

1751

BUENA VISTA

CONTRACT 85  
CHAS. COYTON  
U.S. GEO. SUR.

1751

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BOOK 1751

BOOK 1751

4-671

1751

FIELD NOTES  
GENERAL LAND OFFICE.

1751

## Field Notes

Of the survey of the  
 Exterior Boundaries  
 of the

Marina Santissima del Carmen  
 Alias Punta Vista

Private Land Grant

Situated in Santa Cruz Co. Arizona

As surveyed by

Philip Coutzorn

U. S. Deputy Surveyor

Under his contract No. 85

Dated June 12, 1901

Survey commenced December 26, 1901.

Survey completed, December 31, 1901.

1A  
BOOK 1751

# 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 the survey of the *esterior boundaries*  
 of the *Maria*  
*Santisima del Carmen*  
*alias Buena Vista Private*  
*Land Grant situated*  
*in Santa Cruz County*  
*of the Gila and Salt River Base and Meridian, in the Ter-*  
 ritory of Arizona.

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

Sworn and subscribed before me, this *26<sup>th</sup>*.....  
 day of *December*..... 190*1*.

*Philip Conzler*  
 Notary Public  
 U. S. Deputy Surveyor  
 No notary available



We, ... *Walter J. Percival 2*  
and ... *C. R. Barthelmy* ...

do solemnly swear that we will well and truly perform the  
duties of ... *flagman and* ...  
*axeman* ... **BOOK...1751**

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 ... *exterior* ...

boundaries of the *Maria*  
*santissima del Carmen*  
*alias Buena Vista* Private  
*Land Grant* situated in  
*Santa Cruz County*  
of the ~~Gila and Salt River Base and Meridian~~, in the Ter-  
ritory of Arizona.

*Walter J. Percival* Flagman.  
*C. R. Barthelmy* Axeman. •  
..... Axeman.  
..... Axeman.

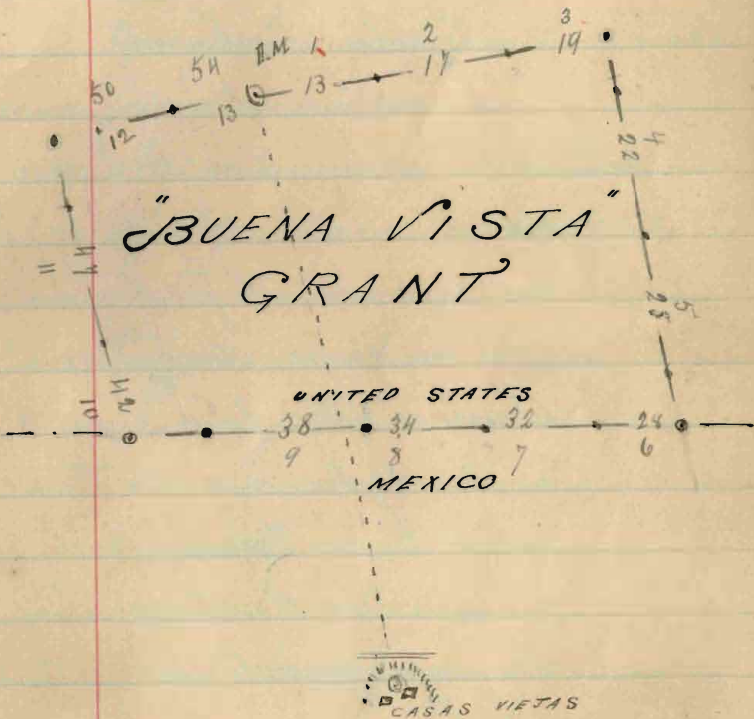
Subscribed and sworn to before me this ... *26<sup>th</sup>* ...

day of ... *December* ... 1901.

..... *Philip Conzen*  
Notary Public.  
*N. S. Deputy Surveyor*  
*No notary available*

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# INDEX



Extensions of Burma Vista Private Land Grant  
 chains

Survey commenced December 26, 1901, and executed with a W. & L. E. Gurley light mountain transit, No 4607, with Burt's solar attachment.

The instrument was examined on the true meridian at Pinoson, found correct, and was approved by the surveyor general for Arizona.

In accordance with my special instructions, dated June 12, 1901, I begin at the old corners of the Burma Vista grant, Sonora, Mexico, which are situated on a knoll projecting from the main mesa to the north, on the south side of road leading to the Granama mines, and about a quarter of a mile westerly of the Santa Cruz river.

In order to test the solar apparatus

Extremes of Bunnal Vista Private Land Grant - continued  
 Chains

by comparing the results of observations on the sun, made during a. m. and p. m. hours, with a true meridian, determined by observations on Polaris, & proceed as follows:

At 3.30 p. m. local mean time, I set off 31<sup>9</sup>' on the latitude arc,  $23^{\circ}23'$  N on the declination arc, and mark the true meridian thus determined with the solar by a cross on a stone firmly set in the ground, 5 chs N of the instrument.

December 27: At 12<sup>h</sup> 44<sup>m</sup> a. m. local mean time, I observe Polaris at western elongation, in accordance with instructions in the manual, and mark the line thus determined, by a tack driven in a wooden plug, set in the ground, 5 chs N of my station.

Extremis of Bona Vista Private Land Grant-continued

Chains

At 7.00 a m, I lay off the azimuth of Polaris  $1^{\circ} 25'$  to the east, and mark the true meridian thus determined by cutting a small groove in the stone set last evening, on which the true meridian falls 0.5" ins east of the mark determined by the solar.

At 8.00 a m, I set off  $31^{\circ} 19'$  on the lat. arc,  $23^{\circ} 23'$  on the decl. arc and mark the true meridian determined by a cross on the stone already set 5 Chs N of my station, this mark falls 21" ins west of the true meridian established by the Polaris observation.

The solar apparatus by p m and a m observations establishes position of true meridian with sufficient accuracy therefore I conclude that the adjustments of the in-



Exteriors of Burma ~~to~~ ~~the~~ ~~Land~~ ~~Front~~ - ~~Continued~~

Chains

- struments are satisfactory.  
 Placer Iron  $76^{\circ}20'$  W  
 Over mountainous land  
 Descending  
 1.50 Foot and enter Santa Cruz valley,  
 course northerly.  
 1.60 Road to banana mines bears easterly  
 and westerly.  
 5.42 Wire fence, bears E and W  
 10.50 Dry creek, course easterly.  
 11.50 Gravel bottom land and enter mesa  
 48.50 Gravel mesa and reenter bottom  
 land  
 51.50 Brigading ditch, 8 lbs wide, course  
 north, north westerly.  
 66.50 Santa Cruz river, 20 lbs wide, course  
 N. Westerly.  
 71.90 Wire fence, bears N. Westerly and S.  
 Easterly.

Extremes of Pinal Vista Private Land Grant - continued

Chain

- 72.04 Road, bears N Westly and S Eastly
- 74.50 Cross Santa Cruz valley and ascend
- 85.00 Top of ridge, bears N. Westly and  
S. Eastly
- 87.50 Descend
- 92.00 Myscarino's ranch shows bears 12 chs W
- 95.25 Gulch 30 lks wide, course easterly  
and ascend
- 108.50 Top of East slope of ridge and descend
- 111.30 Wire fence, bears E and W
- 114.30 Foot
- 117.04 Gulch 20 lks wide, course westerly
- 117.50 Ascend
- 124.50 Top of ridge, bears Easterly and Westly.
- 125.50 Descend
- 131.50 Foot
- 133.10 Gulch, 15 lks wide, course S. Westly
- 140.10 Ascend
- 150.50 Top of ascent, bears Easterly and Westly.

