

Gila

3

No. 899

BOOK 899

668

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

BOOK 899

-OF-

No. 899

Township *20 S.* Range *13 E.*

Gila and Salt River Base and Meridian

ARIZONA.

By *Lewis Wolfley* D. S.

under contract dated *April 11th* 1885

Survey commenced *May 18th* 1885

Survey completed *May 22nd* 1885

Township 20 South, Range 13. East,

Gila and Salt River Meridian.

6	108	5	75	4	56	3	38	2	20	1
105	103		74		54		35		18	
7	101	8	72	9	53	10	33	11	16	12
98	97		71		51		32		14	
18	95	17	69	16	50	15	31	14	12	13
93	92		68		48		29		11	
19	90	20	66	21	47	22	28	23	9	24
87	86		65		46		27		8	
30	84	29	62	28	44	27	25	26	6	25
82	80		60		43		24		5	
31	78	32	58	33	40	34	22	35	3	36

For preliminary oaths and description of Instrument see book No. 1

T20 S. R 13E. No. 899

Chains

Beginning at the Stand Cor
to Secs. 35 & 36 T₂₀ S. R 13E.
which is a Post properly
marked with pits and
mound of earth from which
A Hackberry tree 9 ins. in
diam bears S 5° W. 94 links
dist.

A Mesquite tree 12 ins. in diam
bears N 15° W. 154 links. dist.

Run N. bet. Secs
35 & 36.

T₁₂ E.

40.00

A Granite stone in place 13x8
in above the ground which
I marked with a cross (+)
at exact cor. front for 1/4 Sec
Cor, ^{marked to on the face} and raised a mound of

T 20 S. R 13 E.

Chavis

stone alongside
 46.00 Cross Dry Wash course W.
 47.00 Cross road bears E.W.
 76.00 Cross Dry Wash course S.W.
 80.00 Set a Granite stone 20x18x18
 ins. 14 ins. in the ground
 for cor. to Secs. 25, 26, 35 & 36,
 marked with a notch
 on S + E. edges. and
 raised a mound of stone
 alongside

Grass fair
 Soil 4th rate
 Surface rolling
 Scattering brush

T20 S. R18 E.

Chamie

East on a random line
bet. Secs 25 & 36.

Wa 12° E.

40.00

Set temporary 1/4 Sec. cor.

79.95

Intersect the E. bdy. of T₁
& limits et. of cor. to Secs 25,
30, 31 & 36. which is a Volcanic
stone 20x12 ins. above the
ground marked with 1
notch on S. and 5 notches
on N. edges and raised a
mound of stone alongside
Thence I run

N 89° 57' W. on a true line
bet. Secs. 25 & 36. with same Wa

20.95

Enter Dry Wash course W.
and along dry wash

39.97

Set a Volcanic stone 17x8x6

T20 S. R 138.

Chains

11 ins. in the ground
for $\frac{1}{4}$ Sec. cor. marked
 $\frac{1}{4}$ on N. face and raised
a mound of stone alongside
10 miles South of Wash.

44.45

Leave Dry Wash course West.

79.95

The cor. to Secs. 25, 26. 85836.

Surface rolling

Soil 4th rate

Grass fair

Scattering brush

North bet. Secs. 25 & 26

Va 12° E.

Over rolling ground

Cross Dry Wash course W.

Set a Granite stone 12 x 8 x 6 ins.

85.00

40.00

T 20 S. R 13 E.

Chains

7 ins. in the ground for $\frac{1}{4}$ Sec
cor. marked $\frac{1}{4}$ on $\frac{1}{4}$ W. face. and
raised a mound of stone along side

44.50

Cross Dry Wash Course West

80.00

Set a Granite stone $18 \times 18 \times 18$ ins
4 ins in the ground for cor. to
Sec. 23. 24. 25 & 26 marked with
2 notches on S. and 1 notch on E.
edges. and raised a mound of
stone alongside from which
a Mesquite tree 4 ins. in diam
bears N-15° E. 95 links dist.
marked T 20 S R 13 E. S 24. O. T.

