

1765

RESURVEY OF THE  
4TH. STANDARD PARALLEL  
SOUTH - R 6 17, 18 & 19E

37<sup>th</sup> AUXILIARY MERIDIAN  
THROUGH SEC'S 1-6 & 7-12  
T 20 S R 17 & 18

W & E BOUNDARIES AND  
SEC. LINES OF SEC'S  
31-32-33-34-35 & 36  
T 20 S R 17 E

1765

BOOK 1765

1765  
4-671

IN CONFLICT WITH  
BAGO COMARI  
LAND GRANT

1765

IN CONNECTION WITH  
CONTRACT

FIELD NOTES  
GENERAL LAND OFFICE.

No 95

PHILIP  
CONTZEN

BOOK 1765

U. S. DEP. SUR

1765

R 8/14/02

Caprid

compared:

Of the resurvey of the  
 Fourth Standard Parallel South, through Rs 17,  
 18 and portions of R 19 E; and Auxiliary Meridian <sup>East</sup>  
 through sec 1 and 6 and 7 and 12, Sp 21 S,  
 R 17 and 18 E; portions of W. and E. 1/4  
 and are lines of sec 31, 32, 33, 34, 35 and  
 36, of Sp 20 S, R 17 E.

of the  
 Gila and Salt River Basins and Meridian  
 in the

Territory of Arizona  
 which are in conflict with the San Ignacio  
 del Babesomani Private Land Grant  
 as shown by  
 Philip Conger  
 U.S. Deputy Surveyor  
 under his contract No. 95.

Dated June 20, 1902, and special instructions dated ?

Survey commenced July 10, 1902.

Survey completed July 25, 1902.

## Preliminary Oaths of Assistants.

2

We, *John M. Trayer*, *Andrew G. Allen*  
 and *Frank C. Howard*, *W. William Cluff*  
 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 <sup>12-</sup>4<sup>th</sup> Standard Parallel  
 South through R's 17-18-19 East  
 Third Auxiliary Meridian East through  
 sec. 1-6 and 7-12 Tps 21 S. R's 18 E  
 portions of W. and E. Ads. 2 of sec.  
 lines of sec. 31-32-33-34, 35 and 36  
 of T. 20 S. R. 17 E  
 of the Gila and Salt River Base and Meridian, in the Ter-  
 ritory of Arizona.

*John M. Trayer* Chairman.

*Andrew G. Allen* Chairman.

*Frank C. Howard* Chairman.

*William Cluff* Chairman.

Sworn and subscribed before me, this 10<sup>th</sup>

day of July 1902

*Philip Centzen*  
 Notary Public.

U. S. Dep. Surveyor

[SEAL.]

no notary available

We, Jim Pogue and Paul

C. Redd

do solemnly swear that we will well and truly perform the duties of <sup>areman</sup> ~~ax~~ <sup>and</sup> ~~flagman~~

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 <sup>re</sup> 4<sup>th</sup> Standard Parallel South, through Rs 17-18-19 East Third Auxiliary Meridian East, through secs 1-6 and 7-12, Tps 21 S. R. 17-18 E portions of W & E bds. and section lines of secs. 31-32-33-34-35-36 of T. 20 S. R. 17 E

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

Paul C. Redd Flagman.

Jim Pogue Areman.

Areman.

Areman.

Subscribed and sworn to before me this 10<sup>th</sup>

day of July 1902

Philip Conzen  
Notary Public.

U. S. Dep. Surveyor

no notary available



Resurvey of the Fourth Standard Survey  
Chains

Being to the fact that the Standard  
township and are now within  
and outside of this grant are  
mostly obliterated and gone, I find  
it necessary for the purpose of  
making proper corrections and  
closings on the exterior of the  
San Ignacio del Babocomari  
private land grant, to resurvey  
and reestablish the same where  
necessary. I proceed to the standard  
cor of pieces 35 and 36, S  $1/2$  20 S,  
R 19 E, which is a stone marked and  
witnessed as described by the survey  
general.

July 10 1902. At 1<sup>h</sup> 47<sup>m</sup> p.m. I  
set off  $31^{\circ}38'$  on the lat. arc,  
 $22^{\circ}17'$  N. on the decl arc, and  
determine a true meridian with the

South through Rang 19 E 19 East

Chains

solar at the above described  
cor.

Plumier 3 run

West on S. bdy of sec 35

Over land mesa

Through dense mesquite undergrowth

18.00 Chain undergrowth, bears N. and S.

33.00 Barometer base undergrowth, bears  
N. and S.

Difference between measurements of  
4.000 chs by two sets of chainmen is  
10 chs, position of middle point.

By 1st set 40.06 chs

By 2nd set 39.95 chs. The mean of  
which is

40.00 Set a stake for true standard  $\frac{1}{4}$   
sec cor.

Difference between measurements of  
8.000 chs by two sets of chainmen is



6  
Resurvey  
Chains

of the Smith Standard Parallel

8 chs; position of middle point  
By 1st set 80.04 chs  
By 2nd set 79.96 chs the mean of  
which is

80.00 Set a stake for trap standard sec  
cor.

Land, level.  
Soil, sandy and gravelly; ends and  
3rd rate.

No timber undergrowth, mosquito  
Louse undergrowth 65.00 chs.

