

Rec'd Oct 22, 1890. No. 2.

Platted, & Copied. X BOOK 1213

Sent to Gen L. O. Dec 19, 1890

Approved by Gen'l  
General Land Office

Feb 25, 1891.

No. 1213

4-671-

No. 1213  
BOOK 1213

FIELD NOTES

~~GENERAL LAND OFFICE~~

Subdivision Lines

Frac Tr. S.S. R. 21. W.

Contract No 15.

James H. Martineau

Survey Commenced Sept 26/90

Survey Completed Oct 7, 1890

Preliminary Oaths of Assistants.

We Joseph R. Ochoa  
and Joseph Waininger

do solemnly swear that we will well and faithfully execute the  
duties of Chain Carriers; that we will level the chain over 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 length of all lines that we assist  
in measuring, to the best of our skill and ability and in accord-

ance with instructions given us in the survey of the <sup>exterior</sup>  
~~area~~ ~~of~~ ~~the~~ ~~fractional~~ Township 8 South  
Range 21 West of the Gila  
and Salt River Meridians

Territory of Arizona.

Joseph R. Ochoa Chainman.

Joe Waininger Chainman.

Subscribed and sworn to before me, this 14th

day of September 1890

*[Signature]*

Notary Public.

We *Francisco Amabilice* and  
*Antonio Contreras*

do solemnly swear that we will well and truly perform the  
duties of *Axe men*

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 *fractional Township*  
*8 South Range 21 West of*  
*the Gila & Salt River*  
*Meridian*

Territory of Arizona.

*Francisco Amabilice*  
*Antonio Contreras*

Subscribed and sworn to before me this *19th*  
day of *September* 188*9*

*[Signature]*  
Notary Public.

1B

Trac<sup>e</sup>

BOOK 1213

(4-674.)

Township 88

R. 21 W.

6	71	5	60	4	49	3	44	2	41	1
70		68		56			47			
			53							
7	66	8	17	9		10		11		12
65		61		15						
18	38	17	13	16		15		14		13
34		32		11						
19	30	20	9	21		22		23		24
28		27		7						
30	25	29	6	28		27		26		25
23		21		4						
31	20	32	2	33		34		35		36

6-389

No. 1213

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Field Notes of the  
 survey of the Subdivision  
 lines of Fractional  
 Township 8 S. Range 21 W.  
 of the  
 Gila & Salt River Meridian  
 Arizona Ter.  
 as surveyed by  
 James H. Martinian  
 U. S. Dep. Sur. u  
 under his contract <sup>no. 15</sup> dated  
 June 20<sup>th</sup> 1890.

Survey commenced Sept. 26. 1890  
 Survey completed October 4<sup>th</sup> 1890

## D Subdivision Lines of Tp.

Survey commenced Sept. 26<sup>th</sup> 1890 with a Young & Sons transit with solar attachments, the same used in running the exterior lines of this Township by me, which was tested by W. S. Edwards, Chf. Clk. in the Sur. Genl. Office, Tucson and found correct, just before I began this survey.

The variation having been taken on the night of Sept. 18 1890, was not again taken on beginning subdivision work.

I begin this survey at the cor. to Secs. 32, 33, 4 & 5 on S. boundary, which is a redwood post 4 ft long 4<sup>ins</sup>

# 8 South, Range 21 West

square marked T 8 S. S. 33 on  
N. E., T. 9 S. R. 21 W. p. 4 on  
S. E. S. 5 on S. W. and S. 32  
on N. W. faces, with 2 notches  
on W. and 4 notches on East  
edges, and pits  $18 \times 18 \times 12$  ins  
in each sec.  $5\frac{1}{2}$  ft dist.

Thence I run

North on true line  
between Secs. 32 & 33

Pa.  $13^{\circ} 12' E.$

Over level land

4000 Set charred redwood post 4 ft  
long  $4$  ins square  $12$  ins in the  
ground for  $\frac{1}{4}$  sec. Cor. marked  
 $\frac{1}{4}$  S. on W. face, deep 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

9

## Subdivision lines of Tps.

- 3 1/2 ft base around post,  
 40.60 Begin to descend from mesa  
 75 ft high
- 44.00 Foot of mesa, to level land  
 Enter thick brush.
- 67.00 Leave thick brush, which  
 now becomes scattering.
- 80.00 Set charred redwood post  
 4 ft long 4<sup>in</sup> sq, 12<sup>in</sup> in the  
 ground for Cor. to Secs. 28,  
 29, 32 & 33, marked
- T 8 S. S. 28 on N. E.,  
 R. 21 W. S. 33 on S. E.  
 S. 32 on S. W  
 and S. 29 on N. W. faces.  
 with one notch on S. and 4  
 notches on E. edges. Dig  
 pits 18 x 18 x 12<sup>in</sup> in each  
 Sec. 5 1/2 ft dist. and raised



S. S. Range 21 W.

Mound of earth 2 ft high  $4\frac{1}{2}$  ft base around post

Land level

Soil 2<sup>nd</sup> rate, Sandy

No timber. Brush heavy, for  
23.00 Chs.

East on random line

bet. Secs 28 & 33

Na.  $13^{\circ}12'E$ .

40.00 Set temp  $\frac{1}{4}$  Sec. Cor

80.12 Intersect N. & S. line 14 Chs

N. of cor. W Secs. 27, 28, 33, 34  
on East Exterior Line, which  
is a redwood post 4 ft long  
 $4\frac{1}{2}$  in Sq. Marked

T.P.S. S. 27 on N.E.