Surface rolling

Soil $\frac{4}{7}$ rate

Grass fair

Scattering brush

T 20 S. R 13 E.

Chain

East on a random line
bet. Secs. 24 & 25.

W 12° E.

40.00

Set temporary 44 Sec. corth

80.70

Intersect the E. bdy. of the
20 links S. of cor. to Secs.

19, 24, 25 & 30 which is a
lime stone 18x10 ins. above
the ground marked with
2 notches on S. and 4 notches
on N. edges. and a mound
of stone alongside, from which
a Mesquite tree 6 ins. in diam
bears N 30° E. 95 links dist.
marked T 20 S. R 14 E. S 19, B. T.

Thence I run

N 89° 57' W. on a true line
bet. Secs. 24 & 25 with same cor.

T 20 S. R 13 E.

chains

40.35 Set a Granite stone 20x14x6 in.
14 ins. in the ground for $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on N. face
and raised a mound of
stone alongside

80.70 The cor. to Secs. 23, 24, 25 & 26.
Surface rolling
Soil $\frac{4}{11}$ rate
Grass fair
Scattering brush

North bet. Secs 23 & 24
W 12° E.

Over rolling ground

17.00 Cross Dry Wash course etc.

40.00 Set a Granite stone 17x12x6 in.
11 ins. in the ground for $\frac{1}{4}$ Sec

BOOK 533
T20 S. R13 E.

chain

Cor. marked 14 on W. face
and raised a mound of
stone alongside.

57.00

80.00

Cross Dry Wash Course N.W.
Set a Granite Stone 18x14x8
ins. 12 ins. in the ground
for cor. to Secs. 13, 14, 23 & 24.
marked with 3 notches on S
and 1 notch on E. edges, and
raised a mound of stone
alongside, from which

A Mesquite tree 8 ins. in diam
bears N 40° E. 40 links dist.

marked T20 S. R13 E. S 13, B.T.
A Mesquite tree 6 ins. in diam
bears S 45° E. 15 links dist.

marked T20 S. R13 E. S 24, B.T.
Surface rolling

T20 S. R. 13 E.

Chain

Soil 4th rate
Grass fair
Scattering brush

East on a random line bet.
Secs. 13 & 24.

Old 12th E.

40.00 Set temporary 1/4 Sec. Cor.

80.12 Intersect the E. lay. of the 40
links S. of cor. to Secs. 13, 18, 19
& 24 which is a granite stone
18 x 14 ins. above the ground
marked with 3 notches on the
edges and a mound of stone
alongside.

Thence Run
S 89° 43' W. on a true line bet

BOOK 333
T20 S. R 13E.

Chamie

40.06 Secs 13+24. with same Va.
Set a Lime stone $20 \times 8 \times 8$ ins.
14 ins. in the ground for $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on N. face
and raised a mound of
stone alongside.

80.12 The cor. to Secs. 13, 14, 23 & 24.
Surface rolling
Soil 4th rate
Grass fair
Scattering trees & brush

North bet. Secs. 13 & 14.
W $\frac{1}{2}$ 12^o E.

1.00 Cross Dry Wash course W.
40.00 Set a Granite stone $20 \times 10 \times 10$
ins. 14 ins. in the ground

T20 S. R 13 E.

Chain

for 14 Sec. cor. marked 14 on W. face and raised a mound of stone alongside.

43.00 Cross Dry Wash course W.

55.00 cross Dry Wash course W. and ascend

70.00 Top of slope bears E + W. and descend at an angle of 20°

77.00 Foot of slope and cross Dry Wash course W.

80.00 Set a Volcanic stone $16 \times 12 \times 6$ ins. 11 ins. in the ground for cor. to Secs. 11, 12, 13 & 14 marked with 4 notches on S. and 1 notch on E. edges. and raised a mound of stone alongside, from which a Mesquite tree 6 ins. in diam bears $S 1^{\circ} E$. 40 links dist. marked T20 S. R 13 E. S13. B. T.

