

1976

BOOK 1976

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FIELD NOTES

GENERAL LAND OFFICE.

*SANTA CRUZ GUIDE MERIDIAN
THROUGH THE
PAPAGO INDIAN RESERVATION*

1976

Field Notes

of the survey of the
Santa Cruz Guide Meridian
through

Ranges 12 & 13. East

Townships 15 & 16. South

of the

Principal Base Meridian
in the

Territory of Arizona

as surveyed by

L. D. Hillson

U. S. Deputy Surveyor.

Under his contract No 8.

Dated Nov 30th 1887

Survey commenced Jan 7th 1888

Survey completed Jan 7th 1888

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T. 15 S.

25. 2 30

36 1. 31

12 E.

T. 16 S.

R. 13 E.

1 4 6

12 7. 7

13 9. 18

24 12 19

25 15 30

On the night of January 6th 1888 I took an observation on the star Polaris in accordance with instructions contained in the Manual of Surveys and drove pickets on the line thus established. Survey commenced Jan'y 7th 1888, with a Gurley Solar Transit.

Before commencing this survey I test my compass on the line established last night and find it correct.

Santa Cruz Guide Meridian

Beginning at the Standard Cor.
to Tps. 15 S. R's 12. & 13. E. previously
established by me Town N.
between Secs. 31. & 36

Var. $13^{\circ} 10' E.$

Over the S.W. end of Black
Mountain

- 20.00 Set a Stone $12 \times 14 \times 16$ ins, 10 ins,
in the ground for $\frac{1}{16}$ Sec. Cor.
Marked $\frac{1}{16}$ S. on W. face and
raised a mound of stone
alongside, Pits impracticable
- 26.50 Summit of ridge & descend
- 40.00 Set a Stone $12 \times 14 \times 16$ ins, 10 ins,
in the ground for $\frac{1}{4}$ Sec. Cor
Marked $\frac{1}{4}$ S. on W. face and raised
a mound of stone alongside
Pits impracticable
- 46.00 Small Basin
- 60.00 Set a Stone $12 \times 14 \times 16$ ins, 10 ins,

through R's. 12 + 13. E

in the ground for $\frac{1}{16}$ Sec. Con.
Marked $\frac{1}{16}$ S. on N. face, and
raised a mound of Stone along-
side. Rits impracticable, and
Ascend

64.00 Summit and descend

80.00 Set a Stone $16 \times 18 \times 14$ ins. 10 ins. in
the ground for Con to Secs. 25, 30
31. + 36. Marked with 1 notch on
S. and 5 notches on N. edges
and raised a mound of
stone alongside, Rits im-
practicable

Land Mountainous and
worthless

No Timber, Some Brush.

Thence N. between Secs. 25. + 30.
Var. $13^{\circ} 10'$ E.

Santa Cruz Guide Meridian

Descending

- 20.00 Set a Stone 12x14x16 ins. 10 ins.
in the ground for $\frac{1}{16}$ Sec. Cor.
Marked $\frac{1}{16}$ S. on W. face, and
raised a mound of stone
alongside. Pits impracticable
- 40.00 Set a Stone 12x14x16 ins. 10 ins.
in the ground for $\frac{1}{4}$ Sec. Cor.
Marked $\frac{1}{4}$ S. on W. face, and
raised a mound of stone
alongside. Pits impracticable
- 42.56 Base of Mountain
- 60.00 Set Stone 12x14x16 ins. 10 ins.
in the ground for $\frac{1}{16}$ Sec. Cor.
Marked $\frac{1}{16}$ S. on W. face, and
raised a mound of stone
alongside. Pits impracticable
- 80.00 Set a Post 4ft. long 4 ins. $\frac{1}{2}$ g
12 ins. in the ground with
Charred Stake for Cor. to Sec.

through R's 12 + 13 E.

19.24.25. + 30. marked

P. 15. S. S. 19, on N.E.

R. 13 E. S. 30. P. R. on S.E.

R. 12, E. S. 25. on S.W. and

S. 24. on N.W. faces with 2 notches
on S. and 4 notches on N. edges,
dug pits 18x18x12. ins. in each
Sec. 5 1/2 ft. dist. and raised a

mound of earth 2 ft. high
4 1/2 ft. base around Post.

Soil Broken + 3rd rate

No Timber, Greenwood Bush etc.

Thence from Standard Cor. to Nrs. 15.
S. R's. 12. + 13. E. as previously
described by me. I run S.
between Secs. 1. + 6.

Var 13° 10' E.