Extremes of Bonna Vista Private Land Grant - continued  
chains

- 151.50 Descent
- 157.50 Foot of descent
- 162.00 Dry wash 80 lks wide, course N. Westly
- 166.00 Ascent N slope of ridge
- 166.39 Wire fence, bars E and W
- 171.50 Top of ridge, bars N and S
- 172.50 Descent
- 174.50 Foot, and center Santa Cruz valley,  
course Northly
- 177.50 Louis ranch house bars 8 chs W
- 178.50 Graveyard, bars 12 chs W
- 184.50 Marcario Sanclatis house, bars 20 chs W
- 198.00 Wire fence, bars E and W; dry well  
bars 1 ch E.
- 199.30 Road to Bonna Vista bars N Eastly  
and S. Westly
- 199.50 Corner wire fence, <sup>bars</sup> 110 lks S W
- 204.50 Jose Morales' house, bar 6 chs W
- 205.00 Small adobe house bars 150 lks W.

*Particulars of Buena Vista Private Land Grant - continued*  
 Chains

- 206.00 Enter scattering mesquite
- 212.30 Road, bears N. Easterly and S. Westerly
- 226.00 Road, bears Northwaly and Southwaly
- 226.14 Salphons line from Nogales to Wash-  
 ington Camp, bears N. Easterly and S.
- 227.60 John Burdets house, bear 6 chs W
- 228.50 Nogales road bears 50 lks W
- 230.25 Dry wash 40 lks wide, course Westerly
- 231.20 Enter dry wash, course Westerly
- 236.50 Guadalupe Cruz's house, bears 3.50  
 chs E.
- 239.00 Grass wash
- 240.10 Junction Washington Camp, Nogales  
 and Buena Vista roads
- 243.05 Dringating ditch 8 lks wide, course  
 N 63° E, and enter bed Santa Cruz  
 river, course N. Easterly
- 247.50 Santa Cruz river, 80 lks wide.  
 course N. Easterly.

Extremes of Barred Vista Private Land Grant - continued

Chains	
248.50	Foot Coccollo's house, bars 3.50 chs W
250.00	Dividing ditch, 8 lks wide, course N. Easterly, and bare near bed
250.10	Brush fence, bars N. E., and S. W. cor fence bars, 1 ch N. E.
251.40	Brush fence, bars N. W. and S. E. bars valley and ascend along E. slope of ridge
256.50	Marcario Anguis house bars, 1 ch E.
265.50	Top of ridge, bars E and W
266.50	Descend
271.00	Foot gully 15 lks wide, course Easterly
271.20	Ascend
275.50	Top of ridge, bars Easterly and Westerly
276.50	Descend gradually
279.50	Tricks house, bars 4 chs E
288.50	Old adobe house, bars 7 chs E and descend steeply
288.44	(19037 ft) At this point I establish

12  
 Exterior of Bernal Vista Private Land Grant - continued  
 Charrro

Central Monument of exterior boundaries of grant, by  
 Setting granite stone  $24 \times 10 \times 10$  ins, 18  
 ins in the ground, marked I M.  
 B V G on S, and P L on N faces,  
 and raise a mound of stone 3 ft base  
 3 ft high S of stone, from which a  
 mesquite 15 ins diam, bears  $N 54^\circ E$ ,  
 383 lbs dist, marked I M, B V G, B T.  
 A mesquite 15 ins diam, bears  $N 76\frac{1}{2}^\circ E$ ,  
 690 lbs. dist.  
 marked I M, B V G, B T.

From this point Baldy peak, Santa  
 Rita mountains, bears  $N 15^\circ W$   
 Second highest peak, Santa Rita  
 mountains, bears  $N 5\frac{3}{4}^\circ W$   
 Cayetano peak, bears  $N 30\frac{1}{4}^\circ W$   
 Shack, bears  $N 8\frac{1}{2}^\circ W$ , 7 lbs dist  
 Shack, bears  $S 58\frac{3}{4}^\circ E$ , about 15 lbs  
 dist.

Extent of Original Vista Verde Land Grant continued  
Chains

Shack, bears S  $69\frac{3}{4}^{\circ}$  E, about 30 chs dist.  
From this initial monument, I run  
S  $83^{\circ}40'$  W on a plank line, 104.50 chs  
(6897.5 ft) to the point for N. W. cor  
of grant. Thence I run S  $6^{\circ}20'$  E, on  
a plank line (without measuring)  
to the point for the S. W. cor. of grant  
on the International Boundary Line.  
December 27, 1901.

From Initial Monument I run  
N  $83^{\circ}40'$  E on First Mile.

Over mountainous land

Descending

- 3.00 Feet and enter Santa Cruz valley,  
course westerly; and enter dense  
mesquite, bears Northwesterly and Southwesterly
- 5.00 Road to Calabasas, bears N. Westerly  
and S. Easterly.

Extremis of Buena Vista Private Land Grant - continued	
Chains	
5.25	Wire fence, bars N. Westraly and S. Eastraly.
8.50	House, bars 60 lbs S
9.45	Brigading ditch 8 lbs wide, course Northraly.
10.00	Enter bed Santa Cruz river, course Northraly and bars across mosquito bars Northraly and Southraly.
10.10	Santa Cruz river, 80 lbs wide, course N. Eastraly.
10.10	Gravel river bed
14.00	Head of dam, bars 10 lbs S
16.00	Wire fence, bars N. Eastraly and S. Westraly; bars Santa Cruz valley and begin ascent of N. slope of ridge.
17.00	Old adobe house, bars 4 lbs S.
24.75	Top of ridge, bars N. Westraly and S. Eastraly.
30.00	Descent



Extremes of Birra Neta Birra Land Grant-Continued  
 Chances

- 39.10 Post and wire dense mesquite  
 bears N. W. straly and E. E. straly
- 40.00 Set a sandstone 24x12x6 ins, 18 ins in  
 the ground, for  $\frac{1}{2}$  mile cor, marked  
 P.E. on N. B.V.G. on S. and  $\frac{1}{2}$  M. on  
 E. faces, from which a mesquite 20  
 ins diam, bears N 27 $\frac{1}{2}$ ° E, 115 lbs dist  
 marked B.V.G.  $\frac{1}{2}$  M. B.T.
- A mesquite 14 ins diam bears S 65 $\frac{3}{4}$ ° E,  
 87 lbs dist, marked B.V.G.  $\frac{1}{2}$  M. B.T.
- 43.85 Duff gulch, 20 lbs wide, courses N.  
 W. straly and around
- 44.10 Post and wire nearly level land
- 70.00 Enter course oak, bears Northwaly and  
 Southwaly.
- 79.00 Set a granite stone 20x16x12 ins, 14 ins  
 in the ground, for witness cor, to 1 mile  
 cor, marked W.C. P.E. on N. B.V.G. on  
 S. and 1 M. on E. faces, from which a

<sup>18</sup>  
 Extremis of Bureau Vista Private Land Grant-Continued

Chains

43.10

Old road to Washington Camp, bears N. W. W. and S. E. S. W.