West on S by of sec 34  
Very level land

83.00 Although some mosquito undergrowth  
Land undergrowth, runs Northerly  
and Southerly.

Difference between measurements of  
40.00 chs by two sets of chainmen is

South through Range 19 East - Bentinck

6 chains

4 lbs, position of middle point

By 1st set 39.98 lbs

By 2nd set 40.02 lbs; the mean of which is

4.00 Set a stake for temp standard  $\frac{1}{4}$  sec. cor.

73.00 Perimeter dense undergrowth. Cross Northwesterly and Southwesterly

Difference between measurements of 8.00 lbs by two sets of chainmen is 8 lbs, position of middle point

By 1st set 79.96 lbs

By 2nd set 80.04 lbs; the mean of which is

8.00 Set a stake for temp standard sec. cor.

Land level

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

8  
 Recovery of the Smith Standard Parallel  
 Chains

No timber, undergrowth, mosquito  
 Amor undergrowth 40.00 lbs

Rest on S. side of sec 33  
 Very bad land

2.000 Through amor mosquito undergrowth.  
 Draw undergrowth, bars Northernly  
 and Southernly.

Differences between measurements of  
 40.00 lbs by two sets of chains  
 is 4 lbs, position of middle point  
 By 1<sup>st</sup> set 39.98 lbs

By 2<sup>nd</sup> set 40.02 lbs, the mean of  
 which is

+ 4.000 Set a stake for temp Standard  $\frac{1}{4}$   
 sec cor

43.00 Begin descent from mesa through  
 amor mosquito and brush undergrowth

52.00 Foot, and enter draw, corner D & E

South through Range 19 East continued  
Chemic

- and have dense upland growth  
53.00 Dry creek, 60 lbs wide course S. E.  
64.00 Same creek, course N. E.  
66.75 Crave draw and ascend.  
69.00 Popl. brush and S. thorn over

rolling land through dense forest  
and sage.

Difference <sup>between</sup> measurements of 8000 chs  
by two sets of chumma is 8 lbs,  
position of middle point

By 1<sup>st</sup> 79.96 chs

By 2<sup>nd</sup> set, 80.04 chs, the mean of  
which is

8000 Set a stake for trap standard  
are on.

Land level and rolling

Soil, sandy and gravelly, 2<sup>nd</sup> and  
3<sup>rd</sup> water

Timber, junco, ironwood and walnut

Resurvey of the Smith Standard Parallel  
Chain

along creek bottom, undergrowth,  
trouta mesquite and sage.

Course undergrowth, 50.00 chs

West on S bdy of sec 32.

Overrolling land.

Through course trouta and sage  
Difference between measurements of  
40.00 chs by two sets of chains  
is 4 chs, position of middle point

By 1<sup>st</sup> set 40.02 chs

By 2nd set 39.98 chs, the mean of  
which is

40.00 Set a stake for temp standard  $\frac{1}{4}$   
sec cor

54.60 Dry creek 30 chs wide course S. E.

64.00 Low undergrowth, bears Northwly  
and Southwly; ascend toward  
Mustang mountains

South Hough Range 19 East - continued

Chains

Difference between measurements of  
8000 chs, by two sets of chainmen is  
16 chs, position of middle point

By 1<sup>st</sup> set 79.94 chs

By 2nd set 80.08 chs; the mean of  
which is

80.00

Set a stake for temp standards see  
ear.

Land, rolling and mountainous  
Soil, gravelly and stony; 3rd and  
4<sup>th</sup> water

No timber, underground, tussock, sage  
salsicosa, and nopal cactus.

Mountainous or land covered with  
dense undergrowth, 8000 chs.

July 10, 1902.

Plot on S. edge of sec 31.

Over mountainous land

Recovery of the South Standard Parallel  
Chain

- Ascending
- 3.50 End of 10 chs. wide course N. E.,  
and begin ascent of E slope of high  
purpley ridge.
- 20.50 Top of ridge, broad N. and S. and  
begin descent of N. W. slope.
- Difference between measurements of 4000  
chs by two sets of chainmen is 6 chs  
position of middle point.
- By 1<sup>st</sup> set 39.97 chs  
By 2<sup>nd</sup> set 40.03 chs the mean of  
which is
- 40.00 Set a stake for true standard  $\frac{1}{4}$   
acre.
- 57.80 Tripnet hole, broad 20 chs N.
- 58.80 Quartz ledge, 2 chs wide, broad N.  
and S.
- 69.00 Foot of descent, deep gulch 20 chs  
wide course S. W. and ascend.

- South through Range 19 East - cylindrical  
 chains  
 72.00 Top of low ridge, bears N. Easterly  
 and S. Westerly.  
 74.00 Descend  
 76.00 Point, dry creek 30 lbs wide, course  
 S. Westerly  
 79.50 Begin ascent E slope of ridge.  
 Difference between measurements of  
 8000 chs by two sets of chains is  
 4 lbs; position of middle point,  
 By 1<sup>st</sup> set 79.98 chs.  
 By 2nd set 8002 chs; the mean of  
 which is  
 8000 Set a stake for temp standard  
 cor of Sp. 20, S. Rs. 18 and 19 &  
 Land mountainous  
 Soil gravelly and stony 3rd and  
 4<sup>th</sup> Order.  
 No timber  
 Mountainous land 8000 chs.



