

1

*S. 18 S. R. 13.*

6	5	4	3
7	8	9	10
18	17	16	15
19	20	21	22
30	29	28	27
31	32	33	34
6	5	4	3
7	8	9	10
68	69	70	71
72	73	74	75
77	78	79	80
84	85	86	87
91	92	93	94

BC  
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Index for  
 this book  
 Book 1756

*Handwritten numbers in red:*  
 20, 23, 25, 28, 31, 36, 39, 45, 54, 58, 60, 62, 64, 70, 72, 75, 77, 79, 80, 84, 87, 90, 91, 94, 96

*S. 19 S. R.*

May 16-1901

1755

BOOK 1755

1A

Field Notes  
 — of the —  
 resurvey of certain sections  
 of township lines, of Tps.  
 18 & 19 S. R. 13 E and Tps.  
 18 S. R. 14 E of the  
 Gila and Salt River Base  
 of Meridian, Arizona,  
 surrounding and closing  
 upon the boundaries  
 San <sup>of the</sup> Ignacio de la Canva  
 Private Land Grant  
 Resurveyed under special  
 Instructions dated Oct 23 1901

— by —

Philip Cortzen

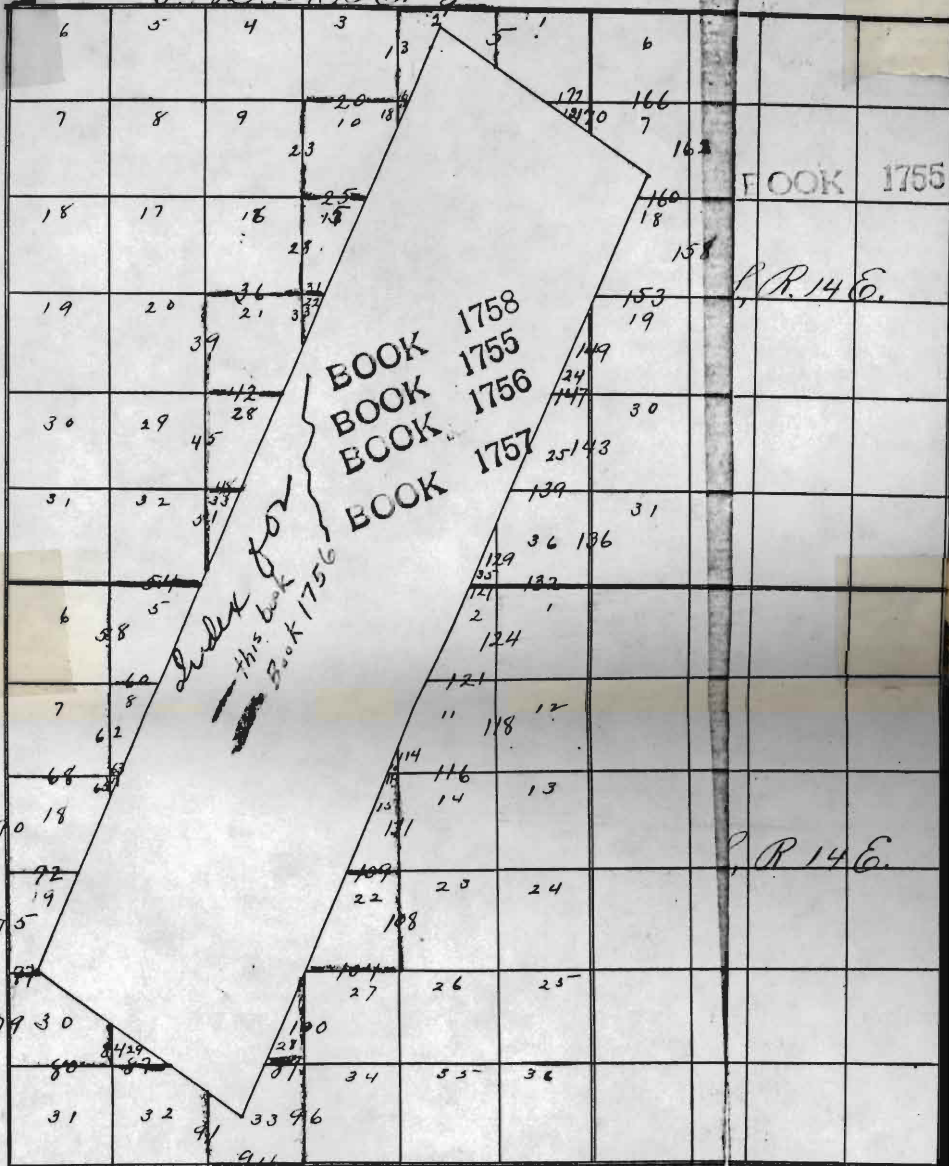
U. S. Deputy Surveyor

Survey commenced January 26, 1901

Survey completed January 27, 1901

1

T. 18 S. R. 13 E.



S. 19 S. R. 13 E.

Preliminary Oaths of Assistants.

We, *John M. Trayer*.....  
and *W. W. Miller*.....

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 <sup>the</sup> survey of the *section and townships lines... surrounding... and abutting on... the "San Ignacio de la Canoa" grant, situated partly in Tps. 18 and 19 S. R. 13 E of T. 18 S. R. 14 E* of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

*John M. Trayer* Chainman.  
*W. W. Miller* Chainman.  
..... Chainman.  
..... Chainman.

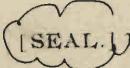
Sworn and subscribed before me, this *6<sup>th</sup>*.....

day of *January*..... 190 *2*

*Philip Conzen*  
Notary Public.

*U. S. Deputy Surveyor*

*No notary available*



We, *Walter J. Percival* 2<sup>d</sup> 3

*C. R. Barthelmy*

do solemnly swear that we will well and truly perform the duties of *flagman and axeman*

in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the <sup>re-</sup>survey of the *section an township lines*, surrounding and closing on the *"San Ignaciv de la Canva"* grant, situated partly in *Tps 18 and 19 S. R. 13 E. 3/4 T. 18 S. R. 14 E* of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

*Walter J. Percival* Flagman.

