RESURVEY OF
S. BOUNDARIES
OF T14S R2 10 & 11E

AUTHORIZED BY
SPECIAL INSTRUCTIONS
DATED MAY 22-1903
PHILIP CONTZEN
U.S. DEP. SUR

1721

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BOOK 1721

4-671

FIELD NOTES

GENERAL LAND OFFICE.

1721

Copied 12/7/03 Teasley

Descriptive sheets made by
C M T - 2-16-04

Prof. [illegible] July 3/05/04 (141-10)

Desc checked CLD & GMG July 13/04

1721 BOOK 1721

Field Notes
Of the survey of the
South Boundaries
of
Townships Nos. 14 South
Ranges Nos. 10 and 11 East
of the
Gila and Salt River Base and Meridian
In the
Territory of Arizona
As surveyed by

Philip Contzen
U. S. Deputy Surveyor
Under Special Instructions
Dated May 22, 1903.

Survey commenced June 1, 1903.
Survey completed June 2, 1903.

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Preliminary Oaths of Assistants.

We, John M. Frayer

and W. H. Hill

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the South - boundaries of T. 7 S., R. 14 E., R. 10 E. & 11 E

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

John M. Frayer Chainman.

W. H. Hill Chainman.

Chainman.

Chainman.

Sworn and subscribed before me, this 5th day of March 1903

Homer Daniels
Notary Public.

[SEAL.]

My Commission Expires June 17, 1905

We, Chas. W. Pogue 24
and Frank Ryder
do solemnly swear that we will well and truly perform the duties of flagman and axeman
BOOK 1721
in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the South boundaries of Tps 14 S. Rs 10 E & 11 E
of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

Chas W. Pogue Flagman.
Frank Ryder Axeman.
..... Axeman.
..... Axeman.

Subscribed and sworn to before me this 5th day of March 1903

Homer Daniel
Notary Public.

Commission Expires Jan. 17, 1907.

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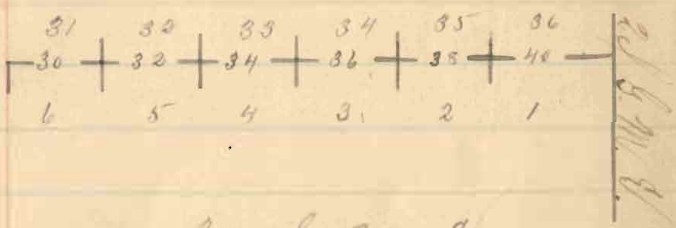
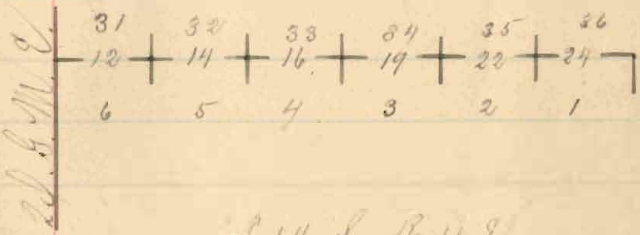


S 14 S, R 10 E.
S. Bdy.



S 14 S, R 11 E
S. Bdy.

BOOK 1721

Resurvey of the S. Bdy. of T. 14 S., R. 11 E.

Chmis

Survey commenced March 5, 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 2nd meridian at Phoenix found correct, and was approved by the Surveyor General for Arizona March 1, 1903.

I examine the adjustments of the transit and correct the level and collimation errors. then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a. m. and p. m. hours, with a

BOOK 1721

Resurvey of the S bdy of T 14 S., R 11 E

6 chains

meridian determined by observations on Polaris, & proceed as follows.

At the cor of Tps 14 and 15 S., Rs 11 and 12 E, which is a stone, marked and witnessed as described by the Surveyor General: latitude 32° 10' N., longitude ~~111°~~ 110° ~~W~~ W. I set off 32° 10' N. on the lat arc. 6° 13'8 on the dcl arc, and at 3h 00m p.m. l.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 8h 28m p.m., by my watch, which is correct, I observe Polaris at Western 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. March 5, 1903.

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Resurvey of the S bdy of S 14 & R 11 E.

6 Chains

March 6: At 7h 30m a. m. l. m. t. & lay off the azimuth of Polaris 1° 26' to the east, and mark the meridian thus determined, by cutting a small groove in the stone set March 5, on which the meridian falls 0.3 ins east of the mark determined by the solar.

At 8h 30m a. m. l m t. I set off 32° 10' N. on the lat arc. 5° 54' E. on the decl arc. and mark a point in the meridian determined with the solar, by a cross on the stone already set, 5 chs N. of my station. This mark falls 0.4 ins east of the meridian established by the Polaris observation.