11.00 Summit of ridge and descend

Santa Cruz Guide Meridian

20.00 Set Malpais Stone 14x18x12 ins.
10 ins. in the ground for $\frac{1}{16}$
Sec. Cor. Marked $\frac{1}{16}$ S. on W
face and raised a mound
of stone along side. Pits
impracticable

28.00 Foot of Mountain

46.00 Set a Post 3ft. long 3 ins sq.
12 ins. in the ground, with
Charred stake for $\frac{1}{4}$ Sec. Cor.
Marked $\frac{1}{4}$ S. on W. face, dug
pits 18x18x12 ins N. & S of Post
5 $\frac{1}{2}$ ft dist. and raised a
mound of earth 1 $\frac{1}{2}$ ft high
3 $\frac{1}{2}$ ft base around Post

60.00 Set a Post 3ft. long 3 ins. sq 12
ins. in the ground with charred
stake for $\frac{1}{16}$ Sec. Cor. Marked
 $\frac{1}{16}$ S. on W. face, dug pits
18x18x12 ins N. & S. of Post 5 $\frac{1}{2}$ ft.

Through R's 12 + 13. E

dist. and raised a mound
of Earth $1\frac{1}{2}$ ft high $2\frac{1}{2}$ ft
base around Post.

66,50 Road to Sierrita Mountains Course
N.E. + S.W.

8000 The old Sec. Cor. I set a Post 4 ft
long 4 ins. Sq. with charred
Stake 12 ins in the ground
for Cor. to Secs. 1, 6, 9, + 12.
Marked.

R. 16. S. S. 6. on N.E.

R. 13. E. S. 9. on S.E.

R 12 E. S. 12 on S.W. and

S. 1. on N.W. faces with 1 notch
on N. and 5 notches on S. Edges
dug pits $18 \times 18 \times 17$ ins in Each
Sec. $5\frac{1}{2}$ ft dist. and raised
a mound of earth 2 ft
high $4\frac{1}{2}$ ft. base around
Post.

Santa Cruz Guide Meridian

Sand 40 chs Mountainous and
Broken and 3rd Rate. 40 chs.
mostly level and 2nd Rate
Scattering trees. Paloverde Brush 80 chs
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Thence S. between Secs. 9 & 12  
Cor.  $13^{\circ} 10' E$ .

- 19.00 Dry Wash 50 chs. wide course NE
- 20.00 Set Post 3ft. long 3 ins Sq. 12 ins  
in the ground with a Charred  
Stake for  $\frac{1}{16}$  Sec. Cor. Marked  
 $\frac{1}{16}$  S. on W. face. dug pits  
18x18x12 ins. N. & S. of Post  $5\frac{1}{2}$   
ft. dist. and raised a mound  
of earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base  
around Post
- 40.00 Set Post 3ft. long 3 ins Sq. 12 ins.  
in the ground with Charred  
Stake for  $\frac{1}{16}$  Sec. Cor. Marked



# through R. 12. & 13. E.

$\frac{1}{4}$  Sec. W. face dug pits  $18 \times 18 \times 12$  ins. N. & S. of Post  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft. base around Post.

60.00 Set a Post 3 ft. long 3 ins sq. 12 ins - in the ground with charred stake for  $\frac{1}{16}$  Sec. Cor. Marked  $\frac{1}{16}$  S on W. face, dug pits  $18 \times 18 \times 12$  ins N & S of Post  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base around Post.

80.00 Set a Post 4 ft. long 4 ins sq 12 ins in the ground with Charred Stake for the Cor. to Sec's, 7, 13, 13. & 18. Marked  
 T. 16 S. S. 9 on N.E.  
 R. 13. E. S. 18. on S.E.  
 R. 12. E. S. 13. on S.W. and

## Santa Cruz Guide Meridians

S. 12. on N.W. faces. with 4 Notches  
 on S. and 2 Notches on N. Edges  
 dug pits 18x18x12 ins in Each  
 Sec. 5 1/2 ft dist and raised a  
 mound of Earth 2 ft high  
 4 1/2 ft base around Post.  
 Level level and 2<sup>nd</sup> Rate  
 Scattering trees  
 Palo Verde Brush 80. Chs.  
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Thru S. between Secs. 13. & 18.
 (Var. 13' 08' E.

2000 Set a Post 2 ft. long 2 ins Sq with
 a charred stake 12 ins. in the
 ground for 1/4 Sec. Cor. Marked
 1/4 S. on W. face dug pits 18x18
 x12 ins N. & S. of Post 5 1/2 ft.
 dist. and raised a mound
 of Earth 1 1/2 ft high by 3 1/2 ft.

Through R's 12 & 13 E

base around Post.

21.00 Road to San Xavier Miss. bro
N.E. & S.W.

27.50 Dry Wash 2 chs. wide course N.E.

37.00 Dry Wash 30 lks. wide Course N.E.

40.00 The Old $\frac{1}{4}$ Sec. Cor. I set a Post
3ft. long 3 ins Sq. with a charred
Stake 12 ins. in the ground
for $\frac{1}{4}$ Sec. Cor. Marked $\frac{1}{4}$ S.
on W. face. dug pits 18x18x12
ins. N. & S. of Post. 5 $\frac{1}{2}$ ft dist.
and raised a mound of earth
1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft base around
Post from which a mesquite
5 ins in diam bro S 45° W 25.
lks dist Marked $\frac{1}{4}$ S. B.P.