T20 S. R13E.

ham's

Surface mountainous ⁴⁰⁰⁰ ft
 " Rolling " "
 Grass fair
 Soil 4% rate
 Scattering brush

East on a random line
 bet. Sec. 12 & 13.

W¹/₄ 12E.

0.00

9.90

Set temporary ¹/₄ Sec. cor.
 Intersect the E. ldy. of the
 T¹/₄ 12 links South of cor. to
 Sec 7, 12, 13 & 18 which is a
 granite stone 18x12 ins above
 the ground marked with
 4 notches on S. and 2 notches
 on W. edges and a mound

T20 S. R 13 E.

chains

of stone alongside, from which
A Palo Verde tree 6 ins. in diam
bears N 25° E 100 links dist.
marked T20 S. R 14 E. S 7 B. T.
A Mesquite tree 8 ins. in diam
bears N 10° W. 250 links. dist.
marked T20 S. R 13 E. S. 12, B. T.

Thence I run

S 89° 55' W. on a true line bet.
Secs. 12 & 13. with same $\frac{1}{4}$.

17.90

A house and spring called
Agua Coliente bears South
about 10 chains. dist. from
this point.

29.90

Cross ~~the~~ Wash 5 links Water
course N. W. and ascend.

39.95

A Mesquite tree 6 ins. in diam
which I marked 44 S. on N. face

T20. S. R 13 E.

Chains

- for 1/4 Sec. cor. and raised a mound of stone along side
- 42.90 Top of bank and descend into wash.
- 44.90 Cross road bears N.W. & S.E.
- 49.90 Cross bed of Dry Wash course N.W.
- 54.90 Ascend out of Dry Wash
- 79.90 The cor. to Sec. 12, 13 & 14, Surface Mountainous Soil 4th rate
Grass fair
Dense brush

North bet. Secs. 11 & 12.
W. 1/2 E.
Over rolling and broken

T 20 S. R 13 E.

chains

ground

32.00

Cross Road bears S E 1/4 W.

33.00

Cross Dry Wash Deep and
150 chains Wide course N. W.

40.00

Set a Granite stone 20x12x4
ins. 16 ins. in the ground
for 1/4 Sec. cor. marked 1/4 on
W. face and raised a mound
of stone alongside.

56.00

Cross Dry Wash Course W.

80.00

Set a Granite stone 17x12x8
ins. 12 ins. in the ground
for cor. to Secs. 1, 2, 11 & 12,
marked with 5 notches on S
and 1 notch on E. edges. and
raised a mound of stone
alongside.

Surface rolling

T20 S. R 13 E.

hains

Soil 4th rate
 Grass poor
 Scattering brush

East on a random line
 bet. Secs. 1 & 12

Q/A 12^o E.

40.00

0.45-

Set temporary $\frac{1}{4}$ Sec. cor.
 Intersect the E. bdy. of the
 T_h 30 links South of cor.
 to Secs 1, 6, 7 & 12 which is
 a granite stone 24x8 ins.
 above the ground marked
 with 5 notches on S. and
 1 notch on N edges and a
 mound of stone alongside.

T20 S. R 13 E.

Chain

- Thence I run
 $89^{\circ} 47^m$ N. on a true line bet.
 Secs. 142 with same Va.
 and descend slope at an angle
 of 35°
- 17.45 Foot of slope and cross Dry
 Wash course N.W. and ascend
 slope at an angle of 25°
- 35.45 Top of ridge bears N.W. & S.E.
 and descend slope at an angle
 of 20°
- 40.22 After making the correct allow-
 ance I set a Granite stone $2 \times 16 \times$
 4 ins. 14 ins. in the ground for
 1/4 Sec. Cor marked 1/4 on N. face
 and raised a mound of stone
 alongside and descend ^{continue to} slope
 at an angle 20°

T20 S. R 13 E.