The solar apparatus by p. m. and a. m. observations determines positions for meridians with sufficient accuracy. Therefore &

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Resurvey of the S. bdy of T 14 S., R 11 E.

6 chains

concludes that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 45' a. m. is N. 13° 15' W. the angle thus determined gives the mag. decl. 13° 15' E.

From the SE cor already described the old ¼ and sec cors bear S 88° 20' W, therefore B mm S 88° 20' W. on a blank line bet secs. 1 and 36.

4 0.00 Set mesquite post for temp ¼ sec cor of sec 36.

4 0.33 Find faint traces of old ¼ sec cor.
80.00 Set mesquite post for temp cor of secs 35 and 36.
80.66 Old sec cor.

From the cor of secs 1, 2, 35 and 36 old ¼ and sec cors bear S 89° 55' W. therefore

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Boundary of the S bdy of T 14 S, R 11 E.

Chains	
	From
	S 89° 55' W, on a blank line bet-
	sres 2 and 35.
39.34	Set a mesquite post for temp ¼ sec
	cor of sec 35.
39.95	Find old decayed post lying on the
	ground and faint traces of old pits.
79.34	Set a mesquite post for temp cor of
	secs 34 and 35.
79.90	Old sec cor.

From the cor of secs 2, 3, 34 and 35, old ¼ and sec cors bear S 89° 23' W;

Thence from

S 89° 23' W, on a blank line bet secs

3 and 34.

39.44	Set mesquite post for temp ¼ sec cor
	of sec 34.
40.07	Old ¼ sec cor.

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Resurvey of the S bdy of S 14 S, R 11 E.

Chains	
79.44	Set a magnetic post for temp cor of secs 33 and 34.
80.01	Old sec cor.

From this cor of secs 3, 4, 33 and 34, old ¼ and sec cors bear S 89° 13' W;
Distance 5 rm
S 89° 13' W, on a blank line bet secs 4 and 33.

39.43	Set magnetic post for temp ¼ sec cor of sec 33.
40.06	Cmd saint trees of old ¼ sec cor.
79.44	Set a magnetic post for temp cor of secs 4 and 33
80.00	Old sec cor.

From this cor of secs 4, 5, 32 and 33 old ¼ and sec cors bear S. 89° 1' W;
Distance 5 rm
S 89° 1' W, on a blank line bet secs 5 and 32.

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Resurvey of the S bdy of S 14 S, R 11 E.

6 chains

39.43 Set a mesquite post for temp ¼ sec cor of secs 32.

40.03 Old ¼ sec cor.

79.43 Set a mesquite post for temp cor of secs 31 and 32.

79.95 Old sec cor.

From the cor of secs 5, 6, 31 and 32, old ¼ and S/s cors bear S 89° 24' W, 1 link for 5 rods

S 89° 24' W on a blank line bet secs 6 and 31.

39.48 Set a mesquite post for temp ¼ sec cor of sec 31.

39.88 Find faint traces of old ¼ sec cor.

82.30 Old S/s cor.

March 6, 1903.

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Resurvey of the S Bdy of S 14 S, R 11 E.

Chains

Finding this line out in alignment and measurement, I write to the Surveyor General for proper authority from the Hon. Commissioner of the General Land Office to resurvey the same, which authority was granted May 22, 1903.

I proceed to the old cor of Sps 14 and 15 S, Rs 10 and 11 E, which is a volcanic stone, marked and witnessed as described by the Surveyor General.

At the above cor, June 1, 1903, I examine the adjustments of the instrument and find the same in satisfactory condition.

At 6h 30m a. m, l. m. t, I set off 32°10' N on the lat arc, 22° 4' N on the dec arc, and determine a true meridian with the solar.

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Resurvey of the S bdy of T 14 S, R 11 E.

Chains	
	Thence I run
	N 89° 24 E, bet secs 6 and 31.
	Over level land.
	Through dense undergrowth.
35.10	Dry wash, 10 lks wide, course W.
37.60	Dry wash, 10 lks wide, course N. E.
42.42	Find faint evidence of old ¼ sec cor, which I reestablish at the same point as follows:
	Set a granite stone, 18 x 10 x 6 ins, 12 ins in the ground, for ¼ cor of sec 6, marked ¼ on S. face, from which
	A mesquite, 6 ins diam, bears S 60° E, 89 lks dist, marked ¼ S 6 B S.
	A mesquite, 4 ins diam, bears S 22½° W, 12 lks dist, marked ¼ S 6 B S.
42.82	Set a mesquite post, 3 ft long, 4 ins sq, 24 ins in the ground, for ¼ cor of sec 31, marked ¼ S31 on N face, from
✓	

BOOK 1721

Resurvey of the S bdy of S 14 S, R 11 E.