*C. R. Barthelmy* Axeman.

..... Axeman.

..... Axeman.

Subscribed and sworn to before me this *6<sup>th</sup>*

day of *January* 190 *2*

*Philip Contzen*

Notary Public.

*U. S. Deputy Surveyor*  
*no notary available*



Survey commenced  
January 6<sup>th</sup>, 1902,  
and executed with a  
W. and S. E. Gurley  
light mountain transit  
No 4607, with a Burts  
Solar Attachment.

The instrument was  
properly tested at  
the meridian at  
Tucson and found  
to be correct and was  
approved by the  
Surveyor General.

In order to test  
my solar attachment,  
I proceed to the  
N. W. cor. of the San  
Ignacio de la Canoa

grant, and at 8<sup>h</sup> 58<sup>m</sup>  
 a.m., l.m.t., I set  
 off  $31^{\circ}54'$  on the lat.  
 arc,  $22^{\circ}23'$  S, on the  
 decl. arc, and determine  
 a meridian, which  
 I find to be correct  
 by testing the same  
 on the North and  
 West boundaries of  
 said grant. Var.  $13^{\circ}43'6''$ .

I begin at cor. of  
 secs. 1, 2, 35 and 36  
 on the North boundary  
 of Township 18 S. R. 13 E,  
 which I reestablish  
 by the position of  
 two bearing trees, as

Resurvey of section <sup>3</sup>/<sub>4</sub> township line  
 chains follows: - I set  
 a granite stone, 18 x 8 x 5  
 ins, 12 ins, in the ground,  
 for cor of sees 1, 2-35 and <sup>3</sup>/<sub>6</sub>,  
 marked with 1 notch  
 on E. and 5 notches  
 on W. edges, from which  
 A mesquite 7 ins, diam,  
 (old bearing tree) bears  $N 42^{\circ} E$ ,  
 238 lks., dist., marked  
 T. 17 S. R. 13 E. S. 36 B. T.  
 A mesquite 8 ins. diam.,  
 (old bearing tree) bears  
 $S 69^{\circ} W$  72 lks. dist., marking  
 T. 18 S. R. 13 E. S. 2 B. T.  
 A mesquite 8 ins, diam,  
 bears  $N 38^{\circ} W$  191 lks. dist.,  
 marked T. 17 S. R. 13 E. S. 35  
 B. T., thence I run  
 South, bet sees. 1 and 2



surrounding <sup>and closing</sup> on the San Ignacio de la  
 Canva grant

Chains Over level land

1.00 Stage road from  
 Nogales to Tucson, bears  
 N. N. E and S. S. W

30.00 Seward Brown's ranch  
 house & chs. E.

40.68 point for original  
 corner, position determined  
 by stump of bearing tree,  
 I reestablish the same  
 by setting a granite  
 stone 18 x 8 x 4 ins., 12  
 ins. in the ground for  
 1/4 sec. cor., marked  
 1/4 & on W., and 1 on  
 E. faces; dig pits  
 18 x 18 x 12 ins. N and S.  
 of stone 3 ft. dist., and  
 raise a mound of earth

Resurvey of sections <sup>2</sup>/<sub>3</sub> of township lines surrounding

chains 3½ ft. base, 1½ ft  
high, W. of cor.

50.27 Intersect North boundary  
of the "San Ignacio  
de la Canoa" grant  
at a point from  
which ½ Mile Cor.

bears S 90° 20' E,  
9.77 chs. dist.

Set a sandstone

18 x 8 x 6 ins., 12 ins.

in the ground for  
closing cor. of fractl  
secs 1 and 2, marked

C.C. on N. and S.I.C  
on S. faces, from

which a mesquite  
5 ins. diam., bears N 23° 42'

152 lks. dist., marked

of closing on the San Ignacio de la Cueva grant

chains T. 18 S. R. 13 E. S. 1 B. T.

No other tree within limits,  
dig pits crosswise  
on each line 30 x 24 x 12 ins.

N 59° 20' W and S 59° 20' E

3 ft., and 24 x 18 x 12 ins

N. of stone, 7 ft. dist.,  
and raise a mound  
of earth 4 ft. base  
and 2 ft. high, N. of cor.

Land level

Soil, sandy and gravelly, low  
2<sup>nd</sup> rate.

Timber, a few scattering  
mesquite trees

From cor. of sees. 1, 2, 35<sup>3</sup>/<sub>4</sub> / 36  
on North boundary of  
T. 18 S. R. 13 E, as heretofore

Resurvey of section  $\frac{3}{4}$  of township lines surrounding

chains described,  $\frac{1}{4}$  cor. point  
of original  $\frac{1}{4}$  sec. cor.  
of sees 2 and 35 bears  
 $N 89^{\circ} 56' W$ , therefore  
I run on the above course  
Over level land

39.90 Faint mound of old  
 $\frac{1}{4}$  sec. cor.; I reestablish  
old cor., by setting  
a sandstone  $18 \times 8 \times 3$  ins.  
12 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  35 on N., and 2 on  
S. faces, from which  
A mesquite 12 ins. diam.,  
bears  $N 28 \frac{1}{2}^{\circ} W$ , 199 lks. dist.,  
marked  $\frac{1}{4}$  S. 35 B.T.  
A mesquite 3 ins. diam.,  
bears  $S 15^{\circ} W$ , 10 lks. dist.,

and closing on the "San Ignacio de la Cruz" grant

Chains marked  $\frac{1}{4}$  S. & B.T.

From this  $\frac{1}{4}$  cor., the cor.  
of secs. 2, 3, 34 and 35 bears  
N 87° 50' W, therefore

I run on the above course

39.90

Old corner post, lying  
on the ground, I reestablish  
cor. by setting a  
Granite stone 18x8x5  
ins., 12 ins. in the  
ground for cor. of  
sec's 2, 3, 34 and 35,  
marked with 2 notches  
on E. and 4 notches  
on W. edges, from which  
A mesquite, 6 ins. diam.,  
bears N 63½° E, 413 lks.  
dist., marked T. 17 S. R. 13 E  
S. 35 B.T.