Chamiz	Foot of slope and
51.45	Grass Dry Wash course S.W.
66.45	Enter Dry Wash course N.W.
70.45	Leave " " " " " "
80.45	The cor. to Secs. 1, 2, 11 & 12, Surface mountainous Soil 4 th rate Grass poor Scattering brush

North on a random line
bet. Secs. 1 & 2.
of 1/2^o E.

40.00	Set temporary 44 Sec. cor.
80.10	Intersect the N. ldy. of Tr. 25 links E. of Cor. to Secs. 1, 2, 35 & 36. which is a granite stone 16 x 8 ins. above

T 20 S. R 13 E.

chain

the ground marked with 5 notches on N. and 1 notch on E. edges and a mound of stone alongside.

Thence I run

S 0° 11' E. on a true line bet. Secs 1 & 2 with same Va.

- 25.10 Cross road bears N, W. & S. E.
- 26.10 Cross Dry Wash course N. W.
- 40.10 Set a granite stone 16x12x6 ins 11 ins. in the ground for 1/4 sec. cor. marked 74 on N. face and raised a mound of stone alongside.
- 49.10 Cross Dry Wash course N.
- 61.10 Cross Dry wash, deep and 1.50 chs wide course W. and over rolling ground

BOOK 635
T 20. S. R 13 E.

Chains

Soil 4th rate
Some grass
Scattering brush

East on a random
line bet. Secs 26 + 35
Wa 12° E.

40.00 Set temporary 1/4 Sec. cor
80.15 Intersect the N + S. line 10
links S. of cor to Secs 25, 26, 35, 36

Thence I run
S 89° 56' W. on a true line
bet. Secs 26 + 35, with same Wa.

40.07 Set a Granite stone 36 x 20 x 8
ins. 26 ins. in the ground
for 1/4 Sec. cor marked 1/4 on N.
face, and raised a mound

T20 S. R13 E

Chamis

of stone alongside on North
side of Dry Wash.

42.57 Cross Dry Wash course S.W.

80.15 The cor. to Secs. 26.27.34. + 35

Surface rolling

Soil 4th rate

Grass poor

Scattering brush

North bet. Secs 26 + 27

Ca 12° E.

Descend gradually

8.50 Cross Dry Wash course West
and ascend gradually over
rolling ground

40.00 Set a Volcanic stone 16x14x8 ins.
11 ins. in the ground for 1/4 Sec. Cor.

T20 S, R13E.

Chairs

marked "4 on W. face and
raised a mound of stone
alongside.

50.00 Cross Dry Wash Course W.

63.00 Cross " " " "

76.00 " " " "

80.00 Set a Lime stone 16x14x8 ins,
11 ins. in the ground for
Cor. to Secs. 22, 23, 26 & 27,
marked with 2 notches on
S. and E. edges, and raised
a mound of stone along-
side.

Surface rolling
Soil 4th rate

Grass fair

Scattering brush

T 20 S. R 13 E.

Charlie

East on a random line
bet. Secs 23 + 26.

Va $12^{\circ} E$

40.00

Set temporary $\frac{1}{4}$ Sec. Cor

80.12

Intersect the N + S line 25 links
W. of Cor. to Secs. 23, 24, 25 & 26.

Thence I run

N $89^{\circ} 49' W$. on a true line
bet. Secs 23 + 26 with same Va.

1.12

Cross Dry Wash course S.W.

40.06

Set a Volcanic stone stone 2 ex
14x6 ins. 13 ins. in the ground for
 $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face
and raised a mound of
stone alongside, from which
a Palo Verde tree 10 ins. in diam
bears S $55^{\circ} E$. 125 links. dist.
marked $\frac{1}{4}$ S. B. T.