Chain

which

A mesquite 10 ins diam, bears N. 10 ½° E, 104 lks dist, marked ¼ S 31 B S.

A mesquite, 6 ins diam, bears N. 36 ½° W, 141 lks dist, marked ¼ S 31 B S.

S 2.30 Retraced the old cor of secs 5, 6, 31 and 32, which is a volcanic stone 8 x 6 ins, 6 ins above ground, with marks nearly obliterated. Proceeded to establish said cor for cor of secs 5 and 6, as follows:

Remark stone, dig pits 24 x 24 x 12 ins, in each sec, 6 ft dist, and raise a mound of earth 4 ft base, 2 ft high N of cor.

Land, level.

Soil, sandy loam. 2nd rate.

Timber, scattering mesquite, under growth mesquite, tesota, grasswood and cacti

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Resurvey of the S bdy of S 14 S, R 11 E.

Chains

Dense undergrowth, 82.30 chs.

N 89° 1' E, brt thro secs 5 and 32.

Occ bnl land.

Through dense undergrowth.

.54 Set a mesquite post 4 ins sq, 3 ft long, 24 ins in the ground, for cor of secs 31 and 32, marked S 14 S S 32 on N E and R 11 E S 31 on N. W faces, with 5 notches on E and 1 notch on N. W edges, from which

A mesquite, 5 ins diam, bears N. 18¼° E, 239 lks dist, marked S 14 S R 11 E S 32 B S.

A mesquite, 8 ins diam, bears N. 5½° W, 194 lks dist, marked S 14 S R 11 E S 31 B S.

4.50 Dry wash, 10 lks wide, course N. E.

6.05 Dry wash, 10 lks wide, course N. E.

8.35 Dry wash, 10 lks wide, course N. E.

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Resurvey of the S boy of S 14 S, R 11 E.

Chains	
16.50	Dry wash, 10 lks wide, course N. E.
21.10	Dry wash, 10 lks wide, course N. E.
28.00	Dry wash, 10 lks wide, course N. E.
39.92	Old ¼ sec cor, which is a malpais stone; no traces of old pits remain. Reestablish cor for ¼ cor of sec 5. by remarking stone and redigging pits. 2nd Raise a mound of ~~earth~~ 3½ ft base, 1½ ft high S. of cor.
40.52	Set a mesquite, 4 ins sq, 3 ft long, 24 ins in the ground, for ¼ cor of sec 32, marked ¼ S 32 on N. face; dig pits 18 x 18 x 12 ins, E. and W of post, 3 ft dist, and raise a mound of earth 3½ ft base, 1½ ft high, N. of cor.
79.95	Intersect the old cor of secs 4, 5, 32 and 33, which is a malpais stone, 8 x 8 ins, 6 ins above ground; find no indications of old pits. Reestablish cor for cor of secs 4 and 5 by remarking

Resurvey of the S bdy of T 14 S, R 11 E

Chains

stone and digging pits 24 x 24 x 12 ins, in each sec, 6 ft dist, and raising a mound of earth 4 ft base, 2 ft high, W. of cor.

Land, level.

Soil, sandy; 2nd and 3rd rate.

Timber, scattering mesquite; undergrowth, mesquite, larrea, baccharis, grasswood and cacti.

Dense undergrowth, 79.95 chs.

N 89° 13' E, bet secs 4 and 33.

Over level land.

Through dense undergrowth.

.56 Set a mesquite post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for cor of secs 32 and 33, marked T 14 S S 33 on N E and R 11 E S 32 on N W face, with 4

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Resurvey of the S bdy of S 14 S R 11 E.

Chains

notches on E and 2 notches on W rdgs, dig pits 24 x 24 x 12 ins in each sec, 6 ft dist, and raise a mound of earth 4 ft base, 2 ft high, N. of cor.

24.00 Old road, bears N. W. and S. E.

39.94 Find faint traces of old ¼ sec cor. which I reestablish at the same point as follows.

Set a mesquite post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for ¼ cor of sec 4, marked ¼ S 4 on S face. dig pits 18 x 18 x 12 ins, E and W of post, 3 ft dist, and raise a mound of earth 3½ ft base, 1½ ft high S of cor

40.87 Set a mesquite post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for ¼ cor of sec 33, marked ¼ S 33 on

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Traverse of the S bdy of S 14 S, R 11 E

Chains

N. face dig pits 18 x 18 x 12 ins, & and N of post, 3 ft dist, and raise a mound of earth, 3½ ft base, 1½ ft high, N of cor.

