowth 8000 ft.

March 28: - at this cor. I set off $2^{\circ} 46'$
on the decl. arc. and, at 12 $\frac{1}{2}$ + $\frac{1}{2}$ l. n. t. observe
the sun on the meridian; resulting lat is $32^{\circ} 12' 4''$

North lat. goes 19 and 24

Very gently rolling land.

Through dense pale verde and cacti.

2. 30 Asend

West boundary of S 14 S, R 10 E
chain

11.50 Top of yellow ridge, bears N. N. and S. E.

22.00 S. end of resarpment of Pinacood mesa
bears about $\frac{3}{4}$ mile E.

22.00 Descend abruptly 40 ft from yellow
ridge.

32.61 Gravel, bears N. E. and S. W.

34.70 Dry wash, 40 lbs mds, course N. E.,
descend.

42.00 Set a calcareous stone 20 x 6 x 4 ins, 24
ins in the ground, for $\frac{1}{4}$ size cor marked
 $\frac{1}{4}$ on N. face, from which

A pale circle 8 ins diam bears S 48 $\frac{3}{4}$ E, 8
lbs dist, marked $\frac{1}{4}$ S 19 B S.

A pale circle 4 ins diam, bears N 77 $\frac{1}{2}$ W,
16 lbs dist, marked $\frac{1}{4}$ S 24 B S, and
raise a mound of stone 2 ft base, 12
ft high N. of cor.

47.00 Top of ridge bears E and N. descend.

West boundary of S 14 S R 10 E

Chains

56.00 Set bars E and N.

57.80 Day wash, 20 lbs wide, course E

76.70 Day wash, 15 lbs wide, course N. E.

79.00 Round.

80.00 Set a sandstone 20 x 12 x 4 ins, 12 ins in the ground, for cor. of secs 13, 18, 19 and 24, marked with 3 notches.

on S. and N. edges, from which an ironwood 8 ins diam, bears N 47° E 32 lbs dist marked S 14 S R 10 E S 18 B S.

A pale wood, 6 ins diam, bears S 28° E 24 lbs dist marked S 14 S R 10 E S 19 B S.

An ironwood, 12 ins diam, bears S 13²° N, 55 lbs dist marked S 14 S R 9 E S 24 B S.

A pale wood, 4 ins diam, bears N 55¹° N 91 lbs dist marked S 14 S R 9 E S 13 B S.

Land, mountainous and gently rolling. Soil, gravelly, stony and rocky; 3rd and 4th rate.

West boundary of S 14 S, R 10 E
Chamie

Timber, pale woods and ironwood.
undergrowth, pale woods and cacti.
Grant cactus.

Mountains of land covered with dense
undergrowth, 8,000 lbs.

March 28, 1903.

March 29. At 7^h 35^m a.m. l.m.t.; I set
off 32° 12' S on the lat arc, 3° 5' W on
the decl arc, and determined a meridian
with the solar at the wt of sres 13, 18,
19 and 24.

Shiner & run

North, bet sres 13 and 18.

Dry mountainous land.

Ascending through dense undergrowth.

6.25 Top of ridge, bars E and W, descend.

14.00 Foot.

16.35 Dry wash, 20 lbs wide, course E.

West boundary of T 14 S, R 10 E

Chain

19.65 Dry wash, 30 lbs wide, course S E.
ascend.

4.000 The point for $\frac{1}{4}$ sec cor falls on mal-
pais boulder in place, 4 x 3 ft, 1 ft
above ground on which

cut a cross (X) at the exact cor point
for $\frac{1}{4}$ sec cor, ^{marked $\frac{1}{4}$ W of (X)} from which

A pale rock, 5 ins diam, bears S 70° E, 36
lbs dist, marked $\frac{1}{4}$ S 18 B S.

An ironwood, 4 ins diam, bears $71^{\circ} 30'$ N,
13 lbs dist, marked $\frac{1}{4}$ S 13 B S. and
raise a mound of stone 2 ft base, $1\frac{1}{2}$
ft high, N of cor.

45.25 Top of ridge, bears E and N. descend.

61.30 Gulch, 30 lbs wide, course NE. Turn
over gently rolling land.

8.020 Set a sandstone, 20 x 10 x 6 ins, 14 ins
in the ground, for cor of secs 7, 12, 13
and 18, marked with 4 notches on S

West boundary of S 14 S R 10 E
chain

and 2 notches on N. edge from which
A pale verde, 10 ins diam, bears $N 65^{\circ} E 85$
ths dist marked S 14 S R 10 E S 7 B S.