45.70

Road to Washington Camp, bears N. W. W. and S. E. S. W.

53.20

Dy wash, 30 lbs wide, course N. W. W.

72.00

Dy wash 10 lbs wide, course N. W. W.

8.000

Completion of Second Mile.

Set a granite stone  $20 \times 10 \times 10$  ins, 14 ins  
 in the ground, for 2 mile cor, marked  
 P. 1 on N. B. V. G. on S. and 2 M.  
 on E. face, from which an oak 12  
 ins diam, bears N.  $61^\circ$  E, 12 lbs dist,  
 marked B. V. G. 2 M, B. 7.

A mesquite 6 ins diam, bears S.  $25^\circ$  E,  
 79 lbs dist, marked B. V. G. 2 M, B. 7.

A mesquite 12 ins diam, bears S.  $49^\circ$  W,  
 254 lbs dist, marked B. V. G. 2 M,  
 B. 7.

A mesquite 12 ins diam, bears N.  $43^\circ$  W

Extremes of Bureau Vista Private Land Grant - continued  
 chains

158 lbs dist marked B.V.G. & M.  
 B. 77

Land, incl.

Soil sandy and gravelly; end and  
 end water.

Timber oak and mesquite; undergrowth  
 mesquite.

Gravelly timbered land, 43.00 chs

N 88° 40' E, on Third Mile.

Very gently rolling land.

Through scattering oak timber.

6.80 Old Road to Washington Camp, bars  
 N. N. Westerly and S. S. Easterly.

15.00 Enter dense mesquite undergrowth  
 bars Northwly and Southwly

20.00 Barred dense mesquite undergrowth,  
 bars Northwly and Southwly.

11.00 Set a granite stone 20 x 12 x 8 ins, 19 ins

Extensio<sup>n</sup> of Burma Not<sup>al</sup> Private Land Grant-Continued  
chain

in the ground, for  $2\frac{1}{2}$  mile cor, marked  
P.L. on N, B.V.G. on S and  $2\frac{1}{2}$  M. on  
E faces, from which an oak 15 ins diam,  
bears N  $26\frac{3}{4}$ ° W, 78 lbs dist, marked  
B.V.G.,  $2\frac{1}{2}$  M, B.T.

An oak 8 ins diam, bears S  $17$ ° W, 253  
lbs dist, marked B.V.G.,  $2\frac{1}{2}$  M, B.T.

43.00 Enterd once oak timber bears Northerly  
and Southerly

53.10 Dry wash 10 lbs wide, course N. Westerly

61.55 (14622.7 ft from initial monument),  
Set a sandstone  $24 \times 12 \times 12$  ins, 18 ins in  
the ground, for angle cor No. 1 and N.E.  
cor of grant, marked  $\Delta$  1, on top, N, E  
COR, B.V.G. on S. W. and P.L. on N.E.  
faces, from which an oak 6 ins  
diam, bears N  $14\frac{1}{2}$ ° E, 104 lbs dist, marked  
N.E. COR B.V.G. B.T.

An oak 8 ins diam, bears S  $17\frac{1}{2}$ ° E, 102

Extensions of Bureau Vista Private Land Grant - Continued  
 Chain

- lks dist, marked NE. COR, B V G, B. T.  
 An oak 6 ins diam, bears  $S 42^{\circ} W$ , 92
- lks dist, marked NE, COR, B V G, B. T.  
 An oak 6 ins diam, bears  $N 64^{\circ} W$ , 66
- lks dist, marked NE, COR, B V G, B. T.  
 Shows  $S 6^{\circ} 20' E$ . (on 3rd mile)
- 8.50 Small dense oak timber, bears Easterly  
 and Westerly
- 10.85 Road to Washington Camp, bears N.  
 Easterly and S. Westerly
- 12.45 Completion of third mile.  
 Set a granite stone  $24 \times 12 \times 12$  ins, 18  
 ins in the ground, for 3 mile cor, marked  
 P. L. on E, B V G on W and 3 M. on  
 S face; from which an oak, 6 ins  
 diam, bears E,  $17 5/8^{\circ}$  lks dist, marked  
 B V G, 3 M, B. T.
- An oak 6 ins diam, bears  $S 31^{\circ} E$ , 87  
 lks dist, marked B V G, 3 M, B. T.

Extrairs of Bureau Vista Private Land Grant - continued  
 Chain

A pine 5 ins diam, bears  $S 33\frac{1}{4}^{\circ} W 59'$   
 1/2 dist, marked B V 8, 3 M, B. T.  
 An oak 12 ins diam, bears  $N 10\frac{1}{2}^{\circ} W,$   
 216 lbs dist, marked B V 8, 3 M, B. T.  
 Land, gently rolling  
 Soil, gravelly, and sandy  
 Timber, oak, undergrowth, mesquite  
 Heavily timbered land or land covered  
 with dense undergrowth 27.55 Chs.

$S 6^{\circ} 20' E$ , on South Mich.

Over gently rolling land

Through scattering oak timber.

- 1.00 Road to Washington Camp, bears  $E. S.$   
 $E$ asterly and  $N. N. W$ esterly
- 1.70 Dry wash, 160 lbs wide, course  $S. W$ esterly
- 8.10 Dry wash, 15 lbs wide, course  $N. W$ esterly
- 10.30 Dry wash, 20 lbs wide, course  $W$ esterly

Extremis of Burma Vista Pointe Land Grant - continued

Chains

- 18.10 Road to Washington Camp, bears E. N. Easterly and S. S. Westerly.
- 25.00 Dry wash, 20 lbs wide, course Westerly
- 40.00 Set a granite stone  $28 \times 18 \times 15$  ins, 21 ins in the ground, for  $3\frac{1}{2}$  mile cor, marked P. L. on E, B. V. G. on W and  $3\frac{1}{2}$  M. on S. face, from which an oak 8 ins diam, bears N  $81\frac{1}{2}$  W, 56 lbs dist. marked B. V. G.,  $3\frac{1}{2}$  M., 13.57. No other trees within limit, and raised mound of stone 3 ft base, 2 ft high, N. of cor. Sets impracticable.
- Head of gully bears 90 lbs S.
- 49.10 Gully 10 lbs wide, course S. Westerly
- 54.90 Dry wash 10 lbs wide, course S. Westerly
- 64.00 Descend
- 65.00 Post and enter draw, course S. Westerly
- 68.50 Dry wash 30 lbs wide, course Westerly

24  
 Extensio of Bureau Vista Private Land Grant - Continued  
 Chain

69.00 Grand draw, and ascend

70.00 Top

74.00 Descend

75.15 Port, dry wash 15 lbs wide, course W.  
 Westerly, and ascend

80.00 Top. Caption of 4<sup>th</sup> Mile

Set 4 granite stones  $24 \times 18 \times 12$  ins, 18 ins  
 in the ground, for 4 mile cor, marked  
 B V G, on W, P on E and 4 M on  
 S face, from which an oak 8 ins  
 diam, bears  $N 7^\circ E$ , 131 $\frac{1}{2}^\circ$  lbs dist, marked  
 B V G, 4 M, B. 57.

An oak 24 ins diam, bears  $S 27^\circ E$ , 209  
 lbs dist, marked B V G, 4 M, B. 57.