51.85 Dry wash, 15 lks wide, course N.

8.00 Intersect the old cor of secs 3, 4, 33 and 34, which is a mal/pais stone lying above ground, cor point determined by old bearing trees. Reestablish cor at same point for cor of secs 3 and 4 as follows:

East stone, from which

A mag nail, (old B S) 6 ins diam, bears S 54° E, 124 lks dist, marked S 15 S R 11 E, S 3 B S. no other tree within limit, dig pit 24 x 24 x 12 ins, S. W of stone, 6 ft dist, and raise a mound of earth 4 ft base, 2 ft high, W of cor.

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Resurvey of the S bdy of S 14 S., R 11 E.

6 chains

Land, level.

Soil, sandy; 2nd and 3rd rate.

Timber, scattering mesquite, under-growth, mesquite, greasewood, cresota and cacti.

Meas. undergrowth 8,000 lks.

June 1:- At this cor. I set off 7° 59' W on the decl. arc, and at 12 h 6 m l.m.t. observe the sun on the meridian; the resulting declin. is 32° 10' N

N 89° 23' E, bet. secs. 3 and 34.

Over level land.

Through dense mesquite underbrush.

.84 Set a mesquite 3 feet long, 4 ins sq., with marked stone, 24 ins in the ground, for cor. of secs 33 and 34, marked T. 14 S. S 34 on N E, and R 11 E S 33 on N W faces, with 3 notches on E and W edges, from which A mesquite, 8 ins diam, bears N 50¼° E 131 lks dist, marked T 14 S R 11 E S 34 B T. no tree within limit, dig

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Resurvey of the S Bdy of S 14 S, R 11 W

6 chains

set 24 x 24 x 12 ins, N. W. of post, 6 ft dist, and raise a mound of earth 4 ft base, 2 ft high, W. of cor.

39.94 Intersect old ¼ sec cor, which is a malpais stone, with marks obliterated and no indications of pits. Re establish cor at same point for ¼ cor sec 3 as follows.

Set a malpais stone, 18 x 6 x 6 ins, 12 ins in the ground, for ¼ sec cor of sec 3 marked ¼ on S face; dig pits 18 x 18 x 12 ins, E and W of stone, 3 ft dist, and raise a mound of earth 3½ ft base, 1½ ft high S. of cor.

40.57 Set a mesquite post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for ¼ cor of sec 34, marked ¼ S 34 on N face; dig pits 18 x 18 x 12 ins, E and W of post, 3 ft dist, and raise

BOOK 1721

Crossing of the S bdy of S 14 S, R 11 E.

Chains

a mound of earth 3½ ft base, 1½ ft high, W. of cor.

8.01 Intersect the old cor of secs 2, 3, 34 and 35, which is a malpais stone with marks greatly defaced; no indications of old pits. Reestablish cor at same point as follows, for cor of secs 2 and 3:

Remark stone; dig pits 24 x 24 x 12 ins, in each sec, 6 ft dist, and raise a mound of earth 4 ft base, 2 ft high, W of cor.

Sound, level.

Soil, sandy. 2nd and 3rd rate.

Timber, scattering mesquite; undergrowth, mesquite, grass wood and cacta.

Dense undergrowth, 8.01 chs.

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Resurvey of the S bdy of S 14 S, R 11 E

Chains

N 89° 55' E, brk secs 2 and 35.
Over level land.
Through dense undergrowth.

.52 Set a mesquite post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for cor of secs 34 and 35, marked S 14 S S 35 on N E, and R 11 E S 34 on N W faces, with 2 notches on E and 4 notches on W. edges; dig pits 24 x 24 x 12 ins, in each, 2 sec ft dist, and raise a mound of earth 4 ft base, 2 ft high, W of cor.

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

22.20 Old road, bears N W and S E.

39.95 Find faint traces of old ¼ sec cor, which I reestablish at same point for ¼ cor of sec 2, as follows: Set a mesquite post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground,

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Traverse of the S. bdy of S. 14 S., R. 11 E.

Chains

marked ¼ S 2 on S face; dig pits 18 x 18 x 12 ins, E and W of post, 3 ft dist, and raise a mound of earth 3½ ft base, 1½ ft high S. of cor.

40.56 Set a mesquite post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for ¼ cor of sec 35, marked ¼ S 35 on N face. dig pits, 18 x 18 x 12 ins, E and W of post, 3 ft dist, and raise a mound of earth 3½ ft base, 1½ ft high, N. of cor.