R. 21 W. S. 34 on S.E.

## Subdivision Lines Sp. 8

S. 33 on S.W.  
 and S. 28 on N.W. faces  
 with 1 notch on S. and 3  
 notches on E. edges, and pits  
 $18 \times 18 \times 12$  <sup>ins</sup> in each sec.  $5\frac{1}{2}$   
 ft dist. Thence I run  
 N.  $89^{\circ} 54'$  W. on true line  
 bet. Secs. 28 & 33

N.  $13^{\circ} 12'$  E.

- Descend over broken ground  
 40.06 Set Stone  $16 \times 14 \times 10$  <sup>ins</sup>  $11$  <sup>ins</sup>  
 in the ground for  $\frac{1}{4}$  sec. cor.  
 marked  $\frac{1}{4}$  on N. face. Dig  
 pits  $18 \times 18 \times 12$  <sup>ins</sup> N. & S. of  
 Stone  
 post  $5\frac{1}{2}$  ft dist. and  
 raised mound of stone  $1\frac{1}{2}$  ft  
 high 2 ft base alongside.  
 47.00 Enter level bottom land  
 80.12 The cor. to Secs. 28, 29, 32, 33.

## S. Range 21 W.

Land 33. Chs level, 48.0<sup>chw</sup> broken  
Soil in bottoms 2<sup>d</sup> rate, sandy,  
No timber.

North Sect. Acs 28 x 29  
Na. 13° 12' E.

Over level land

40.00 Set Charred redwood post  
4 ft long 4<sup>ins</sup> square, 12<sup>ins</sup> in  
the ground for  $\frac{1}{4}$  Sec. Corner  
marked  $\frac{1}{4}$  S on W. face. Dig  
pits 18 x 18 x 12<sup>ins</sup> N. & S. of  
post 5 $\frac{1}{2}$  ft dist, and raised  
mound of ~~stone~~ earth 1 $\frac{1}{2}$  ft  
high 3 $\frac{1}{2}$  ft base around post.

45.00 Enter brush

50.00 Set Charred redwood post  
4 ft long, 4<sup>ins</sup> square 12<sup>ins</sup>  
in the ground for Cor. to Secs.

7  
Subdivision Lines of Sp. & S.

20, 21, 28 &amp; 29 marked

T &amp; S. S. 21 on N. E.

R. 21 W. S. 28 on S. E.

S. 29 on S. W. and

S. 20 on N. W. faces

with 2 notches on S. and 4  
notches on E. edges. Deep  
pits 18 x 18 x 12 ins in each  
Sec. 5 1/2 ft dist. and  
raised mound of earth  
2 ft high 4 1/2 ft base  
around posts

Land level

Soil 2<sup>d</sup> rate. Sandy  
No timber. Brush 35. or less.

---

East on a random line  
bet. Secs. 21 & 28

## Range 21 West

Va.  $13^{\circ} 12' E.$ 

Over ascending ground.

- 45.00 Set temp.  $\frac{1}{4}$  sec. Cor.  
 80.22 Intusect N. & S. line 6 lks. S.  
 of Cor. to Secs. 21, 22, 27 & 28, on  
 East Exterior line, which is  
 a Stone marked 2 notches on S,  
 and 3 notches on E. edges  
 and mound of Stone along-  
 -side; Thence I run  
 S.  $89^{\circ} 5' 4''$  W. on true line  
 bet. Secs. 21 & 28, with same  
 variation.

Descend over rocky ground.

- 39.00 Enter level land, & thick brush,  
 40.11 Set charred redwood post 4  
 ft long  $4^{\frac{1}{2}}$  in square 12 ins. in  
 the ground for  $\frac{1}{4}$  sec. Cor,  
 marked  $\frac{1}{4}$  S' on N. face.

## Subdivision Lines of Sp

dig pits  $15 \times 8 \times 12$  <sup>ins</sup> N. & S. of post  $5\frac{1}{2}$  ft dist, and raised mound of earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base around post.

61.12 Right bank of wash 4 ft deep runs N. W.

62.22 Left bank of same wash.

80.22 The cor to Secs. 20, 21, 28, 29

Land 41.22<sup>ch</sup>, level, 39.00<sup>ch</sup> rocky

Soil 1<sup>st</sup> rate in bottoms

No timber. Dense mesquite

brush 41.22 chs.

North bet. Secs. 20 & 21

N.  $13^{\circ} 12' E.$

Own level, brushy land

50.00 Set charred mesquite post 4 ft long  $4\frac{1}{2}$  <sup>ins</sup> square, 12 ins.

## S. L. Range 21 W.

in the ground for  $\frac{1}{4}$  sec. Cor.  
 marked  $\frac{1}{4}$  S. on N. face, deep  
 pits  $18 \times 18 \times 12$  ins. N. & S. of  
 post  $5\frac{1}{2}$  ft dist. and  
 raised mound of earth  $1\frac{1}{2}$   
 ft high  $3\frac{1}{2}$  ft base around  
 post.

49.00 Leave brush

80.00 Set charred redwood post  
 4 ft long  $4\frac{1}{2}$  ins square, 12 ins,  
 in the ground for cor. to sec  
 16, 17, 20 & 21 marked

T 8 S. S. 16 on N. E

R 21 W. S. 21 on S. E.

S. 20 on S. W

and S. 17 on N. W. faces  
 with 3 notches on S. and 3 notches  
 on E. edges. Deep pits  $18 \times 18 \times 12$   
 ins. in each sec.  $5\frac{1}{2}$  ft dist.

Subdivision Lines of Sp.

and raised mound of earth  
2 ft high  $4\frac{1}{2}$  ft base  
around post

Land level

Soil 1st rate.

Not timber. Heavy brush

49.00 Chs.

East on random line

bet. Secs. 16 & 21

Na.  $13^{\circ} 12' E.$

Cor level land, soon rises.