An oak 8 ins diam, bears  $S 72^\circ W$ , 80  
 lbs dist, marked B V G, 4 M, B. 57.

An oak 7 ins diam, bears  $N 40\frac{1}{4}^\circ W$ , 87  
 lbs dist, marked B V G, 4 M, B. 57.

Land gently rolling and mountainous



Extensive of Bernal Vista Tract Land Grant continued  
Chains

Soil, gravelly and stony, 2nd and 3rd  
rates.

Timber, scattering oak, madrognath, oak  
and yucca.

Mountainous land 12.00 chs.

December 25, 1901.

S 62° E, on Fifth Mile.

Over mountainous land.

Through scattering oak and yucca

Descending

5.15 Foot, dry wash 10 lbs wide, course N.

Westerly

6.00 Ascend

8.00 Popl and descend

11.90 Foot, dry wash 10 lbs wide, course

S. Westerly

13.20 Ascend

14.20 Popl and descend to ravine

Extremes of Pinnales Vista Private Land Grant - continued  
Chain

- 16.10 Foot dry wash 10 lbs wide, crosses W  
Westerly and ascend
- 19.50 Top of ridge, runs Easterly and Westerly
- 28.00 Descend
- 35.00 Foot, and enter N fork of Piedregosa  
canyon, course S. Westerly
- 37.00 Dry wash, 50 lbs wide, course Westerly  
and ascend
- 39.00 Top and enter gently rolling land
- 4.000 Set a granite stone 24 x 18 x 12 ins, 18  
ins in the ground, for 4 1/2 mile cor,  
marked P L on E, B V G on W and  
4 1/2 M, on S face, from which a  
mesquite 8 ins diam, bears N 10° W 85  
lbs dist, marked B V G, 4 1/2 M, B. 5.  
A mesquite 10 ins diam, bears N 88 1/2° W  
85 lbs dist, marked B V G, 4 1/2 M, B. 5.  
5.000 Junction of canyons bears half mile  
W

Extremes of Barro Vista Vinate Land Grant - continued

Chains

- 52.00 Descend
- 53.50 Foot, and enter middle fork of Piedra  
good Canyon, course Westwardly
- 56.50 Dry creek 30 lbs wide, course N.  
Westwardly.
- 59.50 Cross canyon and ascend
- 60.50 Top of ridge, bars Eastwardly and Westwardly
- 61.00 Descend
- 62.00 Foot of descent
- 65.50 Dry wash 10 lbs wide, course Westwardly  
and ascend
- 66.00 Top, bars Eastwardly and Westwardly
- 68.00 Descend
- 73.50 Foot, dry wash 10 lbs wide, course  
N. Westwardly
- 74.50 Ascend
- 75.50 Top
- 79.00 Descend
- 80.00 Foot, fully 5 lbs wide, course, Westwardly.

28  
 Extension of Bureau Postal Private Land Grant - Continued  
 Chain

Completion of Fifth Mile.

Set a granite stone  $24 \times 12 \times 10$  ins, 18 ins  
 in the ground, for 5 mile end, marked  
 PL on E, B V G on W, and 5 M on  
 S faces, from which an oak 10 ins  
 diam, bears  $S 46^{\circ} W$ , 25 lbs dist, marked  
 B V G, 5 M, B. 7; no other trees  
 within limit, and raised a mound of  
 stones 2 ft base,  $1\frac{1}{2}$  ft high. W of end  
 pits impracticable.

Land, mountainous, gently rolling and  
 level.

Soil, sandy, gravelly and stony, 1<sup>st</sup>, 2<sup>nd</sup>  
 and 3<sup>rd</sup> rates.

Timber, oak; underground, oak, and  
 yucca

Mountainous land, 61.00 chs.

$S 6^{\circ} 20' E$  on Sixth Mile

Extremity of Round Vista Private Land Grant - continued  
 Chain

- Over mountainous land,  
 through scattering oak timber.
- Ascending
- 1.00 Top of ridge, bears Eastward and  
 Westward
- 2.50 Descend
- 3.00 Go to, and enter S. fork of Sadragea  
 Canyon, course N. Westward
- 6.30 Day make 30 lbs wide, course N.  
 Westward
- 7.00 Cross canyon, and ascend
- 12.00 Top of ridge, bears Eastward and Westward
- 15.16 Intersect International Boundary  
 Line between the United States  
 and Republic of Mexico at a point  
 from which Boundary Monument  
 No. 116, bears E, 52.90 lbs dist.  
 Set a granite stone 24 x 12 x 8 ins, 18  
 ins in the ground, for angle corner

Exteriors of General Post Office Land Grant - continued  
 claims

No. 2 and S. E. cor of grant, marked  
 Δ 2 on top, S. E. COR. B V G on N. W. P. L  
 on N. E. and M. E. X on S. face, from  
 which run oak 10 ins diam, bears  $73^{\circ}$  E,  
 210 lbs dist, marked S. E. COR. B V G, B 7.  
 An oak 10 ins diam, bears  $74^{\circ}$  W, 284  
 lbs dist, marked S. E. COR. B V G,  
 B 7; dig pits  $29 \times 24 \times 12$  ins,  $7^{\circ}$  and  
 $29^{\circ}$  W of stone, 4 ft dist, and raise  
 a mound of earth 4 ft base,  
 2 ft high, N. W. of cor.

Shiner Burn West (on 6<sup>th</sup> Mile)

7.84 Ascend

23.87 Wire fence bears Northwly

24.84 Set a granite stone  $26 \times 8 \times 8$  ins, 20 ins  
 in the ground, for  $5\frac{1}{2}$  mile cor, marked  
 B V G on N, M E X on S face, and  
 $5\frac{1}{2}$  M on W face; dig pits  $36 \times 36 \times 12$   
 ins, E. and W. of stone, 8 ft dist, and

Extremes of Anna Vista Private Land Grant - continued  
Chains

raise a mound of stone and earth  
5½ ft base, 2½ ft high, N of cor  
30.84 Top of ridge, bears N. Westward and  
S. Eastward, and descend

40.84 Foot, bears scattering oak and other  
gritty rolling land

64.84 completion of Sixth mile

Set a granite stone 24 x 18 x 12 ins, 18 ins  
in the ground, for 6 mile cor.  
marked B V I on N, M E X on S  
and 6 M on W faces; dig pits  
24 x 24 x 12 ins E and W of stone  
4 ft dist, and raise a mound of  
earth 4 ft base, 2 ft high, N of  
cor

Land, gritty rolling and mountainous  
Soil, sandy and gravelly, 2nd and  
3rd rates

Timber, scattering oak; undergrowth

Extensions of Bureau Vista Private Land Grant - Continued  
Chains

ginceal  
Mountainous land 44.16 chs

West on Seventh Mile.

Over gently rolling land

40.00 Set a granite stone 20 x 10 x 8 ins, 14 ins  
ins in the ground, for 6 1/2 mile cor.  
marked B V E on N, MEX on S and  
6 1/2 M on W face; dig pits 24 x 24 x 10  
ins, E and W of stone, and raise a  
mound of earth 4 ft base 2 ft  
high, N of cor.