79.90 Intersect the old cor of secs 1, 2, 35 and 36, which is a malpais stone, no traces of old pits remain. Reestablish cor at same point for cor of secs 1 and 2, as follows:

Dig pits 24 x 24 x 12 ins S. E. and S. W. of stone, 6 ft dist, and raise a

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Resurvey of the S bdy of T 14 S, R 11 E

Chains	
	mound of earth 4 ft base, 2 ft high,
	W of cor.
	Land, level.
	Soil, sandy; 2nd and 3rd rate.
	Timber, scattering mesquite, under-
	growth, mesquite, cholla and greasewood.
	Dense undergrowth, 79.90 chs.
	N 88° 20' E, bet secs 1 and 36.
	Over level land.
	Through dense undergrowth.
.35	Dry wash, 30 lks wide, course S W.
.66	Set a mesquite post, 3 ft long, 4 ins sq.
	with marked stone, 24 ins in the ground
	for cor of secs 35 and 36, marked
	T 14 S S 36 on N E, and
	R 11 E S 35 on N.W. face with 1
	notch on E and 5 notches on W.
	edges; dig pits 24 x 24 x 12 ins in

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Resurvey of the S. bdy of T 14 S., R 11 E.

6 Chains

each sec 6 ft dist and raise a mound of earth 4 ft base, 2 ft high, W of cor.

18.00 Dry wash, 25 lks wide, course N. N. W.

40.33 Find old dr cagrd post lying on the ground and faint indications of old pits. Reestablish old cor at same point for 1/4 cor of sec 1, as follows:

Set a mesquite post, 3 ft long, 4 ins sq., with marked stone, 24 ins in the ground for 1/4 cor of sec 1, marked 1/4 S 1 on S face; dig pits 18 x 18 x 12 ins, E and W of post, 3 ft dist, and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high, S. of cor.

40.66 Set a mesquite post, 3 ft long, 4 ins sq., with marked stone, 24 ins in the ground

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Resurvey of the S bdy of S 14 S, R 11 E

Chains

for ¼ cor of sec 36, marked ¼ S 36 on N face. dig pits 18 x 18 x 12 ins, E and W of post 3 ft dist, and raised a mound of earth 3½ ft base, 1½ ft high, N of cor.

80.66 S ½ cor of S[illegible] 14 and 15 S, R 11 and 12 E.

Sandy, level.

Soil, sandy; and and 3rd rate.

Timber, scattering mesquite, undergrowth, mesquite, greasewood and cacti.

Owner undergrowth, 80.66 chs.

June 1, 1903.

Philip S Cortez,
U. S. Deputy Surveyor.

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Resurvey of the S bdy of S 14 S, R 10 E.

6 chains

March 7, 1903: At 7h 30m a m, I mt & set off 32° 10' E. on the 1st arc, 5° 31' E. on the 2nd arc, and determined a true meridian with the solar at the cor of S[ec] 14 and 15 S, Rs 10 and 11 E.

Thence From

S 88° 12' W, on a random line bet secs 1 and 36

39.98 Old ¼ sec cor bears S. 64 lks dist.

80.18 Old cor of secs 1, 2, 35 and 36, bears S. 129 lks dist.

S 88° 12' W, on a random line bet secs 2 and 35.

39.80 Old ¼ sec cor bears S. 73½ lks dist.

80.11 Old cor of secs 2, 3, 34 and 35 bears S. 148 lks dist.

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Resurvey of the S bdy of S 14 S, R 10 E

6 Chains

S. 88° 12' W, on a random line bet secs 3 and 34.

4.00 Old ¼ sec cor bears S. 32½ lks dist.

80.24 Old cor of secs 3, 4, 33 and 34 bears S. 64 lks dist.

S 88° 12' W, on a random line bet secs 4 and 33.

40.08 Old ¼ sec cor bears N. 328 lks dist.

80.19 Old cor of secs 4, 5, 32 and 33 bears N. 656 lks dist.

S. 88° 12' W, on a random line bet secs 5 and 32.

~~40.43~~ 43.91 Old ¼ sec cor bears S. 160 lks dist.

84.34 Old cor of secs 4, 5, 31 and 32 bears S. 203 lks dist.

S 88° 12' W, on a random line bet secs

Resurvey of the S. bdy of T 14 S, R 10 E

Chains

6 and 31.

40.20 Old ¼ sec cor bears S. 49 lks dist.

35.32

75.52 S bdy old cor of Tps 14 and 15 S, Rs 9 and 10 E, bears S. 94 lks dist.

March 7, 1903.

Finding this line out in alignment and measurement, I write to the Surveyor General for proper authority from the Hon. Commissioner of the General Land Office to resurvey the same, which resurvey was authorized May 22, 1903.