Resurvey of section and township lines surrounding

chains A palo verde 6 ins. diam,  
bears  $S 36^{\circ} E$ , 106 lks.  
dist., marked T. 18 S. R. 13 E  
S. 2 B. T.

A mesquite 10 ins. diam,  
bears  $S 10^{\circ} W$ , 211 lks.,  
dist., marked T. 18 S. R. 13 E  
S. 3 B. T.

A palo verde 8 ins. diam,  
bears  $N 48^{\circ} W$ , 175 lks.  
dist., marked T. 17 S. R. 13 E  
S. 34 B. T.

Land level and gently rolling  
Soil, gravelly, 2<sup>nd</sup> and 3<sup>rd</sup> rate  
Timber, mesquite <sup>2/3</sup> of palo verde,  
Undergrowth, mesquite  
and tesota

From cor. of sec's. 2, 3, 34 <sup>2/3</sup> of 35

Following on the "San Ignacio de la Cueva" grant

- Chains I run South bet  
see's 2 and 3
- Over level and gently  
rolling land, through  
dense undergrowth
- 2.20 Wash, 15 lks. wide,  
course Easterly
- 8.90 Trail to Twist Buttes,  
bears N. E. and S. W
- 11.00 Wash, 15 lks. wide, course  
Easterly
- 19.60 Wash, 40 lks. wide, course  
N. Easterly
- 42.37  $\frac{1}{4}$  cor. point; I reestablished  
the cor. by setting a  
granite  $18 \times 8 \times 5$  ins.,  
12 ins. in the ground  
for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  3 on W. and 2 on E.

Re-survey of section <sup>3</sup>/<sub>4</sub> township lines, surrounding

Chains faces, from which  
 A mesquite 8 ins. diam.,  
 bears  $N 24^{\circ} E$  45 lks.  
 dist. marked  $\frac{1}{4}$  s. 2 B. T.  
 A mesquite 12 ins. diam.,  
 bears  $N 52^{\circ} \frac{3}{4} W$ , 133 lks.  
 dist. marked  $\frac{1}{4}$  s. 3. B. T.

48.00 Wash, 20 lks. wide, course N. E.

60.70 Wash, 20 lks wide, course N. E.

70.15 Wash, 25 lks. wide, course N. E.

79.40 Wash, 60 lks. wide, course N. E.

81.80 Faint mound of old  
 sec. cor., I reestablish  
 same, by setting a  
 granite stone  $22 \times 8 \times 3$   
 ins., 16 ins in the  
 ground for cor.  
 of secs 2, 3, 10 and 11,  
 marked with 2 notches



Belonging on the "San Ignacio de la Cauca" grant

Chains on E, and 5 notches  
on S. edges, from  
which, a mesquite  
4 ins. diam, bears  
 $N 59^{\circ} 4' E$ , 75 lks. dist.,  
marked T. 18 S. R. 13 E  
S. 2 B. T.

A mesquite, 4 ins. diam,  
bears  $S 3^{\circ} 2' E$ , 95 lks.  
dist., marked T. 18 S.  
R. 13 E. S. 11 B. T.

A mesquite 12 ins. diam,  
bears  $S 87^{\circ} 2' W$ , 260 lks.  
dist., marked T. 18 S.  
R. 13 E. S. 10 B. T.

A palo verde, 5 ins. diam,  
bears  $N 62^{\circ} 2' W$ , 250 lks.  
dist., marked T. 18 S. R. 13 E  
S. 3 B. T.

Resurvey of section and township lines, surrounding

chains Land level and gently rolling.

Soil, gravelly, 2<sup>nd</sup> rate  
 Timber, mesquite & palo verde  
 Undergrowth, mesquite & catclaw.

Land covered with dense undergrowth  
 81.80 chs.

From cor. of sec's.  
 2, 3, 10 and 11 -  $\frac{1}{4}$  cor.  
 point bears East,  
 therefore, I run  
 on the above course  
 bet. sec's. 2, and 11

8.72

Intersect West  
 boundary of the  
 "San Ignacio de la  
 Canva" grant, at

of being on the San Ignacio de la Caura grant

chains a point, from which  
 2 Mile cor., bears  
 $N 22^{\circ} 56' E$ , 6.55 chs.  
 dist.

Set a granite stone  
 $18 \times 8 \times 5$  ins., 12 ins  
 in the ground for  
 closing cor. of  
 fractl. secs. 2 and 11,  
 marked C.C. on  
 W, and S. S. C.,  
 on E. faces, from  
 which a palo verde  
 18 ins. diam., bears  
 $N 67^{\circ} W$ , 23 lks. dist.  
 marked T. 18 S. R. 13 E. S. 2 B. 5.  
 A mesquite, 4 ins. diam.,  
 bears  $S 89 \frac{1}{2}^{\circ} W$ , 89 lks.,  
 dist. marked T. 18 S. R. 13 E. S. 11 B. 5.

Resurvey of section <sup>3</sup>/<sub>4</sub> township lines, surrounding

chains Land gently rolling  
Soil, gravelly; 2<sup>nd</sup> grade  
Timber, some mesquite  
Under growth, mesquite <sup>3</sup>/<sub>4</sub> of a block wide

From cor. 2, 3, 10 and 11  
I run S. bet. secs.  
10 and 11

Over level land,  
through dense undergrowth

2.50

Wash, 20 fms. wide, course N.E.

20.68

Intersect W. boundary  
of the "San Ignacio  
de la Canoa" grant  
at a point from  
which 2<sup>1</sup>/<sub>2</sub> Mile Cor.,  
bears ~~S 57° 20' E~~ <sup>22° 56' W</sup>, 11 chs.  
dist.