T20 S. R 13E.

Chains

73.12

Cross Dry Wash course S.W.

80.12

The cor. to Secs. 22, 23, 26 + 27.

Surface rolling

Soil 4th rate

Grass fair

Scattering brush

North bet. Secs 22 + 23,

of 12° E

Over rolling ground

23.00

Cross Dry Wash course W.

40.00

Set a Granite stone 17x9x7
ins. 12 ins. in the ground
for 1/4 sec. cor. marked 44 onW. face and raised a
mound of stone alongside.

66.50

Cross Dry Wash course N.W.

T20 S. R13E,

Chain

79.70

Cross Dry Wash course West

80.00

Set a granite stone $18 \times 14 \times 6$ ins.
 11 ins. in the ground for Cor.
 to Secs. 14, 15, 22 & 23. marked
 with 3 notches on S and 2
 notches on E. edges and raised
 a mound of stone alongside.

Surface Mountainous

Soil 4 strata

Grass fair

Scattering brush

East on a random line bet.
 Secs. 14 & 23.

Va 12° E.

40.00

Set temporary 1/4 Sec. cor.

79.85

Intersect the N. S. line 25 links

T20 S. R 13 E.

chains

at of cor. to Secs. 13, 14, 23 + 24.

Thence I run

N 89° 49' W. on a true line
bet. Secs. 14 + 23 with same Va
Cross Dry Wash course N. 91.

3.85

9.92

Set a granite stone 21 x 14 x 8 ins.
14 ins. in the ground for 1/4
Sec. cor. marked 14 on N. face
and raised a mound of
stone alongside.

9.85

The cor. to Secs 14, 15, 22 + 23,

Surface rolling

Soil 4th rate

Grass fair

Scattering brush

T20 S. R13E.

chains

North bet. Secs. 14 + 15.
Wa 12° E.

Over rolling ground

13.00 Cross Dry Wash course S.W.
and ascend

27.50 Top of ridge bears E & W. and
descend

35.00 Cross Dry Wash Course S.W.

40.00 Set a granite stone 14x11x4 ins
9 ins. in the ground for "4 Sec.
Cor. marked "4 on W. face. and
raised a mound of stone
alongside.

50.00 Cross Dry Wash Course W.

80.00 Set a granite stone 18x14x6 ins.
12 ins. in the ground for Cor.
to Secs. 10, 11, 14 + 15, marked
with 4 notches on S. and 2

520 S. R 13E.

Chains

notches on E. edges, and
raised a mound of stone
alongside.

Surface rolling
Soil 4th rate
Grass fair
Scattering brush

East on a random line
bet. Secs 11 + 14.

$74^{\circ}12' E.$

40.00

80.17

Set temporary 14 Sec. cor.
Intersect the E + S. line 10
links South of cor. to Secs.
11, 12, 13 + 14.

Thence I run
 $S 89^{\circ}56' W$ on a true line

T20 S. R13 E.

Chain

bet. Secs. 11 & 14 with same W.
and descend over rolling ground

40.08

Set a Volcanic stone 18x12x8 in
12 in. in the ground for $\frac{1}{4}$
Sec. cor. marked "4" on N. face
and raised a mound of stone
alongside.

45.17

to cross Dry Wash Course N.W.

80.17

The cor. to Secs. 10, 11, 14 & 15.

Surface rolling

Soil 4th rate

Grass poor

Scattering brush

North bet. Secs. 10 & 11

W 12th E.

Descend over rolling ground

T 20 S. R 13 E,

Chains

13.00

Cross Dry Wash course W.

26.50

" " " " "

40.00

Set a Granite stone 14x10x8 ins. 8 ins. in the ground for 14 Sec. cor. marked 14 on W. face, and raised a mound of stone alongside, and continue over rolling ground.

60.00

Cross Dry Wash course W.

73.00

Cross " " " N.W.