A pale verde, 8 ins diam, bears $S 37 \frac{1}{2}^{\circ} E 83$
ths dist, marked S 14 S R 10 E S 15 B S.

A pale verde, 6 ins diam, bears $S 23 \frac{1}{4}^{\circ} N 105$
ths dist, marked S 14 S R 9 E S 13 B S.

A pale verde, 4 ins diam, bears $N 35 \frac{1}{2}^{\circ} N 49$
ths dist, marked S 14 S R 9 E S 12 B S.

Land, mountainous and greatly rolling.
Soil, generally stony and rocky; 3rd
and 4th rate.

Timber, pale verde mesquite and iron-
wood; undergrowth, pale verde, mesquite,
grassmord and Tisota.

Mountainous or land covered with dense
undergrowth, 8000 chs.

North, bet sees 7 and 12.

West boundary of S 14 S, R 10 E
Chain

Over gently rolling land.

Through dense Palo verde and cacti
undergrowth.

- 7.00 Dry wash, 15 lbs wide course N. E.
- 34.50 Dry wash, 40 lbs wide course N. E.
- 37.00 Same wash, 40 lbs wide course N. W.
- 4.00 Set a calcareous stone, 18 x 10 x 4 ins,
12 ins in the ground, for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on W face, from which
a pale verde, 10 ins diam, bears $S 51^{\circ} E, 147 \frac{1}{2}$
lbs dist, marked $\frac{1}{4}$ S 7 B S.
- A mesquite, 4 ins diam, bears $N 70^{\circ} W, 105$
lbs dist, marked $\frac{1}{4}$ S 12 B S.
- 45.00 Dry wash, 40 lbs wide course N. E.
- 56.30 Same wash, 40 lbs wide course N. W.
- 60.80 Dry wash, 50 lbs wide course N. E.
- 8.00 Set a sandstone, 18 x 10 x 8 ins, 12 ins in
the ground, for cor of secs 1, 6, 7 and
12, marked with 5 notches on S and

West boundary of S 14 S R 10 E
6 chains

1 notch on N. edge, from which
A pale oak, 6 ins diam bears $N 59^{\circ} E 226$
the dist marked S 14 S R 10 E S 2 B S.
A pale oak, 6 ins diam, bears $S 46^{\circ} E 78$
the dist marked S 14 S R 10 E S 7 B S.
A pale oak, 8 ins diam, bears $S 38^{\circ} N 71$
the dist marked S 14 S R 9 E S 12 B S.
A pale oak, 10 ins diam, bears $N 45^{\circ} N 58$
the dist marked S 14 S R 9 E S 1 B S.

Land gently rolling.

Soil sandy and gravelly, 3rd rate.
Timber, pale oak, ironwood and
mesquite, pale oak, grasswood and
cacti.

Giant cactus!

Dense undergrowth, save cacti!

North bit sac 1 and 6.
Over gently rolling land.

West boundary of S 14 S, R. 10 E
Chain

4.76 Sprung down underground
Sprung bars E. and W.

4.000 Set a granite stone, 18 x 12 x 10 ins, 12
ins in the ground, for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on W face, from which
A mesquite, 5 ins diam, bars S 64 $\frac{1}{2}$ ° E, 109
lbs dist, marked $\frac{1}{4}$ S 6 B S.

A mesquite, 10 ins diam, bars N 54 $\frac{1}{2}$ ° W,
74 lbs dist, marked $\frac{1}{4}$ S, B S.

40.40 Sprung bars N. W. and S. E.

77.80 Sprung bars E. and W.

8.000 Set a granite stone, 24 x 10 x 8 ins, 18
ins in the ground, for cor of Sps
13 and 14 S, Rs 9 and 10 E, marked
with 6 notches on each edge, from
which

A mesquite, 6 ins diam, bars N 58 $\frac{1}{2}$ ° E, 100
lbs dist, marked S, 3 S B 10 E S 3, B S.

A mesquite, 12 ins diam, bars S 64 $\frac{1}{2}$ ° E, 253

West boundary of S 14 S, R 10 E
Chain

This dist marked S 14 S, R 10 E S 6 B S
A pale coral, 8 ins diam, bears S 47 1/2° W 32

This dist marked S 14 S, R 9 E S 1 B S.

A mesquite, 6 ins diam, bears N. 20 3/4° W 65

This dist marked S 13 S, R 9 E S 36 B S,

and raise a mound of stone 2 ft base,
1 1/2 ft high, S of cor.