22° 56' W

Set a granite stone

closing on the "San Ignacio de la Cruz" grant

chains 18 x 7 x 5 ins., 12 ins. in  
 the ground for  
 closing cor. of tract.  
 sees. 10 and 11, marked  
 C.C. on N. and  
 S.S.C. on S. faces,  
 from which  
 A mesquite stump,  
 12 ins. diam., bears  
 N20½°E, 51 lks. dist.,  
 marked T. 18 S. R. 13 E. S. 11 B. 5  
 A mesquite, 3 ins. diam.,  
 bears N46°W, 74 lks. dist.,  
 marked T. 18 S. R. 13 E. S. 10 B. 5  
 Land level and gently rolling  
 Soil, gravelly; 2<sup>nd</sup> rate  
 Timber, mesquite and palo verde  
 Under growth, mesquite and  
 cat claw.  
 Land covered with dense

Recovery of section of township lines surrounding

chains undergrowth 20.68 chs.  
January 6<sup>th</sup> 1902

From Cor. to sec's 2, 3, 10  $\frac{3}{4}$  / 11  
 $\frac{1}{4}$  cor. bet sec's 3 and 10  
and cor. of sec's 3, 4, 9  $\frac{3}{4}$  / 10  
bears N 89° 45' W, therefore  
I run on the above  
course bet. sec's. 3  $\frac{3}{4}$  / 10

Over gently rolling land  
through dense undergrowth.

12.50 Wash, 35 lks. wide, course N. E

30.70 Wash, 30 lks. wide, course N. E

39.70 Faint traces of old  $\frac{1}{4}$   
cor. I reestablish

same, by setting  
a granite stone 18x8x6  
ins., 12 ins. in the ground  
for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  3 on N., and 10 on

of closing on the "San Ignacio de la Cueva" grant

chains S. faces, from which  
 A mesquite 18 ins. diam.,  
 bears  $N 65 \frac{1}{2}^{\circ} W$ , 45 lks.  
 dist., marked  $\frac{1}{4}$  S. 3 B.T  
 A palo verde 4 ins. diam.,  
 bears  $S 15^{\circ} W$ , 24 lks. dist.,  
 marked  $\frac{1}{4}$  S 10 B.T

79.80 Old cor. stake lying  
 on the ground with  
 marks obliterated,  
 I reestablish cor. as  
 follows, — set  
 a sand stone  $18 \times 12 \times 10$   
 ins., 12 ins. in the  
 ground for cor. of  
 sec. 3, 4, 9 and 10.,  
 marked with 5 notches  
 on S and 3 notches  
 on E. edges, from

Resurvey of sections of township lines surrounding

Chains which, A palo verde  
3 ins. diam, bears  
N39½°E, 81 lks. dist,  
marked T. 18 S. R. 13 E,  
S. 3 B. T.

A palo verde, 18 ins.,  
diam, bears S49°E,  
18 lks. dist, marked  
T. 18 S. R. 13 E. S. 10 B. T.

A palo verde, 4 ins. diam,  
bears S76½°W, 87 lks.  
dist, marked T. 18 S. R. 13 E  
S. 9 B. T.

A palo verde 8 ins. diam,  
bears N30½°W, 77 lks.,  
dist, marked T. 18 S.  
R. 13 E. S. 4 B. T.

Land gently rolling  
Soil gravelly loam, 2<sup>nd</sup> rate



g<sup>3</sup> of closing on the "San Ignacio de la Cueva" grant

Chains Timber, some mesquite  
and palo verde.  
Undergrowth, mesquite  
catclaw and palo verde  
Land covered with  
dense undergrowth 79.80 chs  
January 6, 1902

From cor. of secs 3, 4,  
9 and 10 —  $\frac{1}{4}$  cor. bet  
secs. 9 and 10 and cor  
of secs. 9, 10, 15 and 16  
bears S<sup>00</sup>45' E; therefore  
I run on the above course  
bet. secs 9 and 10

Over gently rolling land  
through dense undergrowth

12.80 Wash, 20 kts. wide, course N.E

39.40 Old  $\frac{1}{4}$  cor. mound; I  
reestablish corner by

Resurvey of section of township lines surround

Chains setting a granite  
 $18 \times 10 \times 5$  ins., 12 ins. in  
 the ground, for  $\frac{1}{4}$  sec.  
 cor., marked  $\frac{1}{4}$  9 on  
 W. and 10 on E. faces;  
 from which

A mesquite 4 ins. diam,  
 bears  $N 57^{\circ} W$ , 87 lks.  
 dist., marked  $\frac{1}{4}$  S. 9 B.T.

A mesquite 10 ins. diam,  
 bears  $S 66^{\circ} E$ , 113 lks.  
 dist., marked  $\frac{1}{4}$  S. 10 B.T.

40.00 Wash, 30 lks. wide, course  $N. E.$

54.70 Wash, 30 lks. wide, course  $N. E.$

79.35 Wash, 15 lks. wide, course  $E.$

80.09 Old cor. stake, lying  
 on the ground, with marks  
 obliterated. I reestablish  
 cor., as follows;

ing following on the "San Ignacio de la Cruz" <sup>map</sup>

Chains Set a sand stone  
 $18 \times 8 \times 8$  ins., 12 ins. in  
 the ground, for cor.  
 of secs. 9, 10, 15 and 16,  
 marked with 4 notches,  
 on S. and <sup>3 notches on</sup> E. edges,  
 from which

A mesquite 8 ins. diam.,  
 bears  $N 68^\circ E$ , 102 lks. dist.,  
 marked T. 18 S. R. 13 E. S. 10 B. 3

A terota 4 ins. diam., bears  
 $S 55^\circ E$ , 25 lks. dist., marked  
 T. 18 S. R. 13 E. S. 15 B. 5

A mesquite 6 ins. diam.,  
 bears  $S 49\frac{1}{2}^\circ W$ , 44 lks. dist.,  
 marked T. 18 S. R. 13 E. S. 16 B. 5

A palo verde 4 ins. diam.,  
 bears  $N 72\frac{1}{2}^\circ W$ , 74 lks. dist.,  
 marked T. 18 S. R. 13 E. S. 9 B. 5

Resurvey of section of township lines surround

chains Land gently rolling  
 Soil, gravelly loam, 2<sup>nd</sup> rate  
 Timber, mesquite and palo verde.  
 Undergrowth, mesquite,  
 tesota, and palo verde.  
 Land covered with dense  
 undergrowth 80.09 chs.