40.00 Set temp.  $\frac{1}{4}$  sec. Cor

80.08 Intersect East Exterior 13 Chs

S. of cor. to Secs. 15, 16, 21 & 22

which is a stone marked 3

notches on S. & 3 notches on

E. edges with mound of stone



## S. S. Range 21 West

alongside. Thence I run  
 S.  $89^{\circ} 54' W.$  on true line  
 between Secs. 16 and 21  
 with some va.

Descend rocky slope of Mt.  
 40.04 Set Sandstone  $18 \times 14 \times 10$  ins  
 13 ins, in the ground for  $\frac{1}{4}$   
 Sec. Cor. marked  $\frac{1}{4}$  on N.  
 face, and raised mound of  
 stone alongside. Pits  
 impracticable

51.00 Bottom of slope, and enter  
 level bottoms.

80.08 Ths cor. to secs. 16, 17, 20 & 21  
 Land level 29.08 chs. rocky  
 and broken 51.00 chs  
 Soil in bottoms 1<sup>st</sup> rate  
 no timber.

## Subdivision Lines Sp.

North between Secs. 16 &amp; 17

Va.  $13^{\circ} 12' E.$ 

Over level land.

28.30 Top of narrow gravelly ridge  
30 ft high, bears N. W.

30.00 Bottom of same ridge

40.00 Set charred mesquite post  
4 ft long, 4<sup>ins</sup> square, 12 ins  
in the ground for  $\frac{1}{4}$  Sec. Cor.  
Marked  $\frac{1}{4}$  S. on N. side  
at mouth of small wash runs  
W. dug pits  $18 \times 18 \times 12$  ins N. &  
S. of post  $5\frac{1}{2}$  ft dist. and  
raised mound of earth  $1\frac{1}{2}$  ft  
high  $3\frac{1}{2}$  ft base around  
post.Sept. 26<sup>th</sup> 1890

## S South R. 21 West

North (continued) between

Secs. 16 & 17

va.  $13^{\circ} 12' E.$

Over hilly ground.

42.00 Top of ridge 20 ft high bears  
N. W.

44.00 foot of same ridge

52.00 Top of narrow ridge 20 ft  
high. bears. N.  $80^{\circ} W$

54.20 Road from Yuma to Gila City.

61.00 foot of high hill. Ascend.

70.20 Top of hill 150 ft high. bears  
N. W. Descend into hollow  
drains N. W.

80.00 Set Charred redwood post  
4 ft long  $4^{\text{ins}}$  square,  $12^{\text{ins}}$   
in the ground for Cor. to Secs.  
8, 9, 16 & 17, marked

## Subdivision Sp. 8 S.

T 8 S. S. 9 on N.E.

R. 21 W. S. 16 on S.E.

S. 17 on S. W. and

S. 8 on N. W. faces,

with 4 notches on S. and 4  
notches on E. edges. Raised  
mound of stone  $1\frac{1}{2}$  ft high 2 ft  
base alongside. Pits imprac-  
-ticable.

Land hilly &amp; broken

Soil poor & stony. 5<sup>th</sup> rate

No timber

East on random line

bet. Secs. 9 &amp; 16

Va.  $13^{\circ}14'E$ .

Over high rocky hills

40.20 Set temp.  $\frac{1}{4}$  sec. con

## Range 21 West

80.40 Intersect N. & S. line 29 cks.  
 W. of cor. to Secs. 9, 10, 15 & 16  
 on East exterior line, which  
 is a stone marked 4 notches  
 on S. and 3 notches on E. edges  
 with mound of stone along -  
 side. No pits, from which I  
 run

N.  $89^{\circ} 48'$  W. on true line

bet. Secs. 9 & 16

with same var.

Ascend a short distance, then  
 descend mountain.

3.00 Top of ridge bears N. W.

Descend mountain,

40.20 Set Charred redwood post 4ft  
 long  $4\frac{1}{2}$  ins square 12 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor. marked  
 $\frac{1}{4}$  S' on N. face, & raised a

## Subdivision Lines of

Worrel of Stone  $1\frac{1}{2}$  ft high up  
base alongside. Pits  
impracticable.

55.00 Enter Wash, runs N.W.

69.00 Road from Yuma to Gila City  
Leaves N.E. Ascend hill

73.90 Top of low hill. Leaves West.  
Descend

75.00 Bottom of small gulch leaves  
W. Ascend.

80.140 The cor. to Secs. 8, 9, 16 & 17  
Land mountainous 80.40 ch.  
Soil poor. 5<sup>th</sup> rate. Stony.  
No timber.  
Indications of gold in gulches.

North Sect. Secs. 8 & 9  
Va.  $13^{\circ}12' E.$

## Sp. of South Range 21 W.

Over high, rocky hills.

1.00 Top of ridge bears N. W. descend  
and cross hollow

11.90 Top of sharp ridge 80 ft high  
bears N. W. & S. E.

17.00 Bottom of same ridge

20.60 Southern Pacific R. R. bears  
 $N. 85^{\circ} E.$

21.10 Canal, 10 ft wide, bears N. W.,  
entire dense brush.

24.10 Left bank of Gila River  
runs S. W.

Set redwood post 4 ft long  
8 ins square, 12 ins. in the ground  
for meander cor. to sec. 8 & 9,  
marked M. C. on N. side.

J. 8 S. S. 9 on E. and

R. 21 S. 8 on W. sides,

dig a pit 3 ft square 1 ft deep

## Subdivision Lines of Tp. 8

8 lks S. of Cor. and raised  
a mound of earth 2 ft high  
4 1/2 ft base around post

As the river is now impassable  
I bind flag upon post so it  
may easily be seen from N.  
side of river, and go to the  
Cor. to Secs. 31, 32, 5 & 6 on  
South Boundary.

