

W. + N. BOUNDARIES
T13 S R10 E

CONTRACT-104

PH. CONTZEN

U. S. DEP. SUR

1605

1605

4-671

BOOK 1605

BOOK 1605

FIELD NOTES
GENERAL LAND OFFICE.

1605

F.

220

Descriptive sheets made by
C. M. D. 2/15/1903

Descriptive sheets compared
by E. V. C. M. 5/18/04

Rid
8/13/03

Copied Nov 21, 1903 lost 2

original for examination 12/17/03

original made 10/10/03 29

Comp except table p. 92
3/5/04

as checked C. L. D. + G. M. D. - July 13/04

1605

Field Notes
 of the survey of the
 West and North Boundaries
 of
 Township No. 13 South
 Range No. 10 East
 of the
 Gila and Salt River Base and Meridian
 in the
 Territory of Arizona
 as surveyed by
 Philip Conzou
 W. S. Deputy Surveyor.

Under his contract No. 107.
 Dated November 15, 1902.

Survey commenced April 11, 1903
 Survey completed April 14, 1903.

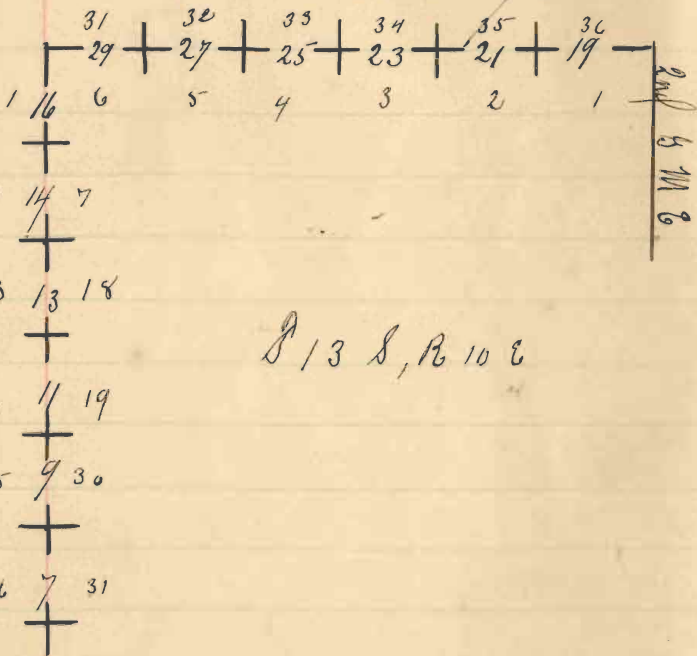
BOOK 1605

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

Index

BOOK 1605

North Bay.



West Bay

S 13 S, R 10 E

West boundary of S 13 S, R 10 E.

Clinius

Survey commenced April 11, 1903, and executed with a Young and Sons light mountain transit, No. 5607, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the Surveyor General for Arizona.

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

West boundary of S 13 S. R. 10 E.

6 hours

p. m. hours, with a meridian determined by observations on Polaris. I proceed as follows:

At the cor of Sps 13 and 14 S. Rs 9 and 10 E, as heretofore described, latitude $32^{\circ}15'N$, longitude $111^{\circ}22'05''W$, I set off $32^{\circ}15'N$ on the lat line, $8^{\circ}1'N$ on the decl arc, and at $3^h 30^m$ p. m. I m t, determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs N of the cor.

At $6^h 3^m$ p. m. by my watch, which is correct, I observe Polaris at truest elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs N. of my station.

West boundary of S 13 S 16 10 E.

Chains

April 11, 1903

BOOK 1605

April 12: At 7 a.m., l.m.t., I lay off the azimuth off Polaris $10^{\circ} 26'$ to the West and mark the meridian thus determined, by cutting a small groove in the stone set April 11, in which the meridian falls 0.2 ins east of the mark determined by the solar.

At 8^h00^m a.m., l.m.t., I set off $32^{\circ} 15' N$ on the lat. arc, $8^{\circ} 25'$ W on the circ. arc, and mark a point in the meridian, determined with ^{the} solar, by a cross in the stone already set 5 chs N of my station; this mark falls 0.1 ins east of the meridian established by the Polaris observation.

The solar approximates by a.m. and p.m. observations, defines positions

West boundary of S 13 S, R 10 E

Chain

for meridians with sufficient accuracy, therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of this true meridian at 8^h 30^m a m, is $113^{\circ} 5' W$.
The angle thus determined gives the mag. decl. $13^{\circ} 5' E$.