80.00

Set a Granite stone 18x8x6 ins. 11 ins. in the ground for cor. to Secs. 2, 3, 10 & 11. marked with 5 notches on S. and 2 notches on E. edges and raised a mound of stone alongside. from which

T 20 S. R 13 E 1

Chains

A Palo Verde tree 8 ins. in diam
bears N 32° W. 95 links dist.
marked T 20 S. R 13 E. S 3, B, T

Surface rolling

Soil 4th rate

Scattering brush

Grass floor

East on a random line
bet. Secs. 2 & 11.

Va 12° E.

40.00 Set temporary $\frac{1}{4}$ Sec. cor.

79.95 Intersect the N & S line 10 links
N. of cor. to Secs. 1, 2, 11 & 12.

Thence run

S 89° 56' W. on a true line
bet. Secs. 2 & 11 with same Va.

T 20 S. R 13 E.

Chains

and ascend slope at an angle of 15°

8.95

Top of ridge and descend along Dry Wash

39.97

Set a granite stone $18 \times 18 \times 18$ ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on st. face, and raised a mound of stone alongside, from which

A Mesquite tree 10 ins. in diam bears S 40° W $\frac{3}{4}$ links dist. marked $\frac{1}{4}$ S. B. T.

43.97

Cross road bears N 90° W S. E. and leaves dry wash course S. W.

79.95

The cor. to Secs. 2, 3, 10 & 11.
Surface rolling

T20 S. R13 E.

Chamis

Soil 4th rate
Grass poor
Dense brush

North on a random line
bet. Secs. 2 & 3.

$79^{\circ} 12' E$

40.00 Set temporary "4" Sec. cor.

79.80 Intersect the N. bdy. of the T₂₀
12 links East of cor. to Secs. 2 & 3.
34 & 35; which is a Granite
stone 22×8 ins. above the ground
marked with 4 notches on W.
and 2 notches on E. edges
and a mound of stone along side.
Thence from
 $S 0^{\circ} 5' E$ on a true line bet.

T20 S. R 13 E,

cham's

12.80

Secs 2+3 with same Wa.
Enter deep dry Wash
course N.W.

13.10

Leave deep dry Wash course
N.W.

39.80

Set a Granite stone 16x12x
ins. 11 ins. in the ground
for 1/4 Sec. cor. marked 1/4
on W. face, and raised a
mound of stone alongside.

51.80

Cross road bears S.E. N.W.

61.80

cross Dry Wash course W.

67.80

" " " " N.W.
and continue over rolling
ground

79.80

The cor. to Secs. 2, 3, 10 & 11.
Surface rolling
Soil 4th rate

T 20 S. R 13 E.

Chamie

Grass fair
Scattering brush

I carefully examined the adjustments of my solar transit to day, particularly the latitude and reversing apparatus, and found them to be correct.

May 19th 1885

From the Stand cor. to Secs 33 + 34. T 20 S. R 13 E. which is a granite stone 11x9 ins. above the ground properly notched and mound of earth and pits of

T20 S, R13E.

Chains

required size. I run North
bet. Secs. 33 & 34.

N 91 2° E.

Ascend slope at an
angle of 5°

6.00

Top of slope and descend
at an angle of 4°

35.50

Descend slope at an
angle of 35°

38.50

Cross Dry Wash course W.

After making the correct allowance

40.00

Set a granite stone 22 x 8 x 6
ins. 14 ins. in the ground

for 1/4 Sec. cor. marked 1/4 on

W. face, and raised a

mound of stone alongside

41.50

Cross Dry Wash course W

47.00

Cross road bears E.W.

57.00

Ascend slope at an angle

T 20 S. R 13 E.