Land on this fractional line  
level.

Soil 1<sup>st</sup> rate.

No timber. Heavy brush & willows

Note

For the remainder of this  
line, see page 5 B. 00

From Cor. to Secs. 31, 32, 5 & 6  
on South Boundary, I run



## South, Range 21 West

North between <sup>Mes</sup> 31 & 32

No. 13° 12' E.

## Over level land

40.00 Set a charred mesquite post  
4 ft long  $4\frac{1}{2}$  ins square, 12 ins. in  
the ground for  $\frac{1}{4}$  sec. corner,  
marked  $\frac{1}{4}$  S on N. face, dug  
pits 18 x 18 x 12 ins. N. & S. of the  
post  $5\frac{1}{2}$  ft. dist, and  
raised mound of earth  $1\frac{1}{2}$   
ft high  $3\frac{1}{2}$  ft base around  
post

52.40 Brow of mesa 70 ft high, &  
descend.

56.00 Bottom of descent & enter level  
land.

80.00 Set a charred redwood  
post 4 ft long  $4\frac{1}{2}$  ins square  
12 ins. in the ground for

21

## Subdivision Lines of Twp.

Cor. to Secs. 29, 30, 31 &amp; 32

Marked T &amp; S. S. 29 on N. E.

R. 21 W. S. 32 on S. E.

S. 31 on S. W.

and S. 30 on N. W.

Faces, with 1 notch on S. and

5 notches on E. Edges. See

Pits 18x18x12 ins. in each

Section 5 1/2 ft dist. and

raised mound of earth 2 ft

high 4 1/2 ft base around

post.

Land generally level

Soil 2<sup>nd</sup> rate, Sandy

No timber.

East on random line

bet. Secs. 29 &amp; 32

Va. 13° 12' E.

## S South, Range 21 W.

- 40.00 Set temp.  $\frac{1}{4}$  sec. Cor.
- 80.14 Intersect N. & S. line at S lks  
N. of Cor. to sees. 28, 29, 32 & 33  
from which I run  
N.  $89^{\circ} 57' W.$  on a true  
line bet. sees. 29 & 32  
N.  $13^{\circ} 12' E.$
- 40.07 Set a charred redwood post  
 $\frac{1}{4}$  ft long  $4 \frac{1}{2}$  ins square, 12 ins,  
in the ground for  $\frac{1}{4}$  sec. Cor,  
marked  $\frac{1}{4}$  S. on N. face.  
Dug pits  $18 \times 18 \times 12$  ins E. &  
W. of Cor.  $3 \frac{1}{2}$  ft dist. and  
raised mound of earth  $1 \frac{1}{2}$   
ft high  $3 \frac{1}{2}$  ft base around  
post.
- 53.00 Top of long narrow point  
from mesa, bears N & S, 25  
ft high.

## Subdivision Lines of Sp.

80.14 The cor. to Secs. 29, 30 & 31 &  
32.

Land level

Soil 1<sup>st</sup> rate

No timber.

Sept. 27, 1890

From Cor. to Secs. 29, 30, 31 & 32

I run west on Random

\* line bet. Secs. 30 & 31

Na.  $13^{\circ}12'E$ .

Over level land.

89.00 Set temp.  $\frac{1}{4}$  Sec. Cor

79.40 Intersect W. Boundary 28

cks N. of Cor to Secs. 30, 31,

25 & 36 from which I run

N.  $89^{\circ}48'E$ . on true line

bet. Secs. 30 & 31, with

## S. South R. 21 W.

Same Va.

39.40 Set a charred redwood post  
4 ft long 4 <sup>ins</sup> square 12 ins. in  
the ground for  $\frac{1}{4}$  sec. corner,  
marked  $\frac{1}{4}$  S on N. face, dug  
pits 18x18x12 ins. E. & W. of  
Cor.  $5\frac{1}{2}$  ft dist. & raised  
mound of earth  $1\frac{1}{2}$  ft high  
 $3\frac{1}{2}$  ft base around post

41.00 Mr. A. W. Unthank pumping  
works about 20 chs. South  
69.40 Cross-grass, drains N. E.

79.40 In Cor. W Sec. 29, 30, 31 &

32,

Land level

Soil 2<sup>nd</sup> rate, Sandy and  
alkaline in places.

No timber. Some brush, but

Mr. Unthank's Land - 640

acres, is cleared of brush.

25

## Subdivision Lines of Tr. 8

North between Secs. 29 &amp; 30

Va. 13° 12' E.

1000 Road shallow wash, drains  
to N. E. from mesa above.

4000 Set Charred redwood post  
4 ft long 4<sup>in</sup> square, 12 ins in  
the ground for  $\frac{1}{4}$  sec. Corner,  
marked  $\frac{1}{4}$  S on W. side,  
Dug pits 18 x 18 x 12 ins, N. &  
S. of post  $5\frac{1}{2}$  ft dist, and  
raised mound of earth  $1\frac{1}{2}$  ft  
high  $3\frac{1}{2}$  ft base around  
post.

8000 Set a charred redwood post  
4 ft long 4 ins. sq, 12 ins. in  
the ground for Cor. to Secs.

19. 20. 29 & 30 marked

T 8 S. S. 20 on N. E.

R. 21 W. S. 29 on S. E.

## South, Range 21 West

S. 30 on S. W. and  
 S. 19 on N. W. faces,  
 with 2 notches on S. and 5  
 notches on E. edges. Deep  
 pits 18x18x12 ins. in each  
 section 5 1/2 ft dist, and  
 raised mound of earth 2 ft  
 high 4 1/2 ft base around  
 post.