From the Sp ev already described,
I run

North, 67 sec 31 and 36.

Over level land.

Through dense undergrowth.

11.58 Dry wash, 10 lbs wide, course N. Westly.

4.00 Set a well laid stone, $18 \times 18 \times 6$ ins, 12 ins in the ground, for $\frac{1}{4}$ sec ev marked $\frac{1}{4}$ on W face, from which
A run, into, 5 ins chain, bears $S 52^{\circ} \frac{1}{2}' E$.

West boundary of S 13 S R 10 E:

Chains

205 lbs dist, marked $\frac{1}{4}$ S 31 B S.A mesquite, 5 ins diam, bears N $37\frac{1}{2}^{\circ}$ W,75 lbs dist, marked $\frac{1}{4}$ S 36 B S.

52.10 Dry wash, 10' lbs wide, course N. N. Easterly.

61.00 Trail, bears Easterly and Westerly.

76.50 Dry wash, 10 lbs wide, course N. Easterly.

80.00 Set a granite stone, 18 x 8 x 5 ins, 18 ins in
1st ground, for cor of sec 25, 30, 31 and
36, marked, with 1 notch on S and 5
notches on N edge, from whichA mesquite, 7 ins diam, bears N $48\frac{1}{2}^{\circ}$ E, 76

lbs dist, marked S 13 S R 10 E S 30 B S.

A mesquite, 9 ins diam, bears S 39° E, 51 lbs

dist, marked S 13 S R 10 E S 31 B S.

A mesquite, 12 ins diam, bears S $58\frac{3}{4}^{\circ}$ W 293

lbs dist, marked S 13 S R 9 E S 36 B S.

A mesquite, 6 ins diam, bears N 80° W 82

lbs dist, marked S 13 S R 9 E S 25 B S.

Land, bal:

West boundary of S 13 & 16 10 E.

Observations

Soil, sandy loam; 2nd rate.

Scattered mesquite and ironwood; undergrowth, grasswood and mesquite.

Dense undergrowth; 8000 cts.

North, bet sec 25 and 30.

Over bad land.

Through scattering mesquite timber and dense undergrowth.

15.03 Road, bears Easterly and Westerly.

27.67 Soil, bears N. Easterly and S. Westerly.

32.52 Soil, bears N. Easterly and S. Westerly.

40.00 Set a malpais stone 18 x 8 x 6 ins, 22 ins

in the ground, $\frac{1}{4}$ ft below marked $\frac{1}{4}$ on N face; from whichA mesquite, 4 ins diam, bears S $32\frac{1}{2}^{\circ}$ E ^{West-dip} $6\frac{1}{2}^{\circ}$ marked $\frac{1}{4}$ S 30 B S.A mesquite, 4 ins diam, bears N $50\frac{1}{2}^{\circ}$ W, 60 lbs dist, marked $\frac{1}{4}$ S 25 B S.

West boundary of S 13 S. 16 10 E.

Chains

- 4113 Nail, brass easterly and Westerly.
- 55.94 Nail, brass easterly and Westerly.
- 63.80 Nail, brass easterly and Westerly.
- 78.84 Nail, brass easterly and Westerly.
- 85.00 Set a granite stone, 15 x 12 x 6 ins, 12 ins in
the ground, for cor of arcs 19, 24, 25 and
30, marked with 2 notches on S and 4
notches on N. edge; from which
A magnetic, 4 ins chain, bears S $53\frac{3}{4}^{\circ}$ E, 86
the dist, marked S 13 S 16 10 E S 30 B S.
- A magnetic, 6 ins chain, bears S $71\frac{1}{2}^{\circ}$ N, 95
the dist, marked S 13 S 16 9 E S 25 B S.
- A magnetic, 7 ins chain, bears N 82° W, 121
the dist, marked S 13 S 16 9 E S 24 B S,
no other tower within limit; sig pit,
18 x 18 x 12 ins, N E of stone, $5\frac{1}{2}$ ft dist,
and raised in mound of earth 4 ft base,
2 ft high, W of cor.
Land, bred.

West boundary of S 13 S, R 10 E.

Chains

Soil, sandy and gravelly; 3rd rate.
 Timber, mesquite; undergrowth, grass-
 wood and mesquite.
 Dense undergrowth. 8000 lbs.