40.66 Wire fence, bears Northwaly

50.00 Enter scattering oak timber

62.00 Ascend

64.00 Top of ascent

68.00 Descend

69.50 Draw, 1 ch wide, course S. Westwaly



Extensions of Bureau Vista Private Land Grant - Continued  
 Chains

71.00 Ascend

74.00 Top of ridge, bears N. and S.

76.00 Descend

78.00 Part, dry wash, 8 lbs wide, course S.  
 Westward

79.00 Ascend

80.00 Completion of Seventh Mile.

Set a granite stone 20 x 12 x 10 ins, 14 ins  
 in the ground, for 7 mile, cor, marked

B V G on N. M. E. on S. and

7 M. on W. face, from which a

an oak 7 ins diam, bears N  $5^{\circ} 8'$ ,  $23\frac{1}{2}$

lbs dist, marked B V G, 7 M, B. 7'

An oak, 7 ins diam, bears N  $40\frac{1}{2}^{\circ} E$ ,

22 lbs dist, marked B V G, 7 M, B. 7'

and raise a mound of stone 2 ft

base,  $1\frac{1}{2}$  ft high N. of cor.

Ground, gently rolling and mountainous

Soil, gravelly, red and red water.

Extensive of Bernal Vista Private Land Cont-Continued  
 Chains

Timber, scattering oak; undergrowth,  
 yucca.

Mountainous land 17.00 chs.

West on Eighth Mile.

Over mountainous land

Ascending.

1.00 Top

1.30 Descend

3.10 Top of small round Knoll

4.00 Foot and ascend

8.31 Top of ridge, bars N. and S. Interna-  
 tional Boundary Monument No. 117;

Wire fence, bars E. N. Easterly and W.  
 S. Westerly

9.00 Descend

9.80 Foot, and ascend

14.50 Top of ridge, bars N. and S.

15.00 Descend.

Extension of Puma Vista Private Land Grant - Continued

Chains

- 18.00 Foot of ridge
- 19.80 Dry wash 10 lks wide, course S.  
Westerly
- 20.00 Ascend E slope of ridge
- 23.00 Pop. bars N. Easterly and S. Westerly
- 28.00 Descend
- 30.50 Foot. dry wash 10 lks wide, course S.  
Westerly and ascend
- 35.00 Pop. bars N and S.
- 36.00 Descend abruptly 30 ft
- 37.00 Foot. gully 10 lks wide, course Southly  
and ascend steep bank 30 ft high
- 38.00 Pop.
- 40.00 Set of monuments 20 x 10 x 7 ins, 14 ins in  
the ground, for  $7\frac{1}{2}$  mile cor, marked  
R V G on N. MEX on S, and  
 $7\frac{1}{2}$  M on W. faced from which an  
only 7 ins diam, bears S  $23\frac{1}{4}^{\circ}$  W, 215  
lks dist, marked R V G,  $7\frac{1}{2}$  M, B. 7.

Extension of Bernal Vista Private Land Grant - Continued  
 Chumis

- In valley 7 mi drain, bears N 20<sup>o</sup> E. W. 137  
 lbs. dist, marked B V S, 1/2 M, B. T.;  
 from this point Baldy peak, Santa  
 Rita mountains, bears N 2<sup>o</sup> W, and  
 descend
- 41.00 Port; gully 5 lbs wide, course S.  
 Westerly, and ascend
- 42.00 Top of ridge, bears N. Easterly and S.  
 Westerly. Turned along N. E. slope
- 43.60 Wire fence, bears N. Easterly and S.  
 Westerly
- 43.90 Trail (Lins Piders) bears N. Easterly  
 and S. Westerly
- 49.00 Descend
- 51.80 Port
- 52.00 Ascend
- 53.50 Pop and descend
- 54.00 Port and ascend
- 55.50 Pop and descend

Exteriors of Puma Vista Private Land Grant - Continued

Chains

56.05 Foot; gently, 5 lbs wide, course Northwly

59.00 Pop

60.00 Descend

61.80 Foot; dry wash, 10 lbs wide, course S. Westerly, and ascend

64.00 Pop, and descend

66.30 Foot, dry wash, 10 lbs wide, course S. Westerly, and ascend

68.00 Pop of ridge, bars N. and S. and descend

70.50 Foot, dry wash, 10 lbs wide, course Northwly, and ascend N.E. slope of high ridge

80.00 Completion of Eighth Mile.

Set a sandstone 24 x 14 x 10 ins, 18 ins in the ground, for 8 mile cor, marked B V G on N. MEX on S. and 8 M on W faces, from which an oak 10 ins diam, bears N 14° E, 50 lbs dist

58  
 Extremis of Round Vista Santa Cruz Sand Grant - Continued  
 Chains

marked B V G. 8 M. B. T.

An oak 10 ins diam, bears S. 88° E

104 lbs dist, marked B V G. 8 M. B. T.

No other trees in limits.

and raise a mound of stone 2 ft base,

1 1/2 ft high, N of cor. Pits impract.

Land, mountainous

Soil, gravelly and stony, 2nd and  
 4th rates

Timber, scattering oak

Mountainous land 8,000 chs.

Post on Ninth Mile.

Over mountainous land

Ascending

6.00 Top of ridge, bears N. Westly and S.

Easterly

8.00 Descend

19.00 Wire fence, bears Northely

20.00 Post and enter Santa Cruz valley, course

BOOK 181  
Extremes of Bernal Vista Private Land Grant (Continued)  
Chains

Northerly

Set a granite stone 24 x 18 x 10 ins, 18 ins  
in the ground, for witness cor to angle  
cor No. 3, marked W. C., B V G on N,  
M. E. X on S faces, A 3 on top, and  
rings around of stone 2 ft base, 1 1/2 ft  
high, N of cor. Gate impracticable

20.18 Road to Bernal Vista, base N and S

21.16 International Boundary Monument No. 118,  
on which angle corner No. 3 falls.

From this monument I run S 89° 17' W  
(on North Mile.)

2.62 Cor W on fence, base 20 lbs N.

3.64 Enters bed Santa Cruz river, course  
Northerly.

6.84 Santa Cruz river, 80 lbs wide, course  
Northerly

8.89 Torrey river bed

18.84 Set a granite stone 20 x 10 x 8 ins, 14 ins

Exterior of Burma Vesta Private Land Grant - Continued

Chains

in the ground, for 8 1/2 mile cov.  
marked B V S on N, MEX on S  
and 8 1/2 M on W. ferals, and raises  
a mound of stone 2 ft base, 1 1/2 ft high,  
N of cov. Rts impracticable.

21.46 Wire fence, bars Northw. Brickwood  
ranch house and corral, bar 15 chs N.

21.84 Cross Santa Cruz valley and ascend  
and enter scattering mesquite

28.84 Cross scattering mesquite

37.84 Top of ridge bars N. Eastwly and  
S. Westwly

38.34 Descend

41.14 Foot; gully 10 lks wide, course N.  
Eastwly and ascend E. slope of ridge

46.84 Top, bars N and S

47.84 Descend

49.93 A granite stone set for closing  
cov of each section



Stations of Bureau Field Private Land Grant - Continued  
 Champs

19 and 24, Sp 24 S, Rs 14 and 15 E,  
 marked with ~~set~~ ~~stones~~. No des-  
 cribed by the surveyor general

63.84 Foot gully 10 lbs wide, course North  
 and across E slope of ridge.

58.84 Completion of North Mile.

Set a granite stone 24 x 12 x 10 ins, 18  
 ins in the ground, for 9 mile cor,  
 marked B V S on N, M E X on S  
 and 9 M on W face, and raise  
 a mound of stone 2 ft base, 1 1/2 ft  
 high, N of cor. Sets impracticable!  
 Land, mountainous and level  
 Soil, sandy loam and gravelly, 1<sup>st</sup>  
 2<sup>nd</sup> and 3<sup>rd</sup> rates.