Land, mostly rolling.

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

Timber, pale cedar, mesquite and iron-
wood; undergrowth, grasswood, mesquite,
pale cedar and oak.

Giant cactus

Dense undergrowth, 8000 chf.

March 29, 1903.

General Description

This line runs over mountains

North boundary of T₁₄ S, R₁₀ E
 & hains
 and gently rolling land. T₁₄ S
 R₉ E is mountainous.

Philip Couzser
 N. S. Deputy Surveyor

March 30: At 7^h 30^m a.m. I set
 off 32° 15' N on the lat arc, 3° 28' W
 on the decl arc, and determine a
 true meridian with the solar at
 the eve of T₁₃ and 14 S, R₉
 and 10 E.

Then I run

East on a random line along the
 N. bdy of T₁₄ S, R₁₀ E setting
 temp^s & sec and sec eors at intervals
 of 4000 chs. and at 480.42 chs
 intersect the 2nd True Meridian
 E, at the eve of T₁₃ and 14 S,

North boundary of S 14 S, R 10 E
Chambers

Res 10 and 11 E, which is a mosquito
post, marked up and witnessed as
described by the surveyor general.

Shiner Point

West, bet sec 1 and 36.

Over level land.

Through dense mosquito and brack
undergrowth.

11.75 Nail, bears N. W. and S. E.

18.93 Nail, bears N. W. and S. E.

4.20 Set a mosquito post, 3 ft long, 4 ins sq,
with marked stone, 24 ins in the ground,
for $\frac{1}{4}$ sec on marked $\frac{1}{4}$ S 36 on E end
1 on S face, from which

A mosquito, 4 ins diam, bears S $19\frac{3}{4}^{\circ}$ E 45
lbs dist, marked $\frac{1}{4}$ S 1 B S.

A mosquito, 7 ins diam, bears N $3\frac{1}{4}^{\circ}$ N 270
lbs dist, marked $\frac{1}{4}$ S 36 B S.

8.00 Set a mosquito post, 3 ft long, 4 ins sq,

North boundary of S 14 S, R 10 E
Chain

with marked stone, 24 ins in the ground
for one of arcs 1, 2, 35 and 36, marked
S 13 S S 36 on N E,

R 10 E S 1 on S E

S 14 S S 2 on S W and

S 35 on N W face, with 1 notch on E,
and 5 notches on W. edge, from
which

A mesq. with 4 ins diam, bears N $36\frac{3}{4}^{\circ}$ E 302
lbs dist, marked S 13 S R 10 E S 36 B S.

A mesq. with 4 ins diam, bears S $49\frac{1}{2}^{\circ}$ E 167
lbs dist, marked S 14 S R 10 E S 1 B S.

A mesq. with 4 ins diam, bears S $67\frac{1}{2}^{\circ}$ W 117
lbs dist, marked S 14 S R 10 E S 2 B S.

A mesq. with 4 ins diam, bears N $42\frac{1}{2}^{\circ}$ W 277
lbs dist, marked S 13 S R 10 E S 35 B S.

Land, level and gently rolling.

Soil, sandy loam. Good water.

Timber, scattering mesq. with undergrowth.

North boundary of S. 17 S. R. 10 E
bluffs

mesquite and grasswood.
Dense undergrowth, 2000 ch.

March 30, 1903.

March 31: At 7⁰⁰ a.m. I set
off $32^{\circ} 25' N$ on the lat arc; $3^{\circ} 51' W$ on
the decl. arc, and determined a four
meridian with the solar at the cor
of sec 1, 2, 35 and 36.

Thence I run

West, bet sec 2 and 35.

Over level land.

I through dense undergrowth.

4000

Set a mesquite post, 3 ft long, 4 ins sq,
24 ins in the ground, for $\frac{1}{4}$ S 2 E
marked $\frac{1}{4}$ S 35 on N and 2 on S
fence, from which

A mesquite, 5 ins diam, bore S $28\frac{1}{2}^{\circ}$ E 83
lbs dist, marked $\frac{1}{4}$ S 2 B S.

North boundary of S 14 S R 10 E

Chain

A mesquite 4 ins diam, bears $N 37^{\circ} W$,
134 lbs dist, marked 4 S 35 B S.

8.000 Set a mesquite post 3 ft long, 4 ins
sq, 24 ins in the ground, for cor-
ner, sec 2, 3, 34 and 35, marked
S 13 S S 35 on N.E.