Traverse of the South Standard Parallel  
Chains

- West on S. side of sec 36  
Over mountainous land  
Ascending
- 4.00 Top of ridge, bears N. W. & S. W. and  
S. E. & S. W.
- 6.00 Descend
- 16.00 Foot
- 18.40 Dry creek, 40 lbs wide, course S. E.  
and ascend.
- 23.00 Top of ridge, bears N. and S.
- 24.00 Descend
- 27.00 Foot, only 10 lbs wide, course S.  
and ascend through dense forest  
and sage.
- Difference between measurements of 4000  
Elev by two sets of chainmen is 12 lbs,  
proportion of middle point.
- By 1<sup>st</sup> set, 39.94 elev
- By 2<sup>nd</sup> set 40.06 elev, the mean of

South through Range 18 East  
Chain

which is

- 40.00 Set a stake for  $\frac{1}{4}$  standard sec cor.  
41.00 Top of ridge, base N. and S.  
42.50 Descend  
45.65 Foot. dry wash 30 lbs wide, course  
Slightly and begin ascent S.E. slope  
of mountain.  
69.00 Top. corner along S. slope  
77.00 Descend

Difference between measurements  
of 80.00 chs by two sets of chains  
is 20 lbs, position of middle point

By 1<sup>st</sup> set 79.90 chs

By 2<sup>nd</sup> set 80.10 chs; the mean of  
which is

80.00 Set a stake for  $\frac{1}{4}$  standard sec cor.

Land, mountainous

Soil, gravelly and rocky; 2<sup>nd</sup>  
and 4<sup>th</sup> rate

Periphery of the Smith Standard Parallel  
Chains

Timber, underground, tesota,  
sage and scrub cactus  
Mountainous or land covered  
with dense undergrowth, 8000 lbs

Rest on S. Ely of 2000.

Over mountainous land

Descending through dense tesota  
and cacti over calcareous boulders

11.00 Port. gulch 20 lbs wide, course  
S. E. and ascend

18.00 Top of divide, bars N. and S;  
have dense undergrowth, bars  
N. and S. and descend.

31.95 Port. gulch, 10 lbs wide, course  
S. Easterly and ascend

34.00 Top, bars N. and S.

37.00 Descend

Difference between measurements

Smith, through Range 18 East - continued

Chains

of 4,000 lbs. by two sets of chain  
is 10 lbs; position of middle point.

By 1<sup>st</sup> set 39.95 lbs

By 2<sup>nd</sup> set 40.05 lbs; the mean of  
which is

40.00 Set a stake for trap standard  $\frac{7}{8}$   
in. in.

40.75 Post and ascend

44.00 Top, bars N. and S.

48.00 Descend

53.50 Post; dry wash, 15 lbs wide, course  
S. Easterly, and ascend

60.00 Top, bars Northwly and Southwly

69.00 Descend

75.00 Post, sand in dry wash, course  
Southwly

78.00 Bars wash and ascend

79.00 Top, bars N. and S. and descend

79.80 Post.

Re-survey of the Smith Standard Parallel  
Chain

Difference between measurements of  
8000 chs by two sets of chainmen is  
10 chs. position of middle point.

By 1<sup>st</sup> set 80.06 chs.

By 2<sup>nd</sup> set 79.94 chs. the mean of  
which is

8000 Set a stake for temp standard  
see en.

Land mountainous

Soil gravelly and stony; 3rd and  
4<sup>th</sup> cuts

No timber, undergrowth, brats and  
cacti.

Mountainous or land covered with  
dense undergrowth 8000 chs.

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West on S. edge of see 34

Over mountainous land

No crumpling

South, through Range 18 East - continued  
Chain

- 7.00 Pop. brass N. and S. and descend  
19.00 Post, gully 10 lbs wide, course  
Sunnily, and ascend  
25.00 Pop. brass N.W. and S.E.  
and descend  
30.00 Post, and entry, draw, course S.E.  
31.50 Dry wash 15 lbs wide, course S.E.  
36.30 Brass draw and ascend  
39.00 Pop. and descend

Difference between measurements of  
of 4000 ch by two parts of chain  
is 10 lbs; fraction of needle  
point

By 1<sup>st</sup> set, 40.05 ch

By end set 39.95 ch, the mean of  
which is

4000 Set a stake for temp standard  
 $\frac{1}{4}$  sec ev

45.60 Post and ascend

Resurvey of the Eighth Standard Parallel  
Chains

54.00 Pop, Cross N and S

62.00 Drownd

72.20 Foot and enter Babocomari valley,  
Cross Easterly and Westerly

79.50 Old adobe liquor and spring bar  
about 7 chs N.

Difference between measurements  
of 80.00 chs by two sets of chains  
is 12 chs; position of middle point

By 1<sup>st</sup> set 80.06 chs

By 2<sup>nd</sup> set 79.94 chs; the num of  
which is

8000 Set a stake for <sup>temp</sup> standard sec cor

Land mountainous and level

Soil gravelly; and water

for timber.

Mountainous land, 72.20 chs.

West on S. side of sec 33

cutty through Range 18 East - continued  
 chains Over level land

- 03 Pegraph line bears  $N 58^{\circ} W$  and  $S 58^{\circ} E$
- 15 Pin fuser bears  $N 58^{\circ} W$  and  $S 58^{\circ} E$
- 1.68 Middle of single track of the Arizona and N. Mexico railroad  
 bears  $N 58^{\circ} W$  and  $S 58^{\circ} E$
- 2.19 Pin fuser bears  $N 58^{\circ} W$  and  $S 58^{\circ} E$
- 3.20 Balconaria creek (dry), banks  
 10 ft high course E. Easterly
- 4.75 Road, bears Easterly and Westerly
- 2000 Large valley, bears E. and W.  
 corner in ground.
- 26.40 Road bears N. Westerly and S.  
 Easterly
- Difference between measurements of  
 4000 chs by two sets of chain  
 is 4 chs, position of middle point  
 by 1<sup>st</sup> set 40.02 chs



Comparison of the Smith Standard Parallel  
 & chain

Difference between measurements of  
 8.000 chs by two sets of chainmen is  
 20 lbs. position of middle point

By 1<sup>st</sup> set 80.10 chs

By 2nd set 79.90 chs. the mean of  
 which is

8.000 Set a stake for temp standard  
 sec 30

Land level and rolling

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

West on S side of sec 31.