I proceed to the old cor of Tps 14 and 15 S, Rs 9 and 10 E, which is a malpais stone, marked and witnessed as described by the Surveyor General. At the above cor, June 2, 1903, I ex-

Resurvey of the S. bdy of T 14 S., R 10 E.

6 chains

amine the adjustments of the instrument and find the same in satisfactory condition.-

At 6h 45m a m, l m t, ☉ set off 32°10' N. on the tat arc, 22°5' N. on the decl arc, and determine a true meridian with the solar.

Shiner from S/p cor 8 nks

N. 87° 30 E, bet secs 6 and 31.

Over level land.

Through dense prairie weeds and cactus undergrowth.

1.23 Dry wash, 15 lks wide, course S. W.

9.28 Dry wash, 10 lks wide, course S. W. as cond.

21.18 Dry wash, 10 lks wide, course S. W.

26.30 Top, brs N. and S; dis cond.

32.78 Dry wash, 10 lks wide, course S; as cond.

35.32 Old ¼ sec cor, which is a malpais stone, 18 x 8 x 6 ins, lying on the ground. no

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Township of the N. bdy of S 14 S, R 10 E.

6 chains

traces of old pits remain. Cor point determined by old bearing trees. I reestablish cor at same point as follows:

Remark mnd rest stone, dig pits 18 x 18 x 12 ins, E and W of stone, 3 ft dist and raise a mound of earth 3½ ft base, 1½ ft high, N of cor.

37.30 Set p of mesa.

65.30 Begin ascent from mesa.

70.00 Set p ridge, crops N and S, ground.

75.52 Intersect the old cor of secs 5, 6, 31 and 32, which is a malpais stone 6 ins 10 x 10 ins, above ground, and a scattered mound of stone; the two bearing trees are in a good state of preservation. I reestablish cor by remarking stone and rebuilding mound, W of cor.

Sand, rolling and level.

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Resurvey of the S Bdy of S 14 R 10 E

Chains	
	Soil, gravelly and stony. 3rd and 4th rate.
	Timber, scattering pale verde and ironwood, undergrowth, pale verde, tesota and cacti.
	Giant cactus.
	Cross undergrowth, 75.52 chs.
	N 87° 35' E, bet secs 5 and 32.
	Over mountainous land.
	Descending through dense pale verde and cacti undergrowth.
5.60	Dry wash, 15 lks wide, course S. E. ascend.
8.18	Trail, bears N. W. and S. E.
28.00	Top of ridge, bears N. and S. descend.
33.00	Dry wash, 10 lks wide, course S. W. ascend.
40.43	Intersect old ¼ sec cor, which is a marl pile stone, 8×6 ins, 6 ins above

Traverse of the S bdy of T 14 S, R 70 E.

Chains

ground, with marks not recognized and a scattered mound of stone. Old bearing trees decayed. Reestablished cor by remarking stone and raising a mound of stone 2 ft base, 1½ ft high N. of cor.

Shovel ~~N. 85° 55 E.~~ N 86° 07' E

1.37 Trail, bears N. E. and S. W.

13.60 Top of ridge, bears N. and S. descend.

21.60 Foot, bears N. and S; ascend.

34.42 Top of ridge, bears N. and S. descend.

43.91 Intersect the old cor of secs 4, 5, 32 and 33, which is a granite stone, 10 x 8 ins, 6 ins above ground, with marks almost obliterated, and a scattered mound of stone. Reestablish cor by remarking stone and raising a mound of stone 2 ft base, 1½ ft high, W. of cor.

BOOK 1721

Traverse of the S. bdy of S. 14 S., R. 10 W.

Chains

Land, mountainous.

Soil, gravelly, stony and rocky. 3rd and 4th rate.

Timber, palo verde, mesquite and iron-wood. under growth, palo verde, mesquite, yucca and cacti.

Giant cactus.

Mountainous or land covered with dense undergrowth, 84.34 chs.

S. 87° 9' E., bet secs 4 and 33.

Over mountainous land.

Descending through dense palo verde and cacti undergrowth.

1.80 Dry wash, 10 lks wide, course S. W. ascend.

15.00 Top of ridge, bears N. and S. descend.

22.00 Foot, bears N. and S. ascend.

25.00 Top of ridge, bears N. and S. descend.

29.00 Foot, bears N. and S. ascend.

BOOK 1721

Resurvey of the N bdy of S 14 S, R 10 E

Chains

31.00 Sop of ridge, brars N. and S. drs end.

39.30 Dry nash, 10 lks wide, corns N. E. as end.

40.08 Entr set old ¼ sec cor, which is a malpais stone lying on the ground and a scattered mound of stone & unestablish cor at some point as follows:

Reset stone, and raise a mound of stone 2 ft base, 1½ ft high, N. of cor. Pits impracticable.