Land level

Soil 1<sup>st</sup> rate

No timber.

A Mr. Williams owns 320  
 acres of land on N. side of  
 this line, and has cleared  
 the brush from it. Land on  
 east of line is covered with  
 heavy mesquite brush.

27

## Subdivision Lines of Sp.

East on random line bet.

Secs. 20 &amp; 29

Va.  $13^{\circ}12'E$ .

Over level land

40.00 Set temp.  $\frac{1}{4}$  sec. Cor

80.04 Intersect N. &amp; S. line at cor.

to Secs. 20, 21, 28 & 29, from  
which I runWest on true line between  
Secs. 20 & 29, with

Some Variations.

40.02 Set a charred redwood post

4 ft long  $4^{\text{ins}}$  square,  $12^{\text{ins}}$ ~~deep~~ in the ground, for  $\frac{1}{4}$ Sec. Cor. Marked  $\frac{1}{4}$  S on N.face. Dig pits  $18 \times 18 \times 12^{\text{ins}}$ E. & W. of post  $5\frac{1}{2}$  ft dist;

and raised mound of



S South, R. 21 West 28

earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base  
around post.

8004 The Cor. to Secs. 19, 20, 29 & 30

Land level

Soil 1<sup>st</sup> rate

No timber, much brush.

West on random line bet;

Secs. 19 & 30

Va.  $13^{\circ}12' E.$

Over level land

39.00 Set temp.  $\frac{1}{4}$  Sec. Cor

79.48 Intersect W. boundary 40  
cks N. of Cor. to Secs. 19, 30

24 & 25 from which I run

N.  $89^{\circ}42' E.$  on true  
line bet Secs. 19 & 30

with same Va.

20100 Two rocky knolls 50 feet high, about 20, or ch. N. of  
line.

29

## Subdivision Lines of Tps. 8

39.48 Set a charred redwood post  
4 ft long 4 <sup>in</sup> square 12 ins,  
in the ground for  $\frac{1}{4}$  sec. Cor  
marked  $\frac{1}{4}$  S on N. face, dug  
pits 18x18x12 ins, E. & W. of  
post  $5\frac{1}{2}$  ft dist, and  
raised mound of earth  $1\frac{1}{2}$   
ft high  $3\frac{1}{2}$  ft base  
around post.

44.00 Iron key hole about 20  
feet high, about 20 chs. N.  
of line

44.00 An adobe house about 10,00 chs  
North, belongs to Williams.

79.48 The cor. to sec. 19, 20, 29 & 30  
Land level  
Soil 1<sup>st</sup> rate  
No timber.

Williams owns 320 acres on

South, Range 21 West

each side of this line, and has cleared the brush from it, and has made some ditches.

North between Secs. 19 & 20  
 N.  $13^{\circ} 12' E.$

Over level land

16.00 A thin line of mesquite brush in swampy hollow bears nearly E, & W.

40.00 Set a charred redwood post 4 ft long 4 ins. square, 12 ins. in the ground for  $\frac{1}{4}$  Sec. cor. marked  $\frac{1}{4} S$  on N. face, Dig pits 18 x 18 x 12 ins. N. & S. of post  $5\frac{1}{2}$  ft dist. and raised mound of earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base

31

## Subdivision Lines of Tr.

around post.

49.60 Cross Wagon road from Yuma  
to Gila City bears N. E. & S. W.74.74 Southern Pacific R. R. track  
bears N. E. & S. W. on curve80.00 Set charred redwood post  
4 ft long 4 ins square 12 ins,  
in ground for Cor. W sees. 17  
18. 19 & 20 marked

T &amp; S. S. 17 on N. E.

R. 21 W. S. 20 on S. E.

S. 19 on S. W

and S. 18 on N. W

faces. With 3 notches on S. and  
5 notches on E. edges. Dig pits  
18 x 18 x 12 ins. in each see. 5 1/2  
ft dist. and raised mound  
of earth 2 ft high 4 1/2 ft  
base around post.

8 South. Range 21 W.

Land level

Soil 1<sup>st</sup> rate.

No timber, but much  
heavy mesquite brush.

East on random line bet,

Secs. 14 & 20

va.  $13^{\circ}12'E$ .

40.00 Set temp.  $\frac{1}{4}$  Sec. Cor.

79.96 Intersect N. & S. line 12 lks S.  
of cor. to Secs. 16, 17, 20 & 21  
from which I ran

S.  $89^{\circ}54'W$ , on true line  
between Secs. 17 & 20 with  
same va.

39.98 Set a charred redwood post  
4 ft long 4 ins. square, 12 ins.  
in the ground for  $\frac{1}{4}$  Sec.

## Subdivision Lines of Sp.

Cor. marked 1/4 S on N. Aids,  
 dug pits 18 x 18 x 12 ins. E. & W.  
 of Cor. 3 1/2 ft dist, & raised  
 mound of earth 2 ft high  
 3 1/2 ft base around post.

41,00 An old adobe house stands

5' on Chs. S. of line.

73.50

Southern Pacific R. R. track, bears N. E. & S. W.

79.96

The Cor. to Secs. 17, 18, 19 & 20

Land level

Soil 1<sup>st</sup> rate

No timber, but much  
 heavy mesquite brush.

X As I think a line west from the  
 Cor. to Secs. 17, 18, 19 & 20 will  
 strike the Gila river in less  
 than 40 Chs., from said Cor.  
 I run West on a true line

## S South Range 21 West

between Secs. 18 & 19

N.  $13^{\circ} 12' E.$

Over level land.

26.00

Canal, bears S. W

28.00

Descend 8 ft to lower bottoms,  
and enter dense brush.