Over smooth land ascending  
 gradually

2.20 Road, cross Northwly and Southwly

28.00 Descend

32.50 Foot of descent, cross N and S

34.20 Begin gradual ascent

South through Range 18 East bounded  
chains

Difference between measurements  
of 4000 chs by two sets of chainmen  
is 8 lbs; position of middle point.

By 1<sup>st</sup> set 40.04 chs

By 2<sup>nd</sup> set 39.96 chs; the mean  
of which is

4000 Set a stake for temp standard  
 $\frac{1}{4}$  sec cor.

Difference between measurements  
of 79.47 chs is 2 lbs, position of  
middle point

By 1<sup>st</sup> set 79.48 chs

By 2<sup>nd</sup> set 79.46 chs, the mean  
of which is

79.47 Set a stake for temp standard  
cor of Sp 20 S. R 17 and 18 E

Old standard Sp cor from this  
point bears N 4.84 chs dist.

Land gently rolling

Resurvey of the Punith Standard Parallel  
chains

Soil, sandy and gravelly; and  
Bad rate.  
No timber.

Plumer from old standard cor of  
srs 31 and 36, <sup>Rs 17 April 18 F</sup> which is a stone  
marked and returned as described  
by the Surveyor general, Pun  
18956. W. S. Bay of srs 36  
Very gently rolling land

35.79 Old closing cor of srs 1 and 6  
Srs 21 S, Rs 17 and 18.6.

Difference between measurements  
of 39.92 els by two sets of chains  
is 4 lbs, position of middle point

By 1<sup>st</sup> set 39.94 els

By 2<sup>nd</sup> set 39.90 els, the mean of  
which is

39.92 Pind old cor stone. No trace of

Smith through Range 17 East  
Chain

pits  
Difference between measurements  
of 79.94 chs. <sup>by two sets of chainmen</sup> is 4 chs. position of  
middle point

By 1<sup>st</sup> set 79.96 chs

By 2<sup>nd</sup> set 79.92 chs. the mean of  
which is

79.94 Set a stake for temp. standard  
sre cor. Find point midmer of  
old cor.

Land rolling.

Soil, gravelly; 3<sup>rd</sup> rate

No timber.

N 87° 54' W on S bdy of sre 85

Over rolling land

Difference between measurements  
of 39.80 chs by two sets of chainmen  
is 12 chs. position of middle point

Recovery of the Smith Standard Parallel  
Chain

By 1<sup>st</sup> set 39.86 chs

By 2<sup>nd</sup> set 39.74 chs, the error of  
which is

39.80 Standard  $\frac{1}{4}$  cor point, which is a  
small stone lying on the ground.  
A difference between measurements of  
79.40 chs, <sup>by two sets of chains.</sup> is 10 lbs; position of middle  
point.

By 1<sup>st</sup> set 79.35 chs

By 2<sup>nd</sup> set 79.45 chs; the error of  
which is

79.40 Standard cor point. Old cor stone  
lying on the ground.  
Road greatly rolling.  
Soil gravelly, and rather  
loose.

July 11, 1902.

79.54 chs S side of sec 34  
Over rolling land

through Range 17 East - Gunter road  
 Chain Difference between measurements of 39.26 lbs by two sets of  
 chains is 6 lbs. Position of middle point. By 1<sup>st</sup> set  
 39.79 lbs. By 2<sup>d</sup> set 39.73 lbs. the mean of which is

39.76  $\frac{1}{2}$  cor point. Said point is 100 rods off  
 Difference between measurements of 79.52 lbs by two sets of  
 chains is 10 lbs. Position of middle point. By 1<sup>st</sup> set  
 79.57 lbs. By 2<sup>d</sup> set 79.49 lbs. the mean of which is

79.52 Set stakes at old cor point

Land rolling

Soil gravelly. End rate!

Timber oak.

North of S. E. of sec 33

Land rolling

21.60 2 rows 120 lbs each corner A & B

Difference between measurements of 39.78 lbs by two sets of  
 chains is 4 lbs. Position of middle point. By 1<sup>st</sup> set  
 39.76 lbs. By 2<sup>d</sup> set 39.80 lbs. the mean of which is

39.78 Set a stake for 1<sup>st</sup> standard 7

sec cor at old cor point, set a range

and lay on the ground

Difference between measurements of 79.53 lbs by two sets of  
 chains is 8 lbs. Position of middle point. By 1<sup>st</sup> set

79.62 lbs. By 2<sup>d</sup> set 79.54 lbs. the mean of which is

79.58 Set a stake at cor pt for 1<sup>st</sup> standard

standard sec cor.

Land rolling

Soil gravelly. End rate!

Timber oak.

Boundary of the Fourth Standard Parallel  
Chains

North of S. by of sec 32

Over rolling and broken land

39.77. Difference between measurements of 39.77 ch by two sets of  
Chamman is 10 lbs position of middle point. By set  
39.72 ch. By 2' set 39.62 ch. The mean of which is  
set a stake for temporary standard by sec  
cor at old cor point. Set creased

and lying on the ground

Difference between measurements of 39.70 ch. by two sets  
of Chamman is 6 lbs position of middle point. By set  
39.73 ch. By 2' set 39.67 ch. The mean of which is

39.70. Found old mound of stone but no post.

This cor according to program, furnished  
by the survey general falls outside  
of the Baboocman land grant  
therefore I reestablish same by  
setting a granite stone 18 x 10 x 6 ins,  
12 ins in the ground, for standard  
cor of secs 31 and 32, marked S C  
on N, with 5 grooves on E and 1  
groove on N face, and raise a  
mound of stone 2 ft base, 1 1/2 ft  
high N of cor. Site impracticable  
land, rolling and broken

South through Range 14 East - continued

Glenn

Soil gravelly. 3rd rate  
Pine oak.