50.00 Dry Wash 50 lks wide Course N.E.

60.00 Set Post 3ft long 3 ins Sq. with
charred Stake 12 ins in the
ground for $\frac{1}{16}$ Sec. Cor.

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Marked $\frac{1}{16}$ S on W. face
 dug pits $18 \times 18 \times 12$ ins N. & S. of
 Post. $5\frac{1}{2}$ ft. dist. and raised
 a mound of Earth $1\frac{1}{2}$ ft
 high $3\frac{1}{2}$ ft base around
 Post. A Mesquite tree 5 ins
 in diam bears S. $31^{\circ} 30' E$.
 53 lk dist. Marked $\frac{1}{16}$ S.
 B. 9.

66.00 Dry Wash 15 lks wide Course
 N. E.

80.00 Set a Post 4 ft long 4 ins sq
 with charred stake 12 ins
 in the ground for the Cor
 of Sec's. 13, 18, 19, & 24. Marked
 P. 16 S. S. 18. on N. E.

R. 13 E. S. 19 on S E

R. 12 E. S. 24 on S W and

S. 13. on N W faces with 3
 notches on the S. and 3

Through R's 12. & 13. E.

notches on N. Edges. dug pits
18x18x12 ins in each Sec. 5 1/2
ft. dist and raised a mound
of Earth 2ft high 4 1/2ft base
around Post.

Land mostly level and 2nd rate
Scattering trees

Paloverde Brush so chi;

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Thence S. between Secs. 19. & 20.  
Var. 130 08' E.

2000 Set a Post 3ft. long 2 ins Sq,  
with charred stake 12 ins in  
the ground for 1/16 Sec, Cor.  
Marked 1/16 S on W. face, dug  
pits 18x18x12 in N.E. of Post  
5 1/2ft dist. and raised a mound  
of Earth 1 1/2ft high 3 1/2ft base  
around Post from which a

## Santa Cruz Guide Meridian

4 notches on N. and 2 notches  
 on S. edges. dug pits 18x18  
 x12 ins in each Sec 5 1/2 ft  
 dist. and raised a mound  
 of earth 2 ft high 4 1/2 ft  
 base around Post  
 Ground rolling with slope  
 to N.E.

Sand 2nd Rate

No Timber Scattering Trees  
 Palo Verde Brush 80, chs.

Thence S. between Secs. 25 & 30.

Var 150 08' E.

10.50 Dry Wash 1.20 Chs. wide Course N.E.

30.00 Set a Post 3 ft. long 3 ins. Sq. with  
 charred stake 12 ins. in the  
 ground for 1/16 Sec. Cor.  
 Marked 1/16 S. on W. face.



## Through Riv 12 &amp; 13 &amp;

dug pits 18x18x12 ins  $\frac{1}{4}$  S. of  
 of Post. 5  $\frac{1}{2}$  ft. dist. and raised  
 a mound of earth 1  $\frac{1}{2}$  ft  
 high 3  $\frac{1}{2}$  ft base around Post  
 from which a Baloverde 5 ins  
 in diam. br's S. 10° E. 13 lks.  
 dist. Marked  $\frac{1}{16}$  S. B. A.

50.00 The old  $\frac{1}{4}$  Sec. Cor. I set a Post  
 3ft long 3 ins Sq. with charred  
 stake 12 ins in the ground  
 for  $\frac{1}{4}$  Sec. Cor. Marked  $\frac{1}{4}$  S. on  
 W. face. dug pits 18x18x12 ins  
 $\frac{1}{4}$  S. of Post 5  $\frac{1}{2}$  ft dist. and  
 raised a mound of earth  
 1  $\frac{1}{2}$  ft high 3  $\frac{1}{2}$  ft base around  
 Post

66.00 Dry Wash 40 lks wide Course N.E.

70.00 Set a Post 3ft long 3 ins Sq with  
 charred stake 12 ins. in the  
 ground for  $\frac{1}{16}$  Sec Cor.

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Marked 1/6 S. on W face,  
dug pits 18x18x12 ins N & S of  
Post. 5 1/2 ft. dist. and raised  
a mound of Earth 1 1/2 ft high  
3 1/2 ft base around Post.

90 00 The old Sec. Cor. I set a Post  
4 ft long 4 ins sq. with a  
charred stake 12 ins in the  
ground for Cor. to Secs. 25.  
30. 31. & 36. Marked

T. 16. S. S. 30 on N.E.

R. 13. E. S. 31. on S.E.

R. 12. E. S. 36. on S.W. and

S. 25. on N.W. faces with 5  
notches on N. and 1 notch

on S. edges. dug pits 18x18  
x12 ins. in each Sec. 5 1/2 ft  
dist. and raised a mound  
of Earth 2 ft high 4 1/2 ft  
base around Post.

through R's 12 & 13. E.

Land rolling with a  
decided slope to N. E.

Soil 2<sup>nd</sup> Rate

Scattering trees

Paloverde Brush 80. chs.

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I. D. Hillson

U. S. Deputy Surveyor