Line bet secs. 10 and 15  
 bears S 89° 40' E from  
 cor. of secs. 15, 16, 21 & 22,  
 therefore I run on the  
 above course, between  
 secs. 10 and 15

Over rolling land,  
 through dense undergrowth

- 12.40 Wash 20 lbs. wide, course S. E.  
 30.60 Recross same wash, course N. E.  
 39.00 Recross same wash, course N. E.

ending <sup>3</sup>/<sub>4</sub> of closing on the San Ignacio de la Cruz <sup>quarry</sup>

chains

40.15

Old stake lying on the ground, with marks obliterated, I reestablished cor., by setting a sandstone 18 x 8 x 6 ins., 12 ins., in the ground for <sup>1</sup>/<sub>4</sub> sec. cor., marked <sup>1</sup>/<sub>4</sub> 10° on N., and 15° on S. faces, from which, a palo verde 6 ins. diam., bears N 27° E, 56 lks. dist., marked <sup>1</sup>/<sub>4</sub> S. O. B. T. A palo verde, 5 ins. diam., bears S 49° E, 33 lks. dist., marked <sup>1</sup>/<sub>4</sub> S. 15 B. T.

40.95

Recross same wash, course N. E.

Resurvey of section of township lines ~~and~~  
Chains

- 52.70 Recross same wash, course  
S. E.
- 53.83 Intersect West boundary  
of the "San Ignacio  
de la Canva" grant,  
at a point from  
which the 3<sup>rd</sup> Mile  
Cor., bears  $N 22^{\circ} 56' E$ ,  
12.43 chs. dist.,  
Set a sandstone  
18 x 10 x 6 ins., 12 ins.,  
in the ground for  
closing cor. of fractl  
secs. 10 and 15, marked  
C. C. on W., and S. T. C.  
on the E. faces, from  
which, a mesquite  
12 ins. diam., bears  
S 57° W, 16 lks. dist.,

ing of closing on the San Ignacio de la Cauva "grant  
chains

# marked T. 18 S. R. 13 E  
S. 15 B. T.

A palo verde 4 ins.  
diam., bears  $N 25^{\circ} W$   
73 lks. dist., marked  
T. 18 S. R. 13 E, S. 10 B. T.

Land gently rolling  
Soil, gravelly loam, 2<sup>nd</sup> rate  
Timber, mesquite  $\frac{2}{3}$  palo verde  
undergrowth, mesquite,  
palo verde and teota.

Land covered with dense  
undergrowth 53.83 chs.

From cor. 9, 10, 15 and 16  
the old  $\frac{1}{4}$  cor. bet. sec's  
15 and 16 bears  $S 4^{\circ} E$ ,  
therefore I ran on the  
above course bet. sec's.

Resurvey of section  $\frac{2}{3}$  of townships lines surrounding  
Chambers

15 and 16

- Over gently rolling land
- 15.00 Wash, 40 fms. wide, course S.E.
- 21.55 Wash, 90 fms. wide, course S.E.
- 34.15 Wash, 10 fms. wide, course S.E.
- 39.75 Road, bears N.E.  $\frac{2}{3}$  of S.W.
- 40.52 Old stake lying on the ground, with marks obliterated. I reestablish cor., by setting a sandstone  $18 \times 12 \times 7$  ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  16 on W., and 15 on E faces; from which, a palm verde 4 ins. diam., bears  $S 12 \frac{1}{2}^{\circ} E$ , 67 fms. dist., marked  $\frac{1}{4}$  S. 15/39. A mesquite, 8 ins. diam.,



Following on the "San Guacero de la Cueva" grant  
chains.

bears  $S 30^{\circ} 4' W$ , 102 lks.  
dist, marked  $\frac{1}{4}$  S. 16 B.T

Thence from  $\frac{1}{4}$  sec. cor

run  $S 0^{\circ} 25' E$

- 6.60 Wash, 15 lks. wide, course S.E.
- 15.50 Wash, 20 lks. wide, course S.E.
- 29.70 Wash, 40 lks. wide, course S.E.
- 39.00 Wash, 15 lks. wide, course S.E.
- 39.70 Cor. stake, lying on  
the ground, with  
marks obliterated,  
I reestablish cor. as  
follows, - by setting  
a sandstone  $18 \times 8 \times 6$   
ins., 12 ins. in the  
ground for cor. of  
secs 15, 16, 21 and 22,  
marked with 3  
notches on S. and E.

Resurvey of section <sup>3</sup>/<sub>4</sub> of township lines surrounding  
chains

edges., and raise  
a mound of stone  
2 ft. base, and 1 1/2 ft  
high, W. of cor. Pits  
impracticable.

Land level and rolling  
Soil, gravelly loam; 2<sup>nd</sup> rate  
Timber, mesquite and palo verde  
Undergrowth, palo verde  
and catclaw.

Land covered with  
dense undergrowth

80.22 chs.

90.22

From cor. 15-16-21-22

I run East between  
secs 15 and 22

Over rolling land,  
along S. Side of wash

of closing on the "San Ignacio de la Coma" grant  
chains

17.00

Intersect West  
boundary of the  
San Ignacio de la Coma  
grant, at a point  
from which 4<sup>th</sup>  
Mile Cor. bears  
N 22° 56' E, 19.14 chs  
dist.

Set a granite stone  
18 x 10 x 10 ins., 12 ins  
in the ground for  
closing cor. of fractl.  
sec's. 15 and 22,  
marked C.C. on W,  
and S. I. C. on E,  
faces, and raise  
a mound of stone  
2 ft base, 1½ ft. high  
W. of cor. Pits impract.