Timber, scattering oak; undergrowth

Extremity of Puma Vista Private Land Grant - Continued  
Chaus

- mesquite  
 Mountainous land, 78.00 chs  
 December 29, 1901
- S 89° 17' W. on Smith Mts.  
 Over mountainous land  
 Ascending.
- 2.50 Top of ridge, bears Northw. and  
 Southw.
- 3.00 Descend
- 7.30 Foot and into canyon, course N.  
 Easterly.
- Old stone cabin bears 2 chs W.
- 8.80 Remains old cabin on line
- 9.40 Top of rocky ledge
- 9.50 Descend abruptly 30 ft
- 9.70 Dry wash 20 chs wide, course N. Easterly
- 10.00 Ascend E slope ridge and enter scattering  
 oak and yucca

Extremities of Bureau Vista Private Land Grant - Continued  
Chains

19.00 Top of ridge, bears N. and S.  
20.00 Descend  
22.70 Foot, fully 10 lbs wide, course Northwesterly  
and ascend

23.24 S. W. cor of grant

Set a granite stone  $24 \times 14 \times 10$  ins, 18  
ins in the ground, for S. W. cor of  
grant and angle cor No. 4, marked  
 $\Delta$  4 on top, S. W. COR, 13 V 5 on N. E. end  
PL on W. face

M. E. X. on S. W. end from which an oak  
8 ins diam, bears N.  $42^\circ$  E, 130 lbs  
dist, marked S. W. COR, 13 V 5, 13 7

An oak 8 ins diam, bears N.  $26^\circ$  W, 138  
lbs dist, marked S. W. COR, 13 V 5.

No. other trees in vicinity  
13. 7. and raise a mound of  
stone 2 ft base,  $1\frac{1}{2}$  ft high  
of cor. to be impracticable.

Plomer N.  $6^\circ$  20' W (on 10<sup>th</sup> Mile)  
Descending

Extensio of Bureau Vista Private Land Grant - Continued  
 Blunns

.64 Intersect section line bet sses 13 and

24. Sp 24 S, B 14 E, at a point

$N 32.20^{\circ}$  chs. dist.

$E 89^{\circ} 45'$  from cor of sses 13, 14, 19

and 24. At this point B

Set a granite stone  $18 \times 8 \times 8$  ins, 12 ins  
 in the ground, for closing cor of sses

13 and 24, marked C C on N, B V 8  
 on E, 13 on N and 24 on S faces

and raise a mound of stone 2 ft base  
 $1\frac{1}{2}$  ft high, W of cor. This imprac-  
 ticable.

9.26 Port and enter draw, course N. Easterly

10.26 Dry creek 80 lks wide, course Easterly

13.57 Road, bears Easterly and Westerly

18.76 Large draw, ascend and enter seat  
 being mesquite undergrowth

16.76 Set a granite stone  $24 \times 12 \times 8$  ins, 18 ins  
 in the ground, for  $9\frac{1}{2}$  mile cor.

marked P L on N, B V 8 on E and

- Extensio of Rivna Vista Trinita Land Grant - Continued
- Chains
- 9 $\frac{1}{2}$  M on N. face; dig pits 24 x 24 x 12  
ins N and S of stone, and raise  
a mound of earth 4 ft base 2 ft  
high E of cov.
- 20.76 Grad scattering underground and  
ascend surface
- 22.76 Top of ridge, bears N. Westwly and  
S. Easterly
- 23.26 Descend
- 23.76 Post
- 28.26 Ascend
- 30.76 Top of ascent.
- 31.26 Descend
- 32.66 Trail to Nogales, bears Easterly and  
Westwly
- 33.51 Post and ascend
- 36.76 Post
- 37.76 Ascend
- 38.51 Post and descend

Extremis of Bureau Vista Private Land Grant - Central

- 40.26 Top, and descend
- 42.56 Foot and ascend
- 43.76 Top
- 45.76 Descend
- 48.26 Foot; dry wash 10 lbs wide, course  
S. S. easterly and ascend
- 56.76 Competition of North Hill.
- Set a granite stone 20 x 10 x 6 ins, 14 ins  
in the ground, for 10 miles east,  
marked PL on W, B V B on E  
and 10 M on N face, from which  
run out 12 ins chains, bears S 26° W, 330
- This dist, marked B V B 10 M, B. 7.  
no other trees in vicinity  
and raised a mound of stone 2 ft base,  
1½ ft high, E of cor. pits impractic-  
able.
- Land, mountainous
- Soil, gravelly and stony, and sand  
and water.

Extremes of Bernal's Private Land Grant - Continued

Timber scattering oak; undergrowth  
mesquite

Mountainous land, 7000 chs

December 30, 1901.

N 6° 20' W, on Elvornth Mts.

Over mountainous land

Ascending along S. W. slope of stony  
ridge.

14.00 Top of ridge, bears Eastward <sup>2</sup>/<sub>3</sub> of Westward.

14.30 Disced

16.20 Road to Nogales, bears Eastward and  
Westward

22.20 Post, dry wash, 30 lbs wide, course  
Eastward and ascend

24.90 Intersect section line bet sees 12 and  
13, N 24 S, R 14 E, at a point from  
which  $\frac{1}{4}$  sec cor bears S 89° 50' E, 78 lbs  
dist.

48  
 Exterior of Bernal Mts. Private Land Grant - Continued

Set a granite stone  $20 \times 14 \times 8$  ins, 11 ins in the ground, for closing cor of fuel cars 12 and 13, marked C C on W, B V S on E, 12 on N, and 13 on S. faces and raise a mound of stone 2 ft base,  $1\frac{1}{2}$  ft high, W of cor. Pits impracticable.

28.11 Reliphyma line from Nogales to Washington Camp, bars Easterly and Westerly.

39.00 Top of ridge, bars N Westerly and S Easterly, thence along E slope.

40.00 Set a granite stone  $24 \times 14 \times 8$  ins, 18 ins in the ground, for  $10\frac{1}{2}$  mile cor, marked P L on W, B V S on E, and  $10\frac{1}{2}$  M on N. faces, and raise a mound of stone 2 ft base,  $1\frac{1}{2}$  ft high, W of cor. Pits impracticable.

41.49 Wire fence, bars E. and W.



Excursions of Penna. Geol. Com. Land Grant - Continued

- 49.00 Descend
- 54.20 Foot, gully 5 lbs wide, course N. Easterly  
and ascend
- 57.00 Top
- 58.00 Descend
- 64.00 Foot, gully 10 lbs wide, course S.  
Easterly and ascend.
- 70.00 Top of ridge, bars Easterly and  
Westerly. Trail, bars N. Westerly and  
S. Easterly
- 70.75 <sup>Foot</sup> Descend
- 78.70 Dry wash, 15 lbs wide, course S. Easterly
- 79.00 Ascend S. W. slope of high ridge
- 80.00 Completion of Elmuth Mills.
- Set a granite stone 24 x 14 x 6 ins, 18 ins  
in the ground, for 11 miles out, marked  
PL on W, BV E on E and 11 M on  
N faces, from which an oak 18 ins  
diam, bars S 3° E, 124 lbs dist, marked

Extensions of Bureau Viola Private Land Grant - Continued

Chains

B.V.G., 11 M., B.T.