Western S. E. of sec 31  
Over rolling land

390 Inch 16 lbs mid. corner N W

29.75 Inch 10 lbs mid. corner N W

34.80 Inch 50 lbs mid. corner N E

Difference in measurements of 39.87 lbs by two sets of  
weights is 7 lbs, position of middle point, by 1<sup>st</sup> set  
39.87 lbs, by 2<sup>d</sup> set 39.91 lbs, the mean of which is

32.99 Old stake badly decayed.

Reestablish cor by setting a  
Limestone 18 x 8 x 4 ins, 12 ins in  
the ground of standard  $\frac{1}{4}$  sec cor  
marked S  $\frac{1}{4}$  on N face, dig  
pits 18 x 18 x 12 ins, E and W of  
stone, 3 ft dist, and raise a  
mound of earth 3  $\frac{1}{2}$  ft base, 1  $\frac{1}{2}$   
ft high, N of cor.

Difference in measurements of 79.50 lbs by two sets  
of weights is 8 lbs, position of middle point, by 1<sup>st</sup> set  
79.46 lbs, by 2<sup>d</sup> set 79.54 lbs, the mean of which is

79.50 Old cor, in place

Reestablish cor in same place



Resurvey of the Smith Standard Parallel  
Chain

By setting a Limestone  $18 \times 12 \times 6$  ins  
12 ins in the ground, for standard  
cor of Sp 20 S, Rs 16 and 17 C  
marked

S. C. 20 S on N.

17 on E, and

16 on W faces with 6 grooves on N  
E and W faces, ranging pits  $30 \times 24 \times 10$   
ins excavated on each line E and

W 4 ft, and N of stone 8 ft dist  
and raise a mound of <sup>rather</sup> 5 ft base

2 1/2 ft high, N of cor, from which  
an oak 8 ins diam, bears  $N 42 \frac{3}{4}^{\circ} W$   
2 els dist, marked S. C. T. p. 20 S: P. 16 E, S. 16 B. T.

The old bearing trees have either been  
chopped down or blown over.

Land, rolling

Soil, gravelly; 2nd and 3rd rate

Pinch oak

1765

Line through Range 17 East - bounded  
Chamis

General Description.

This line through range 19 runs mostly  
over bottom and mesa land. Through  
range 18 it runs across the southern  
slopes of the Mustang mountains, and  
through range 17 over rolling <sup>and</sup> gradually  
rising ground. The soil is mainly gravelly  
and has a good growth of rich grasses.  
Oak timber abounds along the line  
through the western portion of range 16.

Philip Couzen  
A. S. Deputy Surveyor

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Resurvey of the Third Auxiliary Meridian  
Channel

From closing cor of Sta 1 S, Rs 17 and  
18 E, as heretofore described.

From

South lot sizes 1 and 6  
Over level land

4.00 Reserve

16.50 Feet, and into draw, corner N.E.

19.85 by wash, 20 lbs wide corner N.E.

21.50 Cross draw and begin gradual  
ascent.

3000 Top of ascent Cross E and W, thence  
over level land

Difference between measurements of  
4000 chs by two sets of chaining is  
4 lbs, position of middle point

By 1<sup>st</sup> set 40.02 chs

By 2<sup>nd</sup> set 39.98 chs. the mean of  
which is

4000 Find point widener of old cor

Enough part of S 2, S between 16, 17 and 18 E.

Chain

Set a stake for temp  $\frac{1}{4}$  sec ev  
 68.00 Road, runs N. Easterly and S. Westerly  
 Difference between measurements of sec  
 els by two sets of chainmen is 8 lbs.  
 position of middle point

By 1<sup>st</sup> set 79.96 lbs.

By 2<sup>nd</sup> set 80.04 lbs; the mean of  
 which is

80.00 Said mound of stone, but no trace  
 of old ev

Set a stake for temp sec ev

Land, cont.

Soil, sandy and gravelly; sand and  
 3rd rate

No timber.

South bet sec 7 and 12

Over gently rolling land.

18.00 Devised.

Resurvey of the Blind Auxiliary Meridian  
Chain

19.50 Foot, and enter draw corner N. E.

25.50 Leave draw and ascend

31.00 Pop, cross N. E. and S. W.

37.00 Descend

Difference between measurements of  
4000 chs by two sets of chains is  
6 lbs position of middle point.

By 1<sup>st</sup> set 39.97 chs

By 2<sup>nd</sup> set 4003 chs, the mean of  
which is

4000 Find no trace of old w.

Set a stake for Temp  $\frac{1}{4}$  sec cor.