37.40 Left bank of Gila river  
runs S. W. Bank about 4 ft  
above surface of water.

Set Cottonwood post 4 ft  
long 4 ins square, 12 ins, in  
the ground for Meander Cor,  
to Secs. 18 & 19 marked

M. C. on N. face

T & S. ~~S.~~ East R. 21 N. S. 18  
on N. & S. 19 on S. face. dug  
a pit 3 ft square 1 ft deep 8  
lks E. of cor. and raised a  
mound of earth 2 ft high  
4 1/2 ft base around post.

## Subdivision Lines of Sp. 8

Set a flag on line on right bank of river, and measured a base  $S. 30^{\circ} W. 5.00$  Chs. from the end of which the flag bears  $N. 40^{\circ} 53' W.$  By natural divi-  
 $.654 : .982 :: 5.00^{\text{chs}} : 7.50$   
 distance across river  $7.50$  Chs.

44.90 To Meander point & flag on Right bank. As the river soon bends North, I cause another flag to be set on line where it again strikes Right bank & left it in place to triangulate to as my party cannot cross the river, except by swimming,

From Meander post at  $37.40$  Chs. on left bank I offset South

$1000$  Chs, thence West  $2000$



South, Range 21 West.

57.40<sup>on</sup> Chs. thence N. 10.00 Chs. to pt.  
 the Sec. line, on bank of river,  
 thence West, and intersect  
 79.62 W. boundary at what I  
 suppose to be the corner to  
 Secs. 18, 19, 13 & 24, the old  
 post being gone, but a  
 small mound remaining. I  
 determined the N. & S. line  
 here as best I could by  
 sighting to known points on  
 North & South, and built  
 up the mound to a height of  
 two feet of earth  $4\frac{1}{2}$  ft base.  
 Returned on line to bank of  
 river 22.10 Chs. and set a  
 cottonwood post  $4\frac{1}{2}$  ft long 4 ins  
 sq. 12 ins. in the ground for  
 Meander Cor. to Secs. 18 & 19

## Subdivision Lines of Sp. 8

Marked N.C. on E.,

T 8 S. S. 18 on N. and

R. 21 W. S. 19 on S. face,

dug post 3 feet square ft deep  
 8 lbs of Cor. & raised a  
 mound of earth 2 ft high  
 4 1/2 ft base around post.

To determine distance across  
 the river I then measure a  
 base 6.00 Chs. S. 58° E. from  
 the east end of which the flag  
 bears N. 47° 1' E. By nat. sines:

$$\sin 42^{\circ} 59' : 74^{\circ} 59'$$

$$.682 : .966 :: 6.00 : 8.50 \text{ ch}$$

8.50 Chs = distance over river

Land level

Soil 1<sup>st</sup> rate.

No timber but heavy  
 brush 51.62 Chs.

North between Secs. 17 & 18  
 Va.  $+3^{\circ}12'E.$

Over level & brushy land

33.00 Old Canal, 10 ft wide, bears  
 S. W.

4000 Set a charred redwood post  
 4 ft long 4<sup>ins</sup> square, 12 ins, in  
 the ground for  $\frac{1}{4}$  Sec. Cor.  
 marked  $\frac{1}{4}$  S on W. face. Dig  
 pits 18x18x12 ins. N. & S.  
 of Cor.  $5\frac{1}{2}$  ft dist, and  
 raised mound of earth  $1\frac{1}{2}$   
 ft high  $3\frac{1}{2}$  ft base around  
 post.

61.54 The left bank of Gila river  
 runs S. W.

Set cottonwood post 4 ft  
 long 4<sup>ins</sup> square, 12 ins, in

## Subdivision Lines of T. P.

the ground for Meander Cor., <sup>to Sec 17 & 18</sup>  
 Marked M. C. on N. face.

T 8 S. S. 17 on E. and

R. 21 W. S. 18 on W. face.

Dug pit 3 ft square 1 ft deep  
 8 lks S. of Cor. and raised a  
 mound of earth 2 ft high  
 4 1/2 ft base around post.

I then cause 2 men to swim  
 the river and set a post on  
 right bank on line, for Meander  
 Cor., a ~~cutwood~~ charred

redwood post 4 ft long  
 4 ins. square, set 12 ins. in the  
 ground, marked M. C. on S.  
 face, T 8 S. S. 17 on E. and

R. 21 W. S. 18 on W. face.

Dug a pit 3 ft square 1 ft deep  
 8 lks N. of Cor. and raised a

## S South Range 21 W.

Mound of earth 2 ft high  
 4 1/2 ft base around post.  
 I then measured a base on the  
 left bank of river 4,500 chs.

N. 38° E. from which the post  
 on right bank bears N. 49° 4' W.

By Natural Sines: -

sin. 49° 4' : sin. 92° 56'

.755 : .998 :: 4,500 : 5,950

The distance across river.

- 67.49 Meander post on Right bank, 8 ft  
 above surface of the river.  
 77.00 Wagon road, bears S. W.  
 77.60 foot of rocky point, bears S. W.  
 78.70 Top of same, and descends.  
 80.00 Set a Stone 18 x 14 x 9 <sup>ins</sup> 13 ins  
 in the ground for Cor. to Secs.  
 7, 8, 17 & 18, marked 4 notches  
 on S. and 5 notches on east

41

## Subdivision Lines of Sp. 8

edges, and raised a mound  
of stone along side, Pits impractic-  
- cable, <sup>Level level</sup> Soil 1<sup>st</sup> rate. No timber.

Sept. 29<sup>th</sup> 1890

I now go to the cor. to Sec. —  
4. 20 11 & 1/2 on Exterior South  
boundary, from which I run  
North bet. Secs. 1 & 1/2  
N. 13° 1/2' E.