R 10 E S 2 on S.E.

S 14 S S 3 on S.W. and

S 34 on N.W. face, with 2 notches on
E and 4 notches on N edge; from
which

A mesquite, 6 ins diam, bears $N 15^{\circ} E 291$,
lbs dist, marked S 13 S R 10 E S 35 B S.

A mesquite, 6 ins diam, bears $S 75^{\circ} E 292$,
lbs dist, marked S 14 S R 10 E S 2 B S.

A mesquite, 7 ins diam, bears $N 49^{\circ} W 495$ lbs
dist, marked S 13 S R 10 E S 34 B S.

no other trees within limit dig pit
18 x 18 x 12 ins S.W. of post, $S 2^{\circ} E$ dist

North boundary of S 14 S R 10 E
 Chain

and raise a mound of earth 4 ft
 base, 2 ft high, N of cor.
 Land level and gravelly rolling.
 Soil, sandy and gravelly, 2nd and
 3rd rate.

Smaller, scattering mesquite, under-
 growth grasswood, mesquite and
 hoota.

Dense undergrowth, 6,000 ch.

Nest bet sees 3 and 34.

Over level land.

Through dense grasswood.

1485 Dry wash, 15 lbs wide course N.

4,000 Set a mesquite post, 3 ft long, 4 in
 sq, 24 in in the ground, for $\frac{1}{4}$ sec
 cor marked $\frac{1}{4}$ S 34 on N and 3 on
 S face, from which

A mesquite, 10 in diam, bears N 27° E 45

North boundary of S 14 S, R 10 E

Chain

The dist marked $\frac{1}{4}$ S 34 R S.

A mosquito net, 6 ins diam, bears S 43

69 the dist marked $\frac{1}{4}$ S 3 R S.

59.60 Dry wash, 10 lbs wide, course N.

8.000 Set a mosquito net, 3 ft long, 4

sq, 24 ins in the ground, for

area 3, 4, 33 and 34, marked

S 13 S S 34 on N E,

R 10 E S 3 on S E,

S 14 S S 4 on S W and

S 33 on N W face, with 3 notches

E and W edges, from which

A mosquito net, 8 ins diam, bears N 60

108 the dist marked S 13 S R 10 E S 34

A mosquito net, 4 ins diam, bears S 32 $\frac{3}{4}$ E 8

the dist marked S 14 S R 10 E S 31

A mosquito net, 5 ins diam, bears S 49

51 the dist marked S 14 S R 10 E S 34

A mosquito net, 4 ins diam, bears N 9

North boundary of S 14 S, R 10 E
 6 hours

166. The dist. marked S 13 S R 10 E S 33 B S.
 Land, level.

Soil, sandy and gravelly; 3rd rate.
 Timber, scattering mesquite, under-
 growth mesquite, grasswood and
 Acacia.

Dense undergrowth, 8000 ch.

Wet, bet. sec 4 and 33.

Very level land.

Through dense grasswood.

14.27 Bound, bears N. N. and S. E.

4000 Set a mosquito post, 3 ft long, 4 in
 sq, 24 ins in the ground, for $\frac{1}{4}$ sec on
 marked $\frac{1}{4}$ S. 33 on N. and 4 on S. face,
 from which

A mosquito, 6 ins diam, bears N 18° E, 188
 the dist. marked $\frac{1}{4}$ S 33 B S.

A mosquito, 4 ins diam, bears S 34 $\frac{1}{2}$ ° E,

North boundary of S 14 S, R 10 E

Chain

54 $\frac{1}{2}$ lks dist, marked $\frac{1}{4}$ S 4 B S.

66.35 Bend, bears N. W. and S. E.

68.88 Trail, bears N. and S.

72.85 Dry wash, 25 lks wide, corner N. E.

8.000 Set a mosquito trap, 3 ft long, 4 in
sq, 24 in in the ground, for cor of
secs 4, 5, 32 and 33, marked

S 13 S S 33 on N E,

R 10 E S 4 on S E,

S 14 S S 5 on S W and

S 32 on N W face, with 4 notches on
E and 2 notches on W face, from
whichA mosquito, 4 in diam, bears N $16\frac{3}{4}^{\circ}$ E,

99 lks dist, marked S 13 S R 10 E S 33 B S.

A mosquito, 6 in diam, bears S 57° E, 118

lks dist, marked S 14 S R 10 E S 4 B S.