45.00 Foot, cross E. and W

46.10 Ascend

51.00 Pop, cross E and W

55.00 Descend

63.00 Foot, cross E and W

64.00 Ascend

64.75 Pop, cross E and W

rough part of S 21 S between Nos 17 and 18 E - Benevolent  
 Chamme

69.00 Dressed  
 74.00 Foot and put in again, corner N.E.  
 76.60 Dry wash, as the work, corner Easterly  
 Difference between measurements of 8.00  
 etc by two sets of chainmen is 12  
 lbs, position of middle point  
 By 1st set 79.94 etc  
 By 2nd set 80.06 lbs, the mean of  
 which is

8.00 Find old cor stone lying on the ground  
 Reestablish cor by setting  
 A limestone 18 x 10 x 8 ins, 12 ins in the  
 ground, for cor of sec 7, 12, 13, and  
 18, marked with 2 notches on N and  
 4 notches on S. edge, and raise  
 a mound of stone 2 ft base, 12 ft  
 high, W of cor. Fits impracticable  
 and rolling  
 Soil sandy and gravelly, and and

Presurvey of certain Subdivisions of  
Channah

3rd rate

No. timber.

July 17 1900.

Philip Couztes  
W. S. Deputy Surveyor.

Spec 20 S, R 17 E

Chain

From old standard cor of secs 31  
and 36, Spec 20 S, R 17 and 18 E,  
as heretofore described, § and  
North bet secs 31 and 36  
Very gently rolling land

7.77 Bound, cross N. Easterly and S  
Westerly

13.00 Enter draw corner N.E.

15.00 Cross draw and ascend

15.50 Top, cross N.E. and S.W.

39.94 Old  $\frac{1}{4}$  sec cor, which is a small  
stone, falls within run.

5002 Point marker of old sec cor. §  
reestablish cor at same point as  
follows:

Set a limestone  $15 \times 8 \times 8$  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 edge; dig



Recovery of certain Submissions of  
Chairs

put 18x18x12 ins, in each ore, 5 1/2 ft  
dist and raise a mound of earth  
4 ft base, 2 ft high, W of cor.  
Roll and rolling  
Soil gravelly, and and 3rd rate  
No timber.

From the cor of ores 25, 30, 31  
and 36

D - m

N 89° 53' W 1/2 ft ores 25 and 36  
Cor rolling land

39.97 Deposit a marked stem 12 ins in  
the ground for 1/2 ore cor, dig pits  
18x18x12 ins, E and W of cor, 4  
ft dist and raise a mound of  
earth 3 1/2 ft base, 1 1/2 ft high, over  
deposit.

On E put down a wooden stake

Apr 20 S. P. 17 Co continued

Chain

2 ft long, 2 ins sq, 12 ins in the ground, marked  $\frac{1}{4}$  S 25 NW N and S 36 m S faces

No trace of old  $\frac{1}{4}$  sec cor can be found

79.96 Set a Sunstone 18x18x6 ins, 12 ins in the ground, for cor of secs 25, 26, 35 and 36, marked with 1 notch on S and 1 notch on E edges. dig pits 18x18x12 ins in each. Set 5 ft dist and raise a mound of earth 4 ft base, 2 ft high, W of cor.

Find faint evidence of old cor land, level and rolling. Soil, gravelly 2nd and 3rd rate. No timber.

S. Set secs 35 and 36  
Over rolling land.

Boundary of certain subdivisions of  
Chains

4.00 Placed  $\frac{1}{4}$  sec cor is a granite  
stone.

62.90 Road, runs N. W. W. and S  
E. W. W.

79.98 Set standard cor point of secs  
35 and 36

Land, rolling

Soil, gravelly; 3rd rate  
No timber.

July 12, 1902.

N 89° 53' W, bet secs 26 and 35

Over rolling land

8.60 Center drain, course Northward

29.50 Cross drain.

39.75 Set a granite stone 18 x 10 x 6 ins, 12 ins  
in the ground for  $\frac{1}{4}$  sec cor, marked  
426 on N and 35 on S face, dig  
pits 18 x 18 x 12 ins, E and W of

Pl. 20 S. R. 17 E. - Continued

Chain

stem 3 ft dist and raise a mound  
of earth 3½ ft base, 1½ ft high  
N of cor.

Paint remainder of old ¼ sec cor.

79.36 Set a granite stone 18 x 6 x 5 ins, 12 ins  
in the ground, for cor of secs 26,  
27, 34 and 35, marked with 1 notch  
on S and 2 notches on E edge.

dig pits 18 x 18 x 12 ins in each sec,  
5½ ft dist, and raise a mound of  
earth 4 ft base, 2 ft high, N of cor.

Land rolling

Soil gravelly; and mud 3 rats  
No timber.

S. bet secs 34 and 35.

Over rolling land

2000 Road runs N. W. strictly and S.  
E. strictly

Summary of certain Subdivisions of  
Chains

4.004  $\frac{1}{4}$  sec cor which is a stone marked  
and intressed as described by the  
survey general

7997 The standard cor point cor pt  
of sec 34 and 35.

Land rolling

Soil gravelly; 2nd rate

No timber

N 89° 53' W, bet sec 27 and 34

Corr rolling land

3.47 Road, 1 ch wide, course Northerly

27.68 Road, runs N. Westerly and S.  
Easterly

39.74 Deposited a marked stone 12 ins  
in the ground for  $\frac{1}{4}$  sec cor, dig  
pits 18x18x12 ins, E and W  
of cor, 4 ft dist, and raise a

Sta 20 S, R 17 E - Continued  
Chain

mound of earth  $3\frac{1}{2}$  ft base,  $1\frac{1}{2}$  ft high  
over deposit

In E pit drove a redwood stake 2 ft  
long, 2 ins sq, 12 ins in the ground  
marked  $\frac{1}{4}$  S 27 on N and S 34 on S face.