Over hilly ground, descending

14.62 Wagon road bears E. & W.

16.18 Southern Pacific R. R. bears  
N. E.

16.46 Gila river, runs nearly west.

At a charred redwood post  
4 ft long 4 ins. square beside  
a telegraph post, 12 ins. in the

## South, Range 21 West

ground for Meander Cor. to  
Secs. 1 & 2, marked M. C. on N.  
face. T & S. S. 1 on E. and

R. 21 W. S. 2 on N. faces,  
and raised a mound of stone  
 $1\frac{1}{2}$  ft high 2 ft base around  
post. Pits impracticable.

I caused a flag to be set on  
line North on right bank of  
river, and set there a charred  
redwood post 4 ft long  $4\frac{1}{2}$   
square, 12 ins. in the ground  
for Meander Cor. to Secs. 1 & 2  
marked M. C. on S. face.

T & S. S. 1 on E. and

R 21 W. S 2 on N. faces,  
dug a pit 3 ft square 1 ft  
deep 8 cks N. of Cor. and  
raised a mound of earth

Subdivision Lines of Tr.

2 ft high  $4\frac{1}{2}$  ft base around post.

To obtain distance across the river, I measure a base  $S 82^{\circ} 56' W$ , 6.54 Chs. from the end of which the meander post on right bank bears  $N, 37^{\circ} 4' E$ , and by Natural Sines: -

$$\sin 37^{\circ} 4' : \sin 45^{\circ} 16' :$$

$$.603 : .710 :: 6.54 : 7.70$$

the distance across river is 7.70  
24.16 Chs. making North Meander  
Corner on right bank.

Not being able to cross my party  
I now go to the Cor. to Sec. 2  
& 3.

For remainder of this line  
See page 47



S South Range 21 W.

From the Cor. to Secs. 2, 3, 10 &  
11, which is also a meander Cor.,  
North by <sup>face</sup> Secs. 2 & 3  
I triangulate North

across the river as follows:—

I cross my flag in a boat to  
the right-bank and set it in  
line, and set there a charred  
redwood post 4 ft long 4 <sup>ins</sup>  
square, 12 ins, in the ground  
for meander Cor. to Secs. 2 &  
3, marked M. C. on S. face,  
T & S. S. 2 on E. & R. 21. W.  
S. 3 on W. face. Dig a pit  
3 ft square 1 ft deep 8 lbs  
N. of Cor. and raised a  
mound <sup>of earth</sup> 12 ft high 4 1/2 ft  
base around post.

I now measure a base  
N. 85° W. 3.50 chs. from the

## Subdivision Lines of Sp.

end of which the meander post  
on left bank bears  $S. 24^{\circ} 20' E.$   
therefore by natural sines:—

$$\sin 24^{\circ} 20' : \sin 60^{\circ} 40'$$

$$.412 : .872 :: 3.50 : 7.40$$

the distance across river & between  
meander corners is 7.40 chs.  
and the meander cor. on right  
bank is 7.40 chs. on line.

Thence North between Secs. 2  
& 3, in dense brush <sup>on</sup> random <sup>line</sup>

Va.  $13^{\circ} 12' E.$

40.00 Set temp.  $\frac{1}{4}$  sec. Cor.

80.12 Intersect N. Boundary 10 chs  
N. of cor to Secs. 2, 3, 34 & 35  
from which I run

$S. 0^{\circ} 4' W.$  on true line  
bet. Secs. 2 & 3  
with same Va.

## 8 South Range 21 W.

17.00 Bottom of high, rocky hill &  
Enter dense brush.

49.12 Set a charred redwood  
post 4 ft long 4 ins. square  
12 ins. in the ground for  $\frac{1}{4}$  sec  
Cor. marked  $\frac{1}{4}$  S on N. face.  
Dug pits 18 x 18 x 12 ins. N. &  
S. of Cor.  $5\frac{1}{2}$  ft dist, and  
raised mound of earth  $1\frac{1}{2}$  ft  
high  $3\frac{1}{2}$  ft base around post.

72.52 Meander Cor. on right bank  
of river

80.12 The Cor. to Secs. 2, 3, 10 & 11  
Land 17.00<sup>chs</sup> "hilly, 62.92<sup>chs</sup> "level  
Soil 2<sup>d</sup> rate.

No timber, but dense brush  
and mountains 79.92 chs.

47

BOOK 1213

Subdivision Lines of Pp.  
continuation of line north between sees. 1 & 2  
 see page 43

I now proceed to the Meander  
 Cor. on right bank of river  
 between sees. 1 & 2 previously  
 established by me, which is  
 24.16 Chs. North of Cor. to see  
 1.2, 11 & 12, and from it I run  
 North on random line  
 between sees. 1 & 2

N.  $13^{\circ} 12' E.$

Over level land & through  
 dense thickets of mesquite  
 and willows from

24.16 Meander Cor.

40.00 Set temp.  $\frac{1}{4}$  see. Cor.

80.04 Intersect N. boundary at 15  
 Chs. N. of Cor. to sees. 1, 2, 3, 36  
 from which I run

S.  $0^{\circ} 6' W.$  on true line  
 between sees. 1 & 2.

with same va.

40.04 Set a marked stone 12 ins. in the ground for  $\frac{1}{4}$  sec. cor and dug pits 18 x 18 x 12 ins, N & S. of cor.  $5\frac{1}{2}$  ft dist; and raised mound of earth  $1\frac{1}{2}$  ft high  $4\frac{1}{2}$  ft base over it. In N. pit drove stake 2 ft long 2 ins. sq, 12 ins. in the ground marked  $\frac{1}{4}$  S on N. face.