A mosquito, 4 in diam, bears S $40\frac{3}{4}^{\circ}$ W, 115

lks dist, marked S 14 S R 10 E S 5 B S.

North boundary of S 14 S, B 10 E
 Chassis

Amesquite, 6 in diam, bears N 57° W, 128
 the dist, marked S 13 S B 10 E S 52 B S.
 Level, level.

Soil, sandy and gravelly; 3rd rate.
 Timber, scattering mesquite, undergrowth
 grasswood, mesquite and trefoil.
 Giant cactus.

Dense undergrowth 8000 cu. $3^{\circ} 56' N$
 March 31; - at this cor. East off 9000 ft -
 the decl. are, and at 12 1/2 3rd l. m. T. above
 the sun on the meridian; the resulting lat is $32^{\circ} 15' N$

Nest, bet sees 5 and 32.

Over level land.

Through dense mesquite and
 grasswood undergrowth.

- 21.20 Trail, bears N. W. and S. E.
 24.50 Dry wash, 80 lbs wide, course N. W.
 25.00 Dry wash, 20 lbs wide, course N. W.
 4.00 Set a granite stone, 18 x 10 x 6 ins, 12 ins
 in the ground, for 1/4 sec on marked
 1/4 on N. face; from which

North boundary of S 14 S R 10 E
6 trees

A pale verde, 8 ins diam, bears N 57° E,
61 lbs dist, marked $\frac{1}{4}$ S 32 B S.

A pale verde, 10 ins diam, bears S 28 $\frac{1}{2}$ °
N, 42 lbs dist, marked $\frac{1}{4}$ S 5 B S.

68.20 Dry wash, 40 lbs wide, course N.

69.43 Road, bears N. and S.

8000 Set a granite stone, 18 x 10 x 8 ins, 12
ins in the ground, for cor of sec
5, 6, 31 and 32, marked with 5 notches
on E and 1 notch on W edge, from
which

A pale verde, 6 ins diam, bears N 42 $\frac{11}{16}$ °
E, 424 lbs dist, marked S 18 S R 10 E
S 32 B S.

A light verde, 8 ins diam, bears S 55 $\frac{1}{2}$ ° E, 50
lbs dist, marked S 14 S R 10 E S 5 B S.

An ironwood, 20 ins diam, bears S 45 $\frac{1}{2}$ ° N,
178 lbs dist, marked S 14 S R 10 E S 6 B S.

A pale verde, 20 ins diam, bears N 55 $\frac{1}{4}$ ° W,

North boundary of S 14 S, R 10 W
Chambers

240 lbs dist, marked S 13 S R 10 W
S 31 B S.

Land, gently rolling and level.
Soil, sandy, gravelly and stony; and
and 4th rate.

Similar, pale verde, ironwood and
mesquits, undergrowth, pale verde,
grasewood, mesquits and cacti.
Giant cactus.

Dense undergrowth 8000 lbs.

West bet sec 6 and 31.

Over gently rolling land.

Through dense grasewood.

7.50 Dry wash, 2 chs wide, course N. E.

37.90 Soil bars N. E. and S. W.

4000 Set a sandstone, 18x8x6 ins, 12 ins
the ground, for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$
on N face, from which

North boundary of S 14 S, R 10 E

6 hand

A mesquite, 6 ins diam, bears S 35° E, 14.5
the dist, marked $\frac{1}{4}$ S 6 B S.

A mesquite, 6 ins diam, bears N 26 $\frac{3}{4}$ ° N, 10.9
the dist, marked $\frac{1}{4}$ S 31.3 S, and
raise a mound of stum 2 ft base,
1 $\frac{1}{2}$ ft high, N of cor.

53.40 Dry wash, 40 lbs wide, course N. E.

80.42 The cor of Sps 13 and 14 S, R 9
and 10 E.

Land, gently rolling.

Soil, sandy and gravelly; 3rd rate.

Timber, palo verde, mesquite and
ironwood; undergrowth, grasswood,
mesquite, palo verde and cacti.

Giant cactus.

Dense undergrowth, 80.42 ch

March 31, 1903.

General Description
This line runs over level land through scat-
tering mesquite timber and dense brush

A P P R O V A L.

Office of the
United States Surveyor-General,
Phoenix, Arizona.

March 8 - 1904

I.
The foregoing field notes of the survey of the West & North boundaries of T. 14 S., R. 10 E. of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

Executed by *Philip Contzen*
United States ^{Deputy} Surveyor, under his contract No. 104, dated Nov. 15, 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.