67.00 Sop of ridge, brars N. and S. drs end.

64.25 Dry nash, 10 lks wide, corns S. E. as end.

78.00 Sop of ridge brars N. and S. drs end.

80.19 Entr set the old cor of secs 3, 4, 33 and 34 which is a malpais

BOOK 1721

Resurvey of the S Bdy of Sec 4, R 10 E

6 chains

stone, 12 x 8 ins, 6 ins above ground, no traces of old pits remain. Reestablished cor by digging 4 pits, 18 x 18 x 12 ins, in each one, 5 ft dist, and raised a mound of earth 4 ft. base, 2 ft high, W. of cor.

Land, mountainous.

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

Timber, prairie reeds, undergrowth, prairie reeds, mesquite, cactus and cacti.

Giant cactus

Mountainous or land covered with redwood undergrowth, 80.19 chs.

N 87° 45' E, bet sec 3 and 34.

Over mountainous land.

Descending through dense prairie reeds and cacti undergrowth.

BOOK 1721

Traverse of the S bdy of T 14 S, R 10 E

Chains	
1.50	Post, bears N. and S. asend.
4.75	Top ridge, bears N. and S. dsend.
12.30	Post, bears N. E. and S. W. asend.
20.75	Top of hill. dsend.
33.00	Post and asend.
40.00	Intersect old ¼ sec cor, which is a granite stone, 8 x 8 ins, 6 ins above ground, faintly marked, I reestablish cor by remarking stone and rebuilding old scattered mound of stone 2 ft base, 1½ ft high, N. of cor.
44.00	Top of ridge, bears N. and S. dsend.
47.00	Post, bears N. and S. asend.
57.00	Top of ridge, bears N. and S. dsend.
72.00	Post, bears N. and S. asend.
75.00	Top of ridge, bears N. and S. dsend.
80.24	Intersect the old cor of secs 2, 3, 34 and 35, which is a limestone

BOOK 1721

Runway of the S bdy of S 14 & R 10 E

6 chains

8 x 5 ins, 6 ins above ground, and a scattered mound of stone alongside. Irrestablish cor by raising a mound of stone 2 ft base, 1½ ft high, W. of cor. Land, mountainous.

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

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

Giant cactus.

Mountainous or land covered with dense undergrowth 30.24 chs.

June 2: At this cor. I set off 220 6' W. on the decl. arc; and at 12h 4m 4s. L. M. T. observe the sun on the meridian; the resulting Lat. is 32°10'. N

N 87° 9' E, bet secs 2 and 35.

Over mountainous land.

Ascending through dense palo verde undergrowth.

13.50 Dry wash, 25 lks wide runs N. E.,

BOOK 1721

Resurvey of the S boundary of S 10 S, R 10 E

Chains	
	Thence over gently rolling land.
16.20	Same wash, 25 lks wide, course S. E.
19.15	Same wash, 25 lks wide, course N. E.
39.80	Intersect old ¼ sec cor, which is a malpais stone, 10 x 6 ins, 6 ins above ground; old bearing trees are in a good state of preservation.
55.58	Trail, bears N. W. and S. E.
61.60	Trail bears N. and S.
69.30	Trail, bears N. E. and S. W.
70.14	Road, bears N. N. E. and S. S. W.
73.15	Dry wash, 15 lks wide, course N.
80.11	Intersect the old cor of secs 1, 2, 35 and 36, which is a malpais stone, 8 x 8 ins, 6 ins above ground; no traces of old pits remain. Reestablish cor by remarking stone, and dig pits 18 x 18 x 12 ins in each sec, 5½ ft dist, and raise a mound of earth 4 ft

BOOK 1721

Resurvey of the S Bdy of S. 14 T. 6 S. R. 10 E

6 chains.

base 2 ft high, N. of cor.

Land mountainous and gently rolling soil, gravelly and stony. 3rd and 4th rate.

Timber, scrub oaks and mesquite. Undergrowth, scrub oaks, mesquite, brush and cacti.

Giant cactus.

Mountainous or land covered with dense undergrowth &c. 11 chs.

N 87° 17' E bet secs 1 and 36.

Over level land.

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

Strong & dense undergrowth.

89.48 Set iron pipe old ¼ sec cor, which is a malpais stone 10 x 8 ins, 6 ins above ground. No traces of old pits. Re-establish cor by resetting a 2 inch iron pipe in the ground, from which

BOOK 1721

Traverse of the S. bdy of T 14 S., R 10 E.