55.88 Meander cor. on right bank of river, which, with balance of line run previously as noted on pages 41 to 43, makes total length of line <sup>80.04</sup>

80.04 chains. Cor. to Secs. 1, 2, 11 x 12

Land level

Soil 1<sup>st</sup> rate

No timber, some brush 58,00 lbs.

49

## Subdivision Lines of

North on random line  
bet. Secs. 3 & 4

Va.  $13^{\circ} 12' E$ ,

Over level land.

40.00 Set temp.  $\frac{1}{4}$  sec. Cor.

80.26 Intusset North boundary  
at 20 lks. N. of Cor. to sec.  
3. 4, 33 & 34 from which I  
run

$S. 0^{\circ} 9' W.$  on true  
line bet. Secs. 3 & 4

with same Va.

8.00 Foot of high hill

30.00 A few Mexican families  
live on each side of line  
who do placar mining in  
the foot hills north,

40.26 Set a stone  $15 \times 14 \times 10$  ins  
10 ins. in the ground for  $\frac{1}{4}$

Sec. Cor, marked  $\frac{1}{4}$  on W.  
face. Dry pits  $18 \times 18 \times 12$  ins,  
N. & S. of line  $5\frac{1}{2}$  ft dist,  
& raised mound of ~~stone~~  
earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base  
along side in willow brush

41.43

A meander cor. previously set  
temporarily, marked M. C.  
on S. face. T & S. S. 3 on E,  
R. 21 W. S. 4 on W

faces, with pit 3 ft square 1 ft  
deep 8 lbs N. of cor, and  
mound <sup>of earth</sup> 2 ft high  $4\frac{1}{2}$  ft base  
around post.

44.06 A meander post set on  
line on left bank of Giler  
river, marked M. C. on N.  
T & S. S. 3 on E, and  
R. 21 W. S. 4 on W. faces,

Subdivision Lines of  
 with pit 3 ft square 1 ft  
 deep 8 lbs. S. of cor. and  
 mound of earth 2 ft high  
 4 1/2 ft base around post.

To obtain distance across  
 river I measure on left  
 bank a base line on sand  
 bar N. 70° 15' E. four chs.  
 from the end of which the  
 meander cor. on right bank  
 bears N. 52° 45' W.

By natural sines:-

$$\sin 52^{\circ} 45' : \sin 57^{\circ}$$

$$.796 : .88 :: 4.00 : 4.43$$

adding 1.20 chs, distance S.  
 to meander cor. on left bank  
 makes distance between the  
 two meander corners 5.63 chs.

73.00 Leave brush



## Twp. 8 S. Range 21 W.

- 74.00 Canal, bears West, 12 ft wide
- 76.90 Road from Yuma to Gila city  
bears E. & W.
- 77.00 foot of small knoll, as a rule
- 78.70 Top of same knoll, descend,
- 80.26 The Cor. to Secs. 3, 4, 9 & 10  
Land level.
- Soil 1<sup>st</sup> rate, on S. of river  
No timber, but heavy  
brush of Mesquite, arrowwood  
and willows 74.00 chs.

(Continuation of line N. bet. Secs. 8 & 9)  
There being no meander  
Cor. on right bank of Gila  
river on the line north bet.  
Secs. 8 & 9 north, I proceed to  
the Cor. to Secs. 4 & 5 on N.  
Boundary from which I run

Subdivision Lines of  
South on random line  
between Secs. 8 & 9

Var.  $13^{\circ}12'E$ ,

Over hilly ground, then level.  
Setting temporary corners at  
each 40 and 80 chs, and  
at 126.99 chs, reach a  
point on right bank of river  
23 chs W. of the meander  
Cor. previously set by me on  
left bank of river

(2) Set a mosquito post 4 ft  
long 4 ins. square 12 ins. in dia  
ground for meander cor. to  
Secs. 8 & 9, marked

M. C. on S. face

T & S. S. 9 on E. and

R. 21 W. S. 8 on W. face,

dig pit 3 ft square 1 ft deep

Sp. & S. Range 21 W.

8 lbs N. of Cor. and raised  
ground of earth 2 ft <sup>high</sup> base  $4\frac{1}{2}$   
ft base around post.

To obtain distance between  
meander posts, I measure  
a base  $S. 72^{\circ} 30' 8. 57.00$  chs.  
from which the meander Cor.  
on Left bank bears  $S. 31^{\circ} 45' W$

By natural sines:-

$$\sin 31.45' : \sin 75.45'$$

$$.526 : .969 :: 57.00 : 9.21$$

The distance bet. meander  
corners is 9.21 chs. which,  
added to  $24.10$  <sup>chs</sup>, the distance  
of meander Cor. on left bank  
north of Cor. to Sec. 8. 9. 16. 17  
gives for distance on line  
meander Cor. on right bank,  
thence North on true line  
with same wa.

55

## Subdivision Lines of Tr. 8 S.

4000 Set Stone 16x12x10 ins. 11 in  
in the ground for  $\frac{1}{4}$  sec. cor,  
Marked  $\frac{1}{4}$  on W. face. Dig  
pits 18x18x12 ins. N. & S. of  
line  $5\frac{1}{2}$  ft dist. and raised  
mound of earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$   
ft. base alongside.

80.00 Set Stone 17x14x9 ins. 12 ins.  
in the ground for cor. to sec.  
4, 5, 8 & 9, marked with 5  
notches on S. & 4 notches on  
E. edges. Dig pits 18x18x12 ins  
in each sec.  $5\frac{1}{2}$  ft dist. and  
raised m. of earth 2 ft high  $4\frac{1}{2}$   
ft base along side.

Land level

Soil 2<sup>nd</sup> rate on N. side

No timber, Heavy brush

2.00 chs. on river bank.

Concluded, Book 1214.