Point marked of old  $\frac{1}{4}$  sec cor

47.00 Draw, 2 els wide, corner Northwly

49.40 Set a quartz stone  $18 \times 18 \times 3$  ins,  $\frac{1}{2}$  ins  
in the ground, for the cor of sec

27, 28, 33 and 34, marked with 1 notch  
on S and 3 notches on E edges. dig  
pits  $18 \times 18 \times 12$  ins in each sec,  $5\frac{1}{2}$  ft

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

Find dredged spires of old post lying  
on ground.

Land rolling

Soil gravelly; end and 3rd rate

No timber

Resurvey of Certain Subdivisions of  
Chairs

- S 66 srs 33 and 34  
Over rolling land  
39.26 Paint evidence of old cor and remains  
of post.  
8002 Standard cor point of srs 33  
and 34  
Land, rolling  
Soil, gravelly, and raw  
No timber.

July 13, 1902.

- N 89°53' W, Cor srs 28 and 33  
Over rolling land  
2.00 Enter draw corner N. Easterly  
29.20 Corner draw  
39.85 Set a sandstone 18 x 8 x 6 ins, 12 ins  
in the ground, for  $\frac{1}{4}$  srs cor.  
marked  $\frac{1}{4}$  28 on N and 33 on S  
facers, dig pits 18 x 18 x 12 ins, 6 and  
N of stone, 3 ft dist and raise a

M 20 S, R 17 E - continued

Chains

1 mound of earth  $3\frac{1}{2}$  ft <sup>base</sup>  $1\frac{1}{2}$  ft high, N  
of cor.

Paint remainder of old  $\frac{1}{4}$  sec cor.

44.00 Enter draw, corner Northwly

60.40 Leave draw and ascend

62.43 Top of ridge, betw N and S, and  
descend

70.00 Foot and enter draw, corner Northwly

73.60 Leave draw and ascend

79.56 Set a granite stone  $18 \times 8 \times 8$  ins, 12  
ins in the ground, for cor of sec  
28, 29, 32 and 33 marked with 4  
notches on E edge and 1 notch on  
S edge, and raise a mound of  
stone 2 ft base,  $1\frac{1}{2}$  ft high, N of cor.  
Site impracticable.

Old dreged foot lying on the ground.

Land, rolling

Soil, gravelly, end and 3rd rate



Resurvey of certain Subdivisions of  
Chains

Timber

S. bet sres 32 and 33

Over rolling land

3000 Center of valley 10 chs wide, bears  
N. Easterly

3974 Find old dreagra post lying on the  
ground

79.88 Standard corner of sres 32  
and 33.

Land rolling and level.

Soil, sandy and gravelly; end  
and 3rd rate

Timber, scattering oak

N 89° 53' W, bet sres 29 and 32

Over rolling land

Ascending

4.00 Top of ridge, bears N and S and

Sta 20 S, R 17 E - Continued

Chains

observed

6.50 Draw, 1 ch wide, course Northwly and  
easwrd

16.00 Top of ridge, cross N.E. and S.W.  
and easwrd

19.00 Post, draw, 1 ch wide, course Northwly  
and easwrd

21.00 Top of ridge, cross N and S and  
easwrd

28.20 Post, draw 30 ch wide, course  
Northwly and easwrd

34.00 Top of ridge, cross N and S, and  
easwrd

39.00 Set a limestone  $18 \times 8 \times 7$  ins, 12 ins in  
the ground, for  $\frac{1}{4}$  sec ever marked  $\frac{1}{4}$   
29 on N and 32 on S. faces. dig pits  
 $18 \times 18 \times 12$  ins, E and W 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 cor.

Resurvey of certain Subdivisions of  
Chanis

- Old cor is a creayrd stake lying on  
the ground
- 42.40 Post, and enter draw, course N
- 51.50 Leave draw, and ascend
- 67.50 Top of ridge, bears N and S and  
descend
- 71.00 Post, draw 20 lbs wide, course N  
and ascend
- 74.30 Top of ridge, bears N E and S W
- 77.00 Run, 40 lbs wide bears N and S
- 79.90 Set a sandstone  $18 \times 6 \times 6$  ins, 12 ins  
in the ground, for cor of sres 29,  
30, 31 and 32, marked with 5  
notches on E, and 1 notch on S  
ridge. dig pits  $18 \times 18 \times 12$  ins, in  
each sre,  $5\frac{1}{2}$  ft dist, and raise  
a mound of earth 4 ft base, 2 ft  
high, W of cor.  
The old sre cor is a creayrd post

Apr 20 S. R. 17 E - Continued

Chain

lying on the ground and the old  
 leaning trees have fallen over  
 Land rolling

Soil, gravelly; 3rd rate  
 Timber, scattering oak.

S bet sres 31 and 32.

Over rolling land

39.94 Old  $\frac{1}{4}$  cor post decayed and lying  
 in the ground.

79.90 Standard cor pit of sres 31 and  
 32.

Land, level

Soil, gravelly; 3rd rate  
 Timber, oak

N 89° 53' W bet sres 30 and 31

Over rolling land

35.00 Draw, 3 Eas wide, course Northwly

Resurvey of certain Subdivisions of  
Chains  
and ascend

39.79 Top of ridge Cross Northerly  
and descend

Set a limestone  $18 \times 10 \times 6$ , 12 ins in  
the ground, for  $\frac{1}{4}$  sec cor marked  
 $\frac{1}{4}$  30 on N and 31 on S faces; dig  
pits  $18 \times 18 \times 12$  ins, 6 and W of  
stone, 3 ft dist, and raise a  
mound of earth  $3\frac{1}{2}$  ft base,  $1\frac{1}{2}$  ft  
high, N of cor

Find old dreyed post.