North, bet sees 19 and 24.

Over land.

Through scattering mesquite timber and
 dense undergrowth.

- 11.30 Dry wash, 50 lbs rods, course Easterly.
- 25.40 Trail, bears Easterly and Westerly.
- 39.07 Trail, bears N. Easterly and S. Westerly.
- 4000 Set a granite stone, 18 x 10 x 6 ins, 12 ins in
 the ground, foot $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ in
 N face, from which
 A mesquite, 9 ins diam, bears S $86\frac{3}{4}^{\circ}$ W, 87
 lbs dist, marked $\frac{1}{4}$ S 19 03 S.
 A mesquite, 4 ins diam, bears S $79\frac{1}{2}^{\circ}$ W, 84
 lbs dist, marked $\frac{1}{4}$ S 24 13 S.

West Cemetery of S 13 S, R 10 E.

6 brass

44.78 Nail, brass N. Easterly and S. Westerly.

55.65 Nail, brass N. Easterly and S. Westerly.

56.95 Dry wash, 10 lbs wide, course N. Easterly.

62.35 Nail, brass N. Easterly and S. Westerly.

8000 Set a marble stone, 15 x 5 x 7 ins, 12 in in the ground, fix end of srs 13, 18, 19 and 24, marked with 3 notches on S and N. edges, from which

A mosquito 4 in diam, brass S 52 1/2° W, 180 lbs dist, marked S 13 S R 9 E S 24 13 S, no other brass within limit, dig pit, 15 x 18 x 12 ins, N E, S E and N W of stone, 5 1/2 ft dist, and raise a mound of earth 4 ft base, 2 ft high, W of end.

Land, ball.

Soil, gravelly; 3rd rate.

Smiler, scattering mosquito; undergrowth, ferns wood and mosquito.

Dense undergrowth 8000 elev 8° 28' N.

April 12: at this cor. I set off 8000 ft on the decl. arc; and at 12.45 a.m. t. observed sun on meridian; resulting lat. is 32° 18' N.

West boundary of S 13 & R 10 E.

Observations

North bet s 13 and 18.
Over land.

Through dense undergrowth.

6.13 Trail, bears N. Easterly and S. Westerly.

4000 Set a malpais stone, 20 x 8 x 6 ins, 14 ins
in the ground, for $\frac{1}{4}$ s 13 or marked $\frac{1}{4}$ m
N face, from which

A trail, 4 ins diam, bears N 89 $\frac{1}{2}$ ° W, 114
lbs dist, marked $\frac{1}{4}$ S 13 B S; no other
true natural limit; dig pits 18 x 18 x 12
ins, N. and S. of stone, 3 ft dist, and
raise a mound of earth, 3 $\frac{1}{2}$ ft diam, 1 $\frac{1}{2}$ ft
high, N of ev.

6457 Trail, bears N. Easterly and S. Westerly.

8000 Set a malpais stone, 18 x 8 x 7 ins, 12 ins
in the ground, for ev. of s 13, 12, 13
and 18, marked with 4 notches on S.
and 2 notches on N. side; from which
A survey line, 5 ins diam, bears N 13 $\frac{1}{4}$ ° E, 206

West boundary of S 13 S. R 10 E

Chicoms

the dist. marked S 13 S R 10 E S 7 13 S
 A mesquite, 5 ins diam, bears S $52\frac{1}{2}^{\circ}$ E, 45
 the dist. marked S 13 S R 10 E S 14 13 S; no
 other trees within limit. dig pits 18 x 18 x 12
 ins, S W and N W of stand, $5\frac{1}{2}$ ft dist,
 and raise a mound of earth 4 ft base,
 2 ft high N of ev.

Soil, bad.

Soil, gravelly; good water.

Timber, scattering mesquite, under-
 growth, grasswood, mesquite and cedar.
 Dense undergrowth, 8000 els.

North, bet ores 7 and 12.

On bad land.

Through dense undergrowth.