6 chains

A mesquite, 5 ins diam, bears S 19° W, 126 lks dist, marked T S 1 B T.

A mesquite, 10 ins diam, bears N 11° W 313 lks dist, marked T S 36 B T.

56.00 Road to J. Altamiranas ranch, bears N. E. and S. W.

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

80.18 Cor on T Cors 14 and 15 S., Rs 10 and 11 E.

Land, level.

Soil, sandy loam 2nd rate.

Timber, mesquite; underbrush, mesquite and greasewood.

Dense underbrush 80.18 chs.

June 5, 1905.

Philip Contzen
U. S. Deputy Surveyor

Boundaries of T.14S. R.10E

Latitudes, Departures and closing errors

Line designated	True Bearing	Distance	Latitudes N	Latitudes S	Departures E	Departures W
E. Bdy. T14S. R10E	North	480.00	480.00			
N " " "	West	480.42				480.42
W " " "	South	495.00		495.00		
S " " "	N87°32'E	75.52	3.25		75.49	
	N87°35'E	40.43	1.70		40.39	
	N85°55'E	43.91	3.12		43.79	
	S87°09'E	80.19		3.98	80.08	
	N87°45'E	80.24	3.14		80.17	
	N87°09'E	80.11	3.98		80.00	
	N87°17'E	80.18	3.79		80.08	
Convergency						.46
Totals			498.98	498.98	480.00	480.88
			498.98			480.
Error in Lat.			.00	Error in	DEP.	.88

BOOK 1721

Boundaries of T. 14 S. R 11 E

Latitudes, Departures and closing errors

Line designated	True Bearing	Distance	Latitudes		Departures	
			N	S	E	W
E. Bdy T14S. R11E	North	473.35	473.35			
N " " "	West	482.42				482.42
W " " "	South	480.00		480.00		
S " " "	N89°24'E	82.30	.84		82.29	
	N89°01'E	79.95	1.38		79.93	
	N89°13'E	80.00	1.11		79.99	
	N89°23'E	80.01	.88		79.99	
	N89°55'E	79.90	.11		79.90	
	N88°20'E	80.66	2.33		80.62	
Convergency						.46
Totals			480.00	480.00	482.72	482.88
				480.00		482.72
Error in Lat				.00	ERROR IN	DEP. .16

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List of Names.

A list of the names of the individuals employed by Philip Contzen *U S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing Field Notes of the* re- *survey of the* South boundaries of Tps. 11 S. Rs. 10-11 E. *of the Gila and Salt River Base and Meridian, in the Territory of Arizona, showing the respective capacities in which they acted.*

John M. Frazer ..... *Chainman.*

Walter Harrison Hill ..... *Chainman.*

..... *Chainman.*

..... *Chainman*

..... *Axeman.*

Frank Ryder ..... *Axeman.*

Charles M. Pogue ..... *Flagman.*

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Final Oath of Assistants.

We hereby certify that we assisted ... Philip S. Contzen ... U. S. Deputy Surveyor, in surveying all those parts or portions of the ... South. boundaries of ... Tps. 14 S. Rs. 10 and 11 E. ...

... of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor General for Arizona.

... John M. Troyer ... Chainman.
... H. H. Hill ... Chainman.
... Chainman.
... Chainman.
... Frank P. Ryder ... Axeman.
... Axeman.
... Chas. A. McDougal ... Flagman.

Sworn and subscribed before me, this ... 20th ... day of ... June ... 1903

... Haines Dantee ... Notary Public.

[SEAL.]

My Commission Expires Jan. 17, 1907

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Final Oath of U. S. Deputy Surveyor.

I, Philip Coutzen

U. S. Deputy Surveyor, do solemnly swear that in pursuance of ~~a contract~~ special instructions received from H. H. Price United States Surveyor General for Arizona, bearing date of the 22nd day of May 1903, 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, re-surveyed all those parts or portions of the South boundaries of Tps. 14 S. Rs. 10 and 11 E.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing Field Notes as having been surveyed by me and under my direction; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the Manual of printed 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

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suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

Philip P. Courtney
U. S. Deputy Surveyor.

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Sworn to and subscribed before me this 27th

day of July *190*3.

District Court in & for Pima County, Arizona
D. U. Shutz Clerk

EDWARD D. ROOTES, Clerk
DISTRICT COURT, PIMA CO. ARIZ.

BOOK 1721

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 Resurvey of the South Boundaries Tp. 14 S Rs 10 & 11 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.~~ Special Instructions, dated May 22 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved.

Frank Pingalli
U. S. Surveyor-General.