46.80 Post

65.00 Draw a line mark corner Northerly

74.55 The cor of secs 25, 30, 31 and 36,  
which is a stone marked and not  
recovered as described by the surveyor  
general.

Land rolling

Soil, gravelly; end and old water.

Sp 20 S, R 17 E - Caveland  
Chenies

No timber.

South lot secs 31 and 36.

Over rolling land

Plough oak timber

3995 Set a limestone 18 x 12 x 6 ins, 12 ins  
in the ground for  $\frac{1}{4}$  sec ev, marked  
 $\frac{1}{4}$  36 on W and 31 on E faces, and  
raise a mound of stone 2 ft base,  
 $1\frac{1}{2}$  ft high, W of ev. Pits impractic-  
able.

Find old mound but no traces of  
post.

7998 Standard ev of Sp 20 S, R 16 and  
17 E, as heretofore described

Land, rolling

Soil, gravelly; 3rd rate

Timber, oak, undergrowth oak

July 15, 1902.

Philip Conyers  
W. S. Deputy Surgeon

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## List of Names.

A list of the names of the individuals employed

*Philip Conzen*.....

S. Deputy Surveyor, to assist in running, measuring  
and marking the lines and corners described in the forego-

ing Field Notes of the survey of the *4<sup>th</sup>* Standard  
parallel south, through Ranges  
*18* and *19* E. Third Auxiliary  
Meridian East, through secs *1-6*  
and *7-12*, Tps. *21* S. R. *17-18* E  
portions of N. and E. boundaries  
of sec. lines of secs *31-32-33-34-35*  
and *36* of Tps. *20* S. R. *17* E

the Gila and Salt River Base and Meridian, in the Ter-  
ritory of Arizona, showing the respective capacities in which  
they acted.

*John M. Trayer*..... Chainman.

*Andrew G. Aiken*..... Chainman.

*F. C. Howard*..... Chainman.

*William Cluff*..... Chainman.

..... Axeman.

*Jim Pogue*..... Axeman.

*Paul C. Redd*..... Flagman.



# Final Oath of Assistants.

We hereby certify that we assisted Philip  
Contzen U. S. Deputy Surveyor, in  
 surveying all those parts or portions of the 4<sup>th</sup> Standard  
Parallel South through R's 17-18-19 East  
Third of Auxiliary Meridian East through  
secs. 1-6 and 7-12, Tps. 4. S. R's 17-18 E  
portions of W. and E. Sds. and sec. lines  
of secs 31, 32, 33, 34, 35 and 36  
of T. 20 S. R. 17 E.

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

- John M. Sawyer Chainman.
- Andrew H. Kirk Chainman.
- Frank C. Howard Chainman.
- William Cluff Chainman.
- ..... Azeman.
- Jim Pogue Azeman.
- Paul C. Reed Flagman.

Sworn and subscribed before me, this 16<sup>th</sup>  
 day of July 1902

Philip Contzen  
 Notary Public.  
 U. S. Dep. Surveyor  
 no notary available

[SEAL.]

# Final Oath of U. S. Deputy Surveyor.

I, *Philip Cantzen*.....

U. S. Deputy Surveyor, do solemnly swear that in pursu-  
ance of <sup>to special instructions</sup> a contract received from... *Hugh H. Price*

United States Surveyor General for Arizona, bearing date  
of the ... *20<sup>th</sup>* ... day of ... *June* ... 190*7*,

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 Man-  
ual of Surveying Instructions, and the laws of the United  
States, surveyed all those parts or portions of the ... *4<sup>th</sup>* ...  
*standard Parallel South through*  
*R. 17-18-19 East... Third Auxiliary*  
*Meridian East through secs. 1-6*  
*and 7-12... Tps. 21 S. R. 17-18 E*  
*portions of W. and E. lds. and*  
*sec. lines of secs. 31-32-33-34*  
*35 and 36 of T. 20 S. R. 17 E*

of the Gila and Salt River Base and Meridian, in the Ter-  
ritory of Arizona, as are represented in the foregoing Field  
Notes as having been surveyed by me and under my direc-  
tion; 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

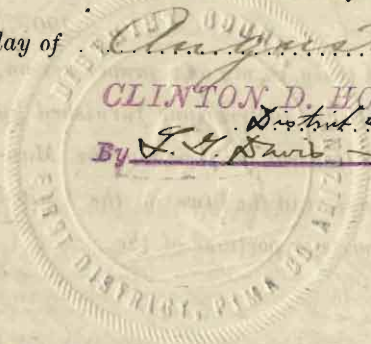
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suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

*Philip Conz*  
U. S. Deputy Surveyor.

Sworn to and subscribed before me this... *4<sup>th</sup>* .....

day of *August* .. 190*2*



*CLINTON D. HOOPER, Clerk,*  
*District Court, Pima County,*  
By *J. H. Davis* Deputy *Surveyor*

## A P P R O V A L .

OFFICE OF THE U.S. SURVEYOR GENERAL.

Phoenix, Arizona.

Sept. 10 - 1902 <sup>re.</sup>

The foregoing field notes of the survey of 4<sup>th</sup> Stand Part E, the Rs. 17-18 & 19 E, 3<sup>rd</sup> 1/2<sup>nd</sup> Mer. E. thro portion T. 17 S, R. 17 & 18 E - N. E. 1/4 Sec. lines of Secs. 31-32-33-34-35-36 of T. 20 S, R. 17 E, Arizona executed by Philip Cortzen, D.S. under his Contract No. 95 <sup>spec. Ins.</sup> dated July 7<sup>th</sup>, 1902, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Hugh H. Price*

U.S. Sur. Gen. for Arizona.