7.43 Trail, bears N. Easterly and S. Westerly.

4000 Set a malpais stone, 18 x 8 x 8 ins, 12 ins
 in the ground, for $\frac{1}{4}$ ore ev marked $\frac{1}{4}$

West boundary of S 13 S R 10 E

chains

on N face, from which

A mosquito, 4 ins diam, bears S $78^{\circ} \frac{3}{4}$ E, 77
lbs dist, marked $\frac{1}{4}$ S 7 B S.A mosquito, 4 ins diam, bears S $77^{\circ} \frac{1}{4}$ W, 155
lbs dist, marked $\frac{1}{4}$ S 10 B S.800 Set a malpais stone, $20 \times 8 \times 8$ ins, 14 ins in
the ground, far end of srs 1, 6, 7 and 12,
marked with 5 notches on S and 1
notch on N. edge, from whichA mosquito, 5 ins diam, bears N $76^{\circ} \frac{1}{2}$ E, 111
lbs dist, marked S 13 S R 10 E S 6 B S.A mosquito, 5 ins diam, bears S $47^{\circ} \frac{1}{2}$ E, 90
lbs dist, marked S 13 S R 10 E S 7 B S.A mosquito, 7 ins diam, bears S $60^{\circ} \frac{3}{4}$ W,
187 lbs dist, marked S 13 S R 9 E S 12 B S.A mosquito, 6 ins diam, bears N $43^{\circ} \frac{1}{4}$ W,
253 lbs dist, marked S 13 S R 9 E S 1 B S.

Luna, bur.

Soil, sandy and gravelly; 2nd and

West boundary of S 13 S, R 10 E

C chain

3rd rate.

Scrubby scattering mesquite, under-
growth grasswood, mesquite and shrub.
Dense undergrowth, 8.00 chs.

North, but see 1 and 6.

Over level land.

Shrubby dense undergrowth.

3 41.45 Dry wash, 25 lbs wide, course N. Easterly.

4 0.00 Set a malpais stone, 18 x 8 x 6 ins, 12 ins
in the ground, for $\frac{1}{4}$ sec in marked $\frac{1}{4}$
on N face, from which

A mesquite, 6 ins diam, bears S 85 $\frac{3}{4}$ ° E,
194 lbs dist, marked $\frac{1}{4}$ S 6 B S.

A palo verde, 20 ins diam, bears N 56 $\frac{3}{4}$ ° W,
523 lbs dist, marked $\frac{1}{4}$ S 1 B S.

5 0.00 Begin ascent of E slope of mountain.

7 1.00 Top of slope, descend.

7 4.00 Round Knoll bears about 20 chs E.

West boundary of S 13 S, R 10 E.

Chains

8000

Set a well-pais stone, $24 \times 8 \times 7$ ins, 16 ins
in the ground, for cor of Sps 12 and 13
S, R 9 and 10 E, marked with 6 notches
on each edge, from which

A pale rock, 6 ins diam, bears $N 22^\circ E$, 84
lks dist, marked S 12 S R 10 E S 31 B S.

A pale rock, 7 ins diam, bears $S 27^\circ E$, 141
lks dist, marked S 13 S R 10 E S 6 B S.

A pale rock, 6 ins diam, bears $S 54\frac{3}{4}^\circ W$, 130
lks dist, marked S 13 S R 9 E S 1 B S.

A pale rock, 6 ins diam, bears $N. 63^\circ W$, 85
lks dist, marked S 12 S R 9 E S 36 B S.

Land, level and mountainous.

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

Timber, scattering mesquite and pale
rock, madroño, greasewood, mesquite
and trieta.

Mountainous or land covered with brush

West boundary of S 13 S, R 10 E.

Chains

undergrowth 5000 chs.

April 12, 1903.

This line runs over level land. The soil is sandy loam, sandy and gravelly. Mosquitoes is found along the line. S 13 S, R 10 E, is mountainous and level, chiefly valuable for grazing purposes. There are several settlers in this S. P. who have made some substantial improvements upon their holdings.

Philip Contzen
W. S. Deputy Surveyor.

North boundary of S 13 S, R 10 E.

Claims

April 13: At 7^h 45^m a.m., l.m.t., I set off 32° 20' N on the lat arc, 8° 47' N on the arc and, and determined a true meridian with the solar at the end of Sp 12 and 13 S, Rs 9 and 10 E.

Plum's Run

East on a random line, along the N. bdy of S 13 S, R 10 E, setting camp 4th sec and 4th cor at intervals of 4000 chs and at 480.00 chs intersect the 2nd Grid Meridian E, 18 chs N. of the end of Sp 12 and 13 S, Rs 10 and 11 E, which is a mesquite post, 4 ins sq, 12 ins above ground, marked and witnessed as described by the surveyor general. The falling answers to a correction of 0' 1", or 3 chs per mile, running from the V.E. cor of the Sp; therefore I run ~~289~~ 289¹/₂ sec 1 and 36.