An oak 12 ins diam, bears S  $31\frac{1}{2}^{\circ}$  E, 181  
lbs dist, marked B.V.G., 11 M., B.T.  
and raised a mound of stone 2 ft base,  
 $1\frac{1}{2}$  ft high, W of cor. Pitts impracticable  
cable

Land, mountainous

Soil, gravelly and stony, and under  
4<sup>th</sup> water.

Timber, scattering oak; undergrowth,  
mesquite.

Mountainous land, 8000 lbs

N  $6^{\circ} 20'$  W, on length Mile.

Over mountainous land.

Ascending.

10.00 Top of ridge, bears N. Westerly and S.  
Easterly

10.50 Descend along N.E. slope

Survey of Barro Colorado Granite Band Contour

Chains

19.00 Root and ascend S. slope

22.00 N. W. cor grant

Set a granite stone  $28 \times 15 \times 12$  ins, 22 ins  
in the ground, for N. W. cor of grant  
and angle cor No. 5, marked PL on  
N. W. BV & on S. E. face, and a S.  
N. W. COR on top, from which can  
take 14 ins chain, bears  $S 17\frac{1}{2}^{\circ} E 315$

the dist marked N. W. COR 13.5, 13.7,  
Cor. to Trs. 83 and 84 of B. 14 and 15 E. bear  
 $N 30^{\circ} 26' E 97.88$  chs. dist.  
and raise a mound of stone 2 ft diam

$1\frac{1}{2}$  ft high S. E. of cor. bits impracticable.  
From this point Mascarnes

bears in Serra, bear  $S 30\frac{3}{4}^{\circ} E$ ,

Plumet,  $83^{\circ} 40' E$ . (on 12<sup>th</sup> mile)

Descending along S. slope of ridge

7.00 Descend steeply

18.00 Set a granite stone  $20 \times 12 \times 6$  ins, 14 ins  
in the ground, for  $11\frac{1}{2}$  mile cor, marked  
PL on N. BV & on S. and  $11\frac{1}{2}$  M on E.

Extensions of Bureau of Land Grant (Continued)

chains

fares, from which an oak 10 ins diam,  
bears S  $71^{\circ}$  E, 92 lks dist, marked  
B V & 11½ M, B 17.

X

An oak 10 ins diam, bears S  $89^{\circ}$  W, 160  
lks dist, marked B V & 11½ M, B 5?  
No other trees within limits  
and near a mound of stones 2 ft  
base, 1½ ft high of cor. pits  
impracticable.

19.50 Foot; gully 10 lks wide, course S.  
Easterly and ascend.

21.00 Popl and descend along S slope ridge

45.00 Foot; dry wash 30 lks wide, course N.  
Easterly, thence along S bank of wash

49.75 Intersect E Bdy of Sec 24 S, R 14 E, at a  
point 1 ch N of cor of sec 1, 6, 7, and  
12.

Set a sundstone 18 x 8 x 6 ins, 12 ins  
in the ground, for closing cor of sec  
1, and 12, marked C C on N, B V &

Extent of Bureau Vista Tract Land Grant - Continued

Chain

on E, 1 on N and 12 on S faces  
from which an oak, 6 ins diam, bears  
N 45° E, 45 lbs dist, marked T. 24 S.

R. 15 E. S. 6 B. T

An oak 7 ins diam, bears N 38½° W, 30  
lbs dist, marked T. 24 S. R. 14 E. S. 1. B. T and  
raise a mound of stone 2 ft base,  
1½ ft high, N of cor. Pits in tract.

51.00 Ascend

52.50 Descend

54.20 Foot dry wash, 40 lbs wide, course  
Northwaly

56.30 Ascend

58.00 Completion of Eighth Mile.

Set a granite stone 24 x 12 x 6 ins, 18 ins  
in the ground, for 12 mile cor,  
marked N 4, on N. B. V. S. on S. and  
12 M. on E faces, from which an oak  
8 ins diam, bears N 34° E, 16 lbs dist.

54  
 Extensions of Bureau Vista Private Land Grant - (Continued)  
 blunier

marked BV 8, 12 M, B. 7.

An oak 10 ins diam, bears S 90° E, 148

lbs dist, marked BV 8, 12 M, B. 7.

An oak 10 ins diam, bears S 85° W, 75-

lbs dist, marked BV 8, 12 M, B. 7.

An oak 6 ins diam, bears N 67° W, 80

lbs dist, marked BV 8, 12 M, B. 7.

Land, mountainous.

Soil, gravelly, 2nd and 3rd rate.

Timber, scattering oak, undergrowth,  
 mosquito.

Mountainous land 8000 lbs.

N 83° 40' E, on Northwest Mch.

Over mountainous land.

Ascending

1.80 Pop and descend

2.30 Foot, gully 50 lbs wide, course N.

Westerly, and ascend.

Extremes of Bismarck Plateau Granite Land Grant - Continued

- |       |   |
|-------|---|
| Chain |   |
| 2.90  | Top and descend.  |
| 4.10  | Enter gulch, course N. Westwardly   |
| 9.10  | Leave gulch   |
| 12.20 | Ascend  |
| 21.00 | Top of ridge, bears Northwardly and Southwardly   |
| 23.00 | Descend   |
| 29.00 | Foot of gully 10 lbs wide, course N. Eastwardly   |
| 35.00 | Ascend  |
| 36.25 | Top of ridge, bears N. Eastwardly and S. Westwardly, and descend.   |
| 40.00 | This point for 12 1/2 miles cor falls on granite boulder in place, 28 x 20 x 12 ins above ground on which<br>Set a cross (X) at the exact point for 12 1/2 M cor, marked PL on N, BV & on S and 12 1/2 M on E sides of cross, and raise a mound of stone 3 ft base, 2 ft high, N of cor. Pits intractable x |

Extremities of Buena Vista Grants Land Grant - continued

46.50 Initial Monument, the place of  
beginning of extreme boundary  
Land, mountainous.

Soil, gravelly and stony, sand and red  
patos

Timber, a few mesquites and oak.

Mountainous land. 46.50 Chas.

December 31, 1901

General Description

The eastern portion of this grant is  
mostly gently rolling land, with an  
upward slope to the Patagonia  
mountain. It is covered with a good  
growth of grass suitable for grazing  
and has some fine oak timber.