Resurvey of section and township lines surround  
chains

Land rolling  
Soil, gravelly loam; 3<sup>rd</sup> rate  
No timber, undergrowth  
catclaw

From cor. 15-16-21-22

I run South bet.

secs. 21 and 22

Over level and rolling <sup>land</sup>

3.20 Wash, 15 lbs. wide, course E

15.70 Wash, 30 lbs. wide, course N.E

25.90 Road, bears N.E and N.W

35.20 Wash, 30 lbs. wide, course E

39.00 Set a witness cor.,

for  $\frac{1}{4}$  sec. cor. —

Sandstone 18 x 8 x 5 ins.,

12 ins., in the ground,

marked W.C.  $\frac{1}{4}$  21

on W., and 22 on E

ing and closing on the San Guacimo de la Canva grant  
chains

faces, from which  
a mesquite 7 ins. diam  
bears  $N 29 \frac{1}{2}^{\circ} E$ , 132 lks.  
dist., marked W.C  
 $\frac{1}{4} S. 22 B.T.$

A palo verde 6 ins. diam,  
bears  $N 19^{\circ} W$ , 106 lks.  
dist., marked W.C.  
 $\frac{1}{4} S. 21 B.T.$

39.60

Set a limestone  
16 x 8 x 4 ins., 10 ins. in  
the ground for witness  
cor. of closing cor. for  
fractl. secs. 21 and 22,  
marked W.C-CC  
on N., and S.P.C  
on S. faces, from  
which, a palo verde  
4 ins. diam, bears

Resurvey of section of township lines surrounding  
Chains

S  $12\frac{1}{2}^{\circ}$  E, 67 lks. dist.,  
marked <sup>W.C.</sup> N. 18 S. R. 13 E.  
S 22. B. T.

A mesquite, 8 ins.,  
diam., bears S  $30\frac{1}{4}^{\circ}$  W,  
102 lks. dist., marked  
W. C. - T. 18 S. R. 13 E S. 22 B. T.

40.00 <sup>Enter</sup> West, course N. E.,  
cor. point for  $\frac{1}{4}$  sec. cor

40.21 Intersect W. boundary  
of "San Ignacio de  
la Canoa" grant,  
at a point from which  
5<sup>th</sup> Mile cor., bears  
S  $22^{\circ} 56'$  W, 17.20 chs  
dist.

Land level and rolling  
Soil, gravelly loam, 2<sup>nd</sup> Grade  
Timber, some mesquite

and closing on the San Ignacio de la Cueva grant

and palo verde,  
undergrowth, catclaw  
Land covered with  
dense undergrowth  
40.21 chs.

.21

From cor. 15-16-21 and 22  
1/4 cor. and cor of sec's  
16-17-20-21 bears S 89° 50' W  
therefore I run on the  
above course bet.  
secs 16 and 21

39.89 Over gently rolling land  
Old 1/4 cor. mound - I  
reestablish cor. by  
setting a malpais  
stone 18 x 12 x 3 ins. 12 ins.  
in the ground for  
1/4 sec. cor., marked

Resurvey of section <sup>of</sup> townships lines, survey  
Chains

$\frac{1}{4}$  16 on N. and 21 on  
S. faces, from which  
A palo verde 4 ins. diam.,  
bears  $N 83 \frac{3}{4} W$ , 43 lks  
dist., marked  $\frac{1}{4}$  16 B.T.  
A mesquite 3 ins. diam.,  
bears  $S 44 \frac{1}{4} E$ , 39 lks  
dist., marked  $\frac{1}{4}$  S. 21 B.T.

64.00 Wash, 15 lks. wide course 1.2

79.82 Faint mound of old  
cor., reestablish cor.  
by setting a malpais  
stone  $18 \times 8 \times 4$  ins., 12 ins  
in the ground for  
cor. of sec's 16, 17, 20  $\frac{2}{3}$  of 21,  
marked with 3 notches  
on S and 4 E edges,  
from which  
A palo verde, 5 ins. diam.,



ding <sup>g</sup> closing on the San Ignacio de la Cruz  
chains

bears  $N64\frac{3}{4}^{\circ}E$ , 115 lks. dist.,  
marked T. 18 S. R. 13 E. S. 16 137.  
A palo verde 3 ins. diam., bears  
 $S59\frac{1}{2}^{\circ}E$ , 60 lks. dist.,  
marked T. 18 S. R. 13 E. S. 21 137.  
A palo verde 5 ins. diam., bears  
 $S89^{\circ}W$ , 77 lks. dist., marked  
T. 18 S. R. 13 E. S. 20 B. T.  
A mesquite, 7 ins. diam.,  
bears  $N1^{\circ}W$ , 82 lks. dist.,  
marked T. 18 S. R. 13 E.,  
S 17 B. T.

Land gently rolling  
Soil gravelly loam;  
2<sup>nd</sup> rate

Timber, some mesquite  
and palo verde  
Undergrowth, catclaw  
and palo verde.

39.

Resurvey of section  $\frac{3}{4}$  of township lines surrounding  
Chalins

Land covered with dense  
undergrowth 79.82 chs.

From cor. of secs. 16, 17, 20  $\frac{3}{4}$  of 21

I run S $0^{\circ}10'$ E (bearing  
of line) bet. secs. 20  $\frac{3}{4}$  of 21

Over rolling land  
through dense undergrowth

9.00 Wash, 15 lks. wide, course N. W.

18.00 Leave dense undergrowth  
bears E and W

23.30 Wash, 80 lks. wide, course S. E

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

39.83 Old  $\frac{1}{4}$  cor. post lying  
on the ground with marks  
obliterated; I reestablish  
cor., by setting a granite  
stone 18 x 12 x 6 ins., 12 ins.,  
in the ground for  
 $\frac{1}{4}$  sec. cor., marked

Walking on the "San Ignacio de la Cava" <sup>40</sup>  
 ruins

4.20 on W., and 21  
 on E. faces, from  
 which a mesquite  
 7 ins. diam., bears  
 $N 8^{\circ} E$ , 69 lbs. dist., marked  
 1/4 S. 21 B.T.

A palo verde, 5 ins. diam.,  
 bears  $N 41 \frac{1}{2}^{\circ} W$ , 23 lbs.  
 dist., marked 1/4 S. 20 B.T.