Over level land.

North boundary of S 13 S, R 10 E.

Claims

- Shrub dense undergrowth
- 32.00 Dry wash, 15 lbs wide, course N. westerly
- 4.00 Set in ironwood post, 3 ft long, 4 ins sq,
with marked stone, 24 ins in the ground,
for $\frac{1}{4}$ sec in marked $\frac{1}{4}$ S 36 on N^{and part} face;
from which
- A mequnte, 6 ins diam, bears S $4\frac{1}{2}^{\circ}$ E, 77
lbs dist, marked $\frac{1}{4}$ S 1 B S.
- A mequnte, 4 ins diam, bears N. $15\frac{3}{4}^{\circ}$ W, 29
lbs dist, marked $\frac{1}{4}$ S 36 B S.
- 62.55 Dry wash, 10 lbs wide, course N. Westerly.
- 63.35 Dry wash, 15 lbs wide, course N. Westerly.
- 66.25 Dry wash, 10 lbs wide, course N. Westerly.
- 8.00 Set in ironwood post, 3 ft long, 6 ins sq,
with marked stone, 24 ins in the ground,
for cor of acres, 2, 35 and 36, marked
S 12 S S 36 on NE : :
R 10 E S 1 on S E,
S 13 S S 2 on S W end

North boundary of S 13, R 10 E.

Chains

S 35 on N W face, with 1 notch on N. and
 5 notches on W. face, from which
 A. mosquito, 4 ins diam, bears N. $65\frac{1}{2}^{\circ}$ E,
 169 lbs dist, marked S 12 S R 10 E S 36 B S.
 A mosquito, 6 ins diam, bears N $44\frac{1}{2}^{\circ}$ W, 199
 lbs dist, marked S 12 S R 10 E S 35 B S; no
 other trees within limit; dig pits,
 18 x 18 x 12 ins, S E and S W of post; 5 $\frac{1}{2}$ ft
 dist, and raise a mound of earth 4 ft
 base, 2 ft high, N of wd.

Good land.

Soil, sandy loam, good water.

Timber, scattering mosquito; undergrowth,
 mosquito and grasswood.

Dense undergrowth, saw cho.

789 59 What sees 2 and 35.

Poor land.

Strong, dense undergrowth.

North boundary of S 13 S, R 10 E.

Chains

2.95

Dry wash, 15 lbs wide, course N. Westerly

4.00

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

A mesquite, 4 ins diam, bears S 24° W,
141 lbs dist, marked $\frac{1}{4}$ S 2° 13 S.

A mesquite, 4 ins diam, bears N. 39 $\frac{1}{4}$ ° W,
326 lbs dist, marked $\frac{1}{4}$ S 35° 13 S.

8.000

Set an ironwood post, 3 ft long, 4 ins sq,
with marked stone, 24 ins in the ground,
for one of sides 2, 3, 34 and 35, marked
S 12 S S 35 on N E

R 10 E S 2 on S E

S 13 S S 3 on S W and

S 34 on N W face, with 2 notches on E
and 4 notches on W edge, from which
A mesquite, 4 ins diam, bears N 58 $\frac{1}{2}$ ° E, 400
lbs dist, marked S 12 S R 10 E S 35° 13 S.

North boundary of S 13, R 10 E.

Chains

A mosquito, 7 ins diam, bears S $23\frac{1}{4}^{\circ}$ E, 447
 lbs dist, marked S 13 S R 10 E S 2 B S.

A mosquito, 4 ins diam, bears S $26\frac{1}{2}^{\circ}$ W, 348
 lbs dist, marked S 13 S R 10 E S 3 B S.

A mosquito, 4 ins diam, bears N 33° W, 367
 lbs dist, marked S 12 S R 10 E S 4 B S.

Land, level.

Soil, sandy; 2nd and 3rd rates.

Timber, scattering mosquito; undergrowth,
 grasswood, mosquito and trefoil.

Drum undergrowth, 8,000 lbs.

$75^{\circ} 59' N$ bet sres 3 and 34.

Over level land.

Through drum/grasswood.