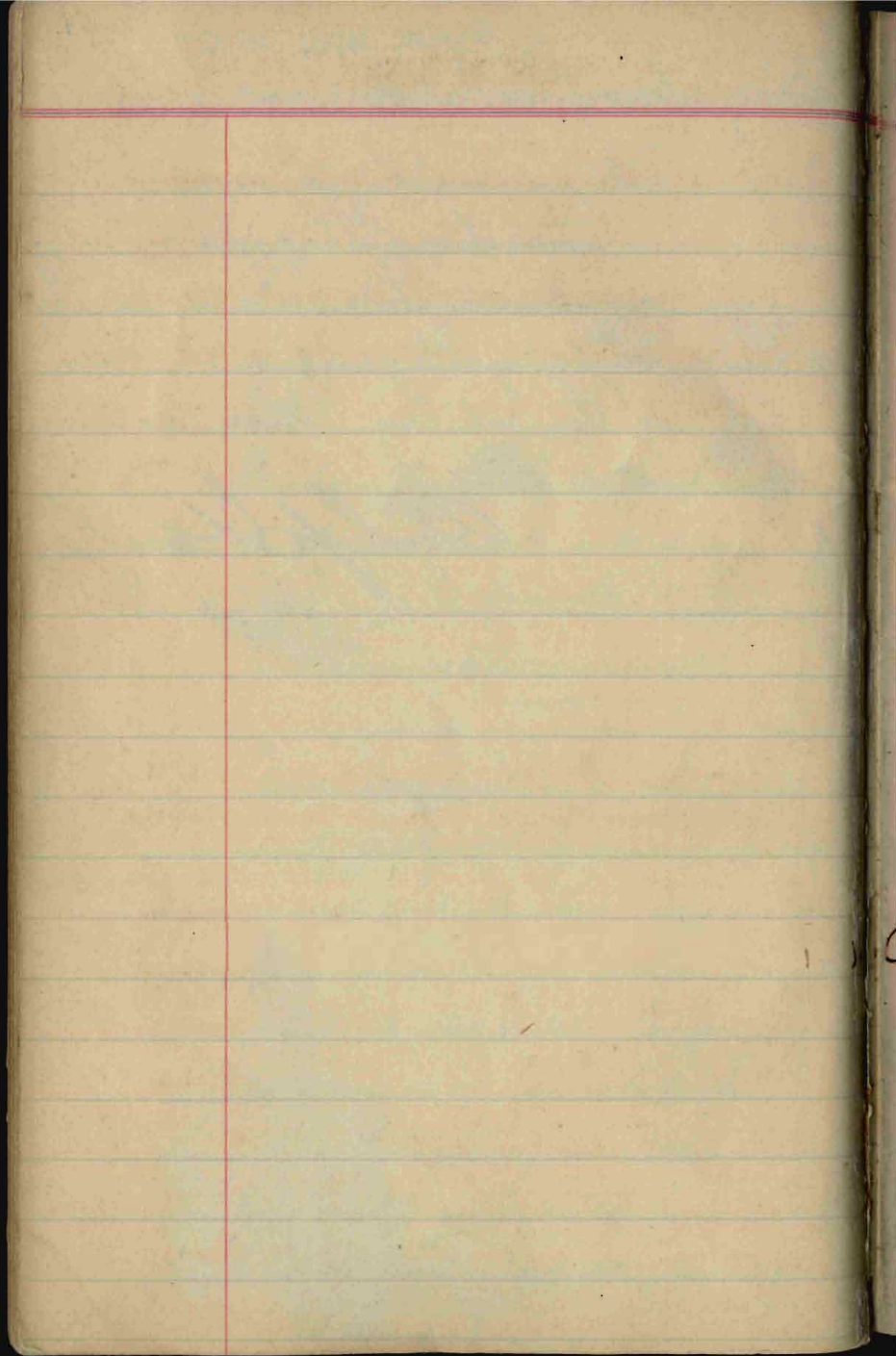
The Santa Cruz river runs through  
the middle of the grant from south  
to north. There is some good agri-



Extent of Barro Vista Private Land Grant - concluded

cultural land along the river. The western portion of the grant is mostly mountainous. There are a number of settlers in the grant, in the valley of the Santa Cruz. Mean Variation  $12^{\circ}30' E$ .

Philip Couzer  
U. S. Deputy Surveyor.



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 survey of the *exterior*

*boundaries of the Maria Santisima del Carmen alias Buena Vista Private Land Grant situated in Santa Cruz County*

~~of the Gila and Salt River Base and Meridian~~, in the Territory of Arizona, showing the respective capacities in which they acted.

*John M. Trayer* Chainman.

*W. W. Miller* Chainman.

..... Chainman.

..... Chainman

*C. R. Barthelmy* Axeman.

..... Axeman.

*Walter J. Percival* Flagman.

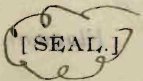
BOOK 1751  
Final Oath of Assistants.

We hereby certify that we assisted *Philip Contzen* U. S. Deputy Surveyor, in surveying all those parts or portions of the *exterior boundaries of the Maria Santissima del Carmen alias Buena Vista Private Land Grant situated in Santa Cruz County* 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. Pugh* Chainman.
- Wm. Miller* Chainman.
- ..... Chainman.
- ..... Chainman.
- R. R. Barthelmy* Axeman.
- ..... Axeman.
- Walter J. Percival* Flagman.

Sworn and subscribed before me, this *10<sup>th</sup>* day of *January* 190*2*

*Philip Contzen*  
Notary Public.  
U. S. Deputy Surveyor  
No notary available



## Final Oath of U. S. Deputy Surveyor.

I, *Philip Conzen*.....

U. S. Deputy Surveyor, do solemnly swear that in pursuance of a contract received from... *George Christ*

United States Surveyor General for Arizona, bearing date of the... *12<sup>th</sup>*... day of *June*... 1901.,

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, surveyed all those parts or portions of the... *exterior*

*boundaries*... of... the *Maria Santissima del Carmen* alias *Buena Vista* Private Land of Grant situated in... *Santa Cruz* County

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

5' u'

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

Philip C. ...  
U. S. Deputy Surveyor

Sworn to and subscribed before me this 30<sup>th</sup> .....

day of January ..... 1902.

Clinton W. Hooper,  
Clerk District Court  
First Judicial District  
of Arizona.



LINE DESIGNATED	TRUE BEARING	DISTANCE	LATITUDES		DEPARTURES	
			N	S	E	W
NORTH BOUNDARY	N 83° 40' E	326.05	35.90 35.96		.10 324.03	
EAST	S 6° 20' E	193.61		192.41 <sup>57</sup>	21.35 <sup>38</sup>	
SOUTH	WEST	246.00			246.00 <sup>245.95</sup>	
SOUTH	S 89° 17' W	82.08		1.03 1.02	82.07 <sup>104</sup>	
WEST	N 6° 20' W	158.76	152.70 157.77		17.51 <sup>49</sup>	
TOTALS			193.60 193.73	193.60 193.43	.48 345.38	.48 345.58
ERROR IN LAT			193.43			345.38
			.30	ERROR IN DEP.		.20

324.10  
669.58  
145.01  
117.02  
17.49

Area

5733.41

area

128941.02  
120.3  
12906.56  
14093.36  
3.20

11635.19  
2758.17  
14393.36

## A P P R O V A L .

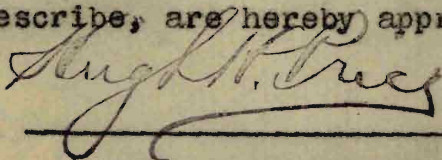
Office of the

United States Surveyor General.

Phoenix, Arizona, July 25-1902

The foregoing field notes of the survey of the Exterior boundaries of the Maria Santissima del Carmen, alias Buena Vista Private Land Grant ~~of the Gila and Salt River Base and Meridian~~, in the Territory of Arizona,

Executed by Philip Boutzen, United States Deputy Surveyor, under his contract No. 85, dated June 12 1901, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.



U. S. Surveyor General.