40.40 Wash, 12 lbs. wide, course S.E.

44.90 Wash 20 lbs. wide, course S.E.

68.00 Wash, 20 lbs. wide, course S.E.

69.50 Wash, 20 lbs. wide, course S.E.

79.88 old mound of stones, at

this point I reestablish  
 cor., as follows,

Set a sand stone  
 18 x 8 x 6 ins., 12 ins.  
 in the ground for

41

Resurvey of section of township lines surrou  
 Chains

cor. of sec's 20, 21, 28<sup>E</sup> & 29  
 marked with 2 notches  
 on S. and 4 notches  
 on E. edges; from  
 which a mesquite  
 12 ins. diam. bears  
 N61° W., 181 lks. dist.,  
 marked T. 18 S. R. 13 E. S. 20 BT.  
 No other trees within  
 limits, and raise  
 a mound of stone  
 2 ft. base, 1½ ft  
 high, W. of cor. -  
 Pits impracticable  
 Sand rolling  
 Soil gravelly loam,  
 2<sup>nd</sup> and 3<sup>rd</sup> rate  
 Timber, a few mesquites  
 and palu verdes.

ing & closing on the "San Ignacio de la Cañada" grant  
 chains

Undergrowth, palo verde,  
 cat claw and mesquite  
 Land covered with  
 dense undergrowth 18 chs.

Thence I run S 89° 42' E  
 on true course of  
 line bet. sec's 21 <sup>3</sup>/<sub>4</sub> of 28  
 Over rolling land

- 2.75 Enter dense undergrowth  
 34.50 Wash, 75 fks. wide, course S. E  
 40.16 Old <sup>1</sup>/<sub>4</sub> cor., stake obliterated  
 Reestablish same by  
 setting a sandstone  
 18 x 10 x 6 ins., 12 ins. in  
 the ground for <sup>1</sup>/<sub>4</sub> sec.  
 cor., marked <sup>1</sup>/<sub>4</sub> 21  
 on N., and 28 on S.  
 faces, from which

Resurvey of section <sup>2</sup>/<sub>3</sub> of township lines surround  
Chains

A mesquite, 10 ins. diam.,  
bears  $N35^{\circ}W$ , 159 lks.  
dist., marked  $\frac{1}{4}$  S. 21 B.T.

A mesquite, 3 ins. diam.,  
bears  $S60^{\circ}E$ , 73 lks.  
dist., marked  $\frac{1}{4}$  S. 28 B.T.

62.62 Intersect West  
boundary of the  
San Ignacio de la  
Canoa grant at  
a point, from which  
Witness Corner for  $5\frac{1}{2}$   
Mile Cor. bears  $S22^{\circ}56'W$   
13 chs. dist.,

Set a sand stone  
 $18 \times 8 \times 3$  ins., 12 ins. in  
the ground for  
closing cor. for fractl.  
secs. 21 and 28, marked

ing and closing on San Ignacio de la Cueva <sup>gravel</sup>  
 chains

C.C. on W. and  
 S. F. C. on the E.  
 faces, from which  
 A mesquite 7 ins. diam.  
 bears  $100^{\circ}W$ , 148 lbs.  
 dist., marked

T. 18 S. R. 13 E. S. 21 B. T

A mesquite, 6 ins. diam.,  
 bears  $S 52\frac{1}{2}^{\circ}W$ , 82 lbs.  
 dist., marked

T. 18 S. R. 13 E. S. 28 B. T

Land rolling

Soil, gravelly loam; 2<sup>nd</sup> rate

Timber, some mesquite

Undergrowth, mesquite,  
 catclaw, palo verde and  
 acotillo

Land, covered with dense  
 undergrowth 59.87 chs.

January 7, 1903

Recovery of section and township lines surrounding  
Chadmo

- From cor. 20, 21, 28<sup>3</sup>/<sub>4</sub> of 29  
I run South on  
true course of line  
bet. sec's 28<sup>3</sup>/<sub>4</sub> of 29  
Over rolling land  
1.25 Top of low ridge, bears  
E and W  
6.75 Gulch, 10 lks. wide, course S. E.  
11.10 Gulch, 10 lks. wide, course S. E.  
ascend  
16.00 Top of ascent, bears  
E. and W., descend  
26.50 Bottom  
27.00 Wash, 40 lks. wide, course S. E.  
34.00 Lane dense undergrowth,  
bears E. and W.  
35.00 Ascend  
37.50 Top of ascent, bears  
E. and W.



3. Closing on the San Guacia de la Canoa grant

chains

38.00

Descend

39.87

old mound of stone;  
I reestablish cor,  
by setting a malpais  
stone 18x8x6 ins.,  
12 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor, marked  
 $\frac{1}{4}$  29 on W, and 28 on  
E. faces, and raise  
a mound of stone  
2 ft. base,  $\frac{1}{2}$  ft high,  
W. of cor. Pits impracticable

65.00

ascend  
Top of ascent, bears  
Easterly and Westerly;  
descend

70.00

Foot of descent

70.60

Gulch ~~10~~ course Easterly;  
ascend

73.00

Top of ascent, bears E  $\frac{3}{4}$  W

Resurvey of section of township lines surrounding  
 claims

75.00 Descend

79.70 Old mound of stones;  
 Reestablish cor.  
 by setting a sand-  
 stone  $18 \times 8 \times 4$  ins., 12 ins.  
 in the ground for  
 cor. of secs. 28, 29,  
 32 and 33, marked  
 with 1 notch on S,  
 and 4 notches on E,  
 edges, from which  
 a palm vade, 6 ins.,  
 diam., bears  $N48^{\circ}E$   
 75 lks., dist., marked  
 T. 18 S. R. 13 E., S. 28 B. 5  
 A mesquite 6 ins. diam.,  
 bears  $S77^{\circ}E$ , 109 lks.  
 dist., marked  
 T. 18 S. R. 13 E., S. 33 B. 5

Closing on the 'San Guacira de la Cruz' grant  
chains

A mesquite 10 ins. diam.  
bears  $S 19^{\circ} W$ , 202 lbs. dist.  
marked T. 18 R. 13 E. S. 32 B. 5.