4,000 Set an ironwood post, 3 ft long, 4 ins sq,
 with marked stone, 24 ins in the ground,
 for $\frac{1}{4}$ sec in marked $\frac{1}{2}$ S 34 in N. and
 3 in S face, from which

North boundary of S¹ 13 S, R 10 E

Chains

A mesquite, 6 ins diam, bears S $27\frac{1}{2}^{\circ}$ W,
122 $\frac{1}{2}$ lbs dist, marked $\frac{1}{4}$ S 3 13 S.

A mesquite, 6 ins diam, bears N. $45\frac{1}{2}^{\circ}$ W, 115 $\frac{1}{2}$
lbs dist, marked $\frac{1}{4}$ S 34 13 S.

49.23 Nail, bears N. Easterly and S Westerly.

8 000 Set a mesquite post, 3 ft long, 4 ins sq,
with marked stone, 24 ins in the ground,
for cor of surs 3, 4, 33 and 34, marked
S 12 S S 34 on N. E,

R 10 E S 3 on S E,

S 13 S S 4 on S W, and

S 33 on N. W. fence, with 3 notches on E
and W sides, from which

A mesquite, 5 ins diam, bears N $46\frac{1}{2}^{\circ}$ E,
145 lbs dist, marked S 12 S R 10 E S 34 13 S

A mesquite, 5 ins diam, bears S $56\frac{1}{4}^{\circ}$ E,
223 lbs dist, marked S 13 S R 10 E S 3 13 S

A mesquite, 4 ins diam, bears N. 3° W 42
lbs dist, marked S 12 S R 10 E S 33 13 S, no

North boundary of S 13 S, R 10 E.

L. L. Lains

other two within limit; dig pit $18 \times 18 \times 12$ ins, S W of post, $5\frac{1}{2}$ ft dist, and raise a mound of earth, 4 ft base, 2 ft high, W of col.

Good land.

Soil, sandy loam; good water.

Timber, scattering magnolia; undergrowth, grasswood.

Dense undergrowth, 8000 lbs.

April 13th, 1903.

April 14: At 7^h 30^{am} a.m., level, I set off $32^{\circ} 20'$ N on the lat arc; go S W on the circ arc; and determine a true meridian with the solar at the col of arcs 3, 4, 33 and 34.

Shower & wind

~~189~~ 50' W lat arcs 4 and 33.

Over level land.

North boundary S 13 S R 10 E.

6 chains

Through a most grassy wood.

4000 Set an ironwood 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 33 on N. and 4
on S face, from which

A magnetic, 4 ins diam, bears N $85\frac{1}{4}^{\circ}$ E, 101
the dist, marked $\frac{1}{4}$ S 33 B S.

A magnetic, 5 ins diam, bears S $39\frac{1}{2}^{\circ}$ E, 301
the dist, marked $\frac{1}{4}$ S 4. B S.

8000 Set an ironwood post, 3 ft long, 4 ins sq,
with marked stone, 24 ins in the ground,
for cor of sec 4, 5, 32, and 33, marked
S 12 S S 33-32 E,

R 10 E S 4 on S E,

S 13 S S 5 on S W, and

S 32 on N W face, with 4 notches on E
and 2 notches on W edge, from which
A magnetic, 5 ins diam, bears S $46\frac{1}{4}^{\circ}$ W, 398
the dist, marked S 13 S R 10 E S 5 B S.

North boundary of S 13 S. R 10 E.

Chains

Mesquite, 4 ins diam, bears $N 35 \frac{3}{4}^{\circ} W$, 322
 lbs dist, marked S 12 S R 10 E S 32 13 S; no
 structures within limit, dig pits 18 x 18 x 10
 ins. N & and S. E of post, $5 \frac{1}{2}$ ft dist, and
 raise a mound of earth, 4 ft base, 2 ft high,
 N of ev.

Loam, hard.

Soil, sandy; 2nd and 3rd rates.

Scrub, scattering mesquite; under-
 growth, grassweed and mesquite.

Dense undergrowth, 8000 lbs.

~~N 35 1/4 W~~ lat 500 S and 32.

Over hard land.

Strongly domed grassweed.

9.48 Soil, bears N. Easterly and S. Westerly.

4200 Set a mesquite post, 3 ft long, 4 ins sq,
 with marked stone, 24 ins in the ground,
 for $\frac{1}{4}$ sec ev marked $\frac{1}{4}$ S 35 on N. and

North boundary of S 13 S R 10 E.

Glimms

2 on S face, from which

A mesquite 6 ins diam, bears N $39\frac{1}{2}^{\circ}$ E, 111lbs dist, marked $\frac{1}{4}$ S 32 B P.A mesquite, 4 ins diam, bears S $51\frac{1}{2}^{\circ}$ E, 16lbs dist, marked $\frac{1}{4}$ 5 B P.

6376 Spruce, bears N. Westerly and S. Easterly

6730 Dry wash, 15 lbs wide, course Northwly.

6444 Spruce, bears N. N. Westerly and S. S. Easterly.

7050 Dry wash, 15 lbs wide, course Northwly.

8000 Set a mesquite post, 3 ft long, 4 ins sq,
with marked stem, 24 ins in the ground,
for cor of sec 5, 6, 31 and 32 marked

S 12 S S 32 on N. E.

R 10 E S 5 on S E,

S 13 S S 6 on S W, and

S 31 on N W face, with 5 notches on

E and 1 notch on W edge; orig pits

18 x 18 x 12 ins, in rock sec, $5\frac{1}{2}$ ft dist,

and raised a mound of earth, 4 ft

North boundary of S 13 & R 10 Co.

Chains

base, 2 ft high, N of cor.
Level, level.

Soil, sandy and gravelly; 2nd and
3rd rate.

Timber, scattering mesquite, under-
growth, grasswood, mesquite and totota!

Dense undergrowth, 8000 cu

April 14: at this cor. I set off 90 11' N on the
decl. arc. and at 12 4 3 m C. M. T. observe the
sun on the meridian; resulting lat is 32° 21' N

769 59' West 52° 6' and 31.

Over level land.

Through dense grasswood.

4.00

Set an ironwood post, 3 ft long, 4 ins sq
with marked stem, 24 ins in the ground,
for $\frac{1}{4}$ sec on marked $\frac{1}{4}$ S 31 on N
and 6 on S face, from which

A mesquite, 4 ins diam, bears S 56 $\frac{3}{4}$ ° W,
162 lbs dist, marked $\frac{1}{4}$ S 6 B S.

A mesquite, 8 ins diam, bears N 78 $\frac{1}{4}$ ° W,
100 lbs dist, marked $\frac{1}{4}$ S 31 B S.

North boundary of S 13 S, R 10 E

6 hours

64.10 Road, bears N. Westwardly and S. Eastwardly.

65.00 Begin ascent of E slope of mountain.

67.88 Trail, bears Northwardly and Southwardly.

8.000 Shore of Sps 12 and 13 S, R 9 and 10 E
Lynn, Ind

Soil, sandy and stony; 2nd, 3rd and
4th cuts.

Scrub, scattering mosquito and
pink weed, undergrowth, grasses, and
mosquito and bristles.

Dense undergrowth, 8.000 lbs.

April, 14, 1903

General Description.

This line runs over level land, through scat-
tering mosquito timber and dense brush.

Sps 12 S, R 10 E, is level and brushy.

Philip Couzger

W. S. Deputy Surveyor

Boundaries of S 13 S, R 10 E.

— BOUNDARIES OF T 13 S. R 10 E —

LATITUDES, DEPARTURES AND CLOSING ERRORS

LINE DESIGNATED	TRUE BEARING	DISTANCE	LATITUDES		DEPARTURES	
			N.	S.	E.	W.
SOUTH BOUNDARY	WEST	480.42	---	---	---	480.42
WEST BOUNDARY	NORTH	480.00	480.00	---	---	---
NORTH BOUNDARY	SOUTH EAST	480.00	---	.18	480.00	---
GUIDE MERIDIAN	SOUTH	480.00	---	480.00	---	---
CONVERGENCY	---	---	480.00	480.18	480.46	480.42
TOTALS	---	---	---	480.00	480.42	---
ERROR IN LAT	---	---	---	.18	error	.04
	---	---	---	---	in dep.	---

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BOOK 1605

Final Oaths in Book "I"
Subs. T. 13 S. R. 11 E

For Authority of Red ink Corrections
see dePue's Letter of Feb 11th 1904

A P P R O V A L.

Office of the

United States Surveyor-General,

Phoenix, Arizona.

March 8-1904

The foregoing field notes of the survey

of the West & North boundaries of

T13S R10 E

of the Gila and Salt River Base and Me-

ridian, in the Territory of Arizona.

Executed By Philip Coutzen

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 sur-

veys they describe, are hereby approved.



U. S. Surveyor-General.