A palo verde 6 ins. diam.,  
bears  $N 38^{\circ} W$ , 73 lbs. dist.,  
marked T. 18 R. 13 E. S. 29 B. 5.

Land rolling

Soil, gravelly loam; 2<sup>nd</sup> rate

Timber, some mesquite  
and palo verde;

Undergrowth, mesquite  
and catclaw

Land covered with  
dense undergrowth 34 chs.

From cor. 28, 29, 32 <sup>and</sup> 33

Run East on true  
course of line bet.  
sec's 28 and <sup>33</sup> 29

Resurvey of section of township lines surrounding  
chains

Over rolling land  
 1.00 Wash, 20 lbs. wide, course S.E.  
 1.10 Ascend bank 20 ft. high  
 2.50 Top, thence along  
 ridge, running Easterly  
 22.50 Descend  
 28.00 Foot of descent  
 28.80 Intersect N. boundary  
 of the San Ignacio  
 de la Canoa grant,  
 at a point, from  
 which  $6\frac{1}{2}$  Mile Cor.  
 bears  $S 22^{\circ} 56' W$   
 8.00 chs., dist.  
 Set a quartz stone  
 18 x 12 x 7 ins., 12 ins  
 in the ground for  
 closing cor. of  
 fractl<sup>l</sup> sec's. 28<sup>nd</sup> of 33,

2<sup>d</sup> closing on the "San Guaciro de la Cruz" grant  
 drains

marked C. C. on W.,  
 and J. J. C. on E  
 faces; from which  
 + A palv verde 6 ins. diam.  
 bears  $N 29^{\circ} W$  90 lbs.  
 dist., marked T. 18 S. R.  
 13 E. S. 28 B. T.

A mesquite, 6 ins.  
 diam., bears  $S 42^{\circ} W$   
 58 lbs. dist., marked  
 T. 18 S. R. 13 E. S. 33 B. T.

Land rolling and mountainy  
 Soil, gravelly loam; 3<sup>d</sup> rock  
 Timber, a few mesquites  
 and palv verde;  
 under growth, catebau  
 and palv verde  
 Mountainous land/25.500hs

51

Resurvey of section and township lines surrounding  
Chains

From cor. of secs. 28, 29, 32  $\frac{2}{3}$  / 33  
I run  $N 13^{\circ} E$  on  
true course of line  
bet. secs. 32 and 33

Over rolling land;  
ascending

4.00 Top

5.00 Descend

6.56 Foot of descent, ascend

10.00 Top bears E. and W.

11.00 Descend

14.70 Foot; gulch, 5 lks. wide,  
course E.; ascend

18.00 top of ascent

22.00 Descend

30.00 Foot of descent

30.10 Wash 20 lks wide,  
course E

32.10 Wash (same) 20 lks. wide

and closing on the San Guacior de la Cueva' group  
Chains

course W

38.00 Wash, 10 lks. wide, course S. E

39.81 Old mound of stone,  
no signs of old stake.

Reestablish cor. by  
setting a malpais  
stone,  $18 \times 8 \times 6$  ins.,  
12 ins. in the ground  
for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  32 on W., and 33

on E. faces, and  
raise a mound  
of stone  $2\frac{1}{2}$  ft. base,  
 $\frac{1}{2}$  ft. high, W. of cor.  
Pits impracticable

42.75 Wash, 20 lks. wide, course  
South Easterly

44.00 Ascend

46.00 Top of ascent, bears  $E \frac{3}{4} N$ .

Resurvey of section and township lines, same  
chains

- 53.00 Descend  
 54.50 Foot of descent  
 59.95 Wash, 15 lks. wide, course E  
 65.00 ascend  
 66.50 Top of ascent, bears E  $\frac{3}{4}$  W  
 67.66 Intersect W. boundary  
 of the "San Ignacio  
 de la Canva" grant  
 at a point from  
 which  $7\frac{1}{2}$  Mile Cor.,  
 bears S  $22^{\circ}56'$  W,  
 14.79 chs. dist.,  
 set a sandstone  
 18 x 8 x 6 ins., 12 ins.,  
 in the ground for  
 closing cor. of  
 fractl. sec's 32  $\frac{3}{4}$  33,  
 marked C.C. on  
 N., and S.L.C



ending <sup>with</sup> following "San Ignacio de la Cueva" grant  
 chains

on S. faces; and  
 raise a mound  
 of stone 2 ft. base,  
 1 ft. high, N. of cor.  
 Cuts impracticable  
 Land rolling and mountainous  
 Soil gravelly, 3<sup>rd</sup> rate  
 Timber, a few scattering  
 mesquite trees.  
 Mountainous land of 66 chs.

T. 19<sup>s</sup>  
 From cor. of sec's 5, 6, 31<sup>2</sup>/<sub>32</sub>  
 on South boundary of  
 T. 18 S. R. 13 E, which  
 is a malpais stone  
 6 ins. above ground,  
 with mound of stone  
 on N side, the  $\frac{1}{4}$  cor.  
 point between sec's 5<sup>2</sup>/<sub>32</sub>

Chains

bears  $N 89^{\circ} 30' E$ , therefore  
I run on above course  
bet. sees 5 and 32

Over rolling land,  
through dense undergrowth,  
ascending

3.00 Top of ascent

6.60 Descend

9.30 Foot of descent

10.85 Wash, 15 lks. wide, course  $N. E$

13.45 Wash, 30 lks. wide, course  $N. E$

32.60 Recross above wash, course  $N. E$

36.55 Wash, 25 lks. wide, course  $N. E$

38.75 Old  $\frac{1}{4}$  cor. point. I  
reestablish cor. by  
setting a granite stone  
 $18 \times 8 \times 7$  ins., 12 ins. in  
the ground for  $\frac{1}{4}$  sec.  
cor., marked  $\frac{1}{4}$  32