Charris

of 23° 57.00 Top of slope and descend at
an angle of 23° 66.00 Cross Dry Wash course W.
and ascend slope at an
angle of 18°

72.00 Top of slope and descend

74.00 Cross road bears E + W.

80.00 After making the corner allow
ance. I set a granite stone $4\frac{1}{2} \times$
 $5\frac{1}{2}$ ins. 9 ins. in the ground
for cor. to Secs. 27. 28. 33 + 34
marked with 1 notch on S.
and 3 notches on E. edges
and raised a mound of
stone alongside from which
a Mesquite tree 8 ins. in diam
bears $S 3^{\circ} E. 225$ links. dist.

T20 S. R13E.

Chavis

marked T₂₀S R13E. S34
B.T.

A Mesquite tree 6 ins. in diam
bears N40°W. 110 links dist.
marked T₂₀S. R13E. S28, B.5

Surface mountainous

Soil 4th rate

Grass poor

Scattering brush

Cast on a random
line bet. Secs. 27 & 34.
QVa 12°E.

40.00

80.10

Set temporary $\frac{1}{4}$ Sec. cor
Intersect the N & S. line
15 links S. of cor. to Secs.
26.27.34 & 35.

T20 S. R13E.

Chains

Thence I run
S89°54'W. on a true line bet
Secs. 27 & 34. with same Va.
and descend gradually

40.05

Set a granite stone 14x8x6
ins. 9 ins. in the ground
for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on
N. face and raised a mound
of stone alongside.

80.10

The cor. to Secs. 27, 28, 33 & 34

Surface rolling

Soil 4th rate

Grass poor

Scattering brush

North bet. Secs. 27 & 28.

Va. 12° E.

T20 S. R13E.

Chains

40.00	Over rolling ground Set a Granite stone 18x10x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside.
45.50	Cross Dry Wash course W.
61.00	" " " " N.W.
67.00	" " " " W.
80.00	Set a Volcanic stone 16x14x 6 ins. 11 ins. in the ground for cor. to Secs. 21, 22, 27 & 28. marked with 2 notches on and 3 notches on E. edges, and raised a mound of stone alongside.
	Surface rolling Soil 4 th rate Grass thin

T 20 S. R 13 E.

Chains

Dense brush

East on a random line
bet. Secs. 22 & 27.

74 12° E.

40.00 Set temporary $\frac{1}{4}$ Sec. cor.

79.95 Intersect the N + S line 5 links
S. of cor. to Secs 22, 23, 26 & 27.

Thence I run

S 89° 58' W. on a true line bet
Secs. 22 & 27 with same Va.

39.97 Set a L line stone 14x10x8 in.
9 ins. in the ground for $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on N. fac
and raised a mound of
stone alongside, and descend
over rolling ground.

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BOOK 333
T20 S. R13 E.

Chamiz
79.95

The cor. to Secs 21, 22, 27 & 28,
Surface rolling
Soil 4th rate
Grass fair
Scattering brush

North bet. Secs. 21 & 22,
W 12th E.

33.00

Grass Dry Wash course N 8th E

40.00

Set a Granite stone 20x8x8
ins. 13 ins. in the ground
for 14 Sec. cor. marked 14
on W. face, and raised a
mound of stone alongside.

55.50

Grass Dry Wash course N.

80.00

Set a Limestone stone 18x10x8 ins
12 ins. in the ground for

T20 S. R 13 E,

Chamis

cor. to Secs. 15, 16, 21 & 22 marked with 3 notches on S. and E. edges. and raised a mound of stone alongside.

Surface rolling
Soil 4th rate
Grass thin.
Scattering brush

East on a random line be
Secs. 15 & 22
Qa 12° E.

40.00 Set temporary 1/4 Sec. cor.
80.20 Intersect the N & S. line 25
links N. of cor. to Secs. 14, 15, 22 & 23

Thence from
N 89° 49' W. on a true line to

T20 S. R 13 E.

Chamis

Secs. 15 & 22. with same Va.
and descend over rolling
ground

40.10

Set a 2 in stone $26 \times 15 \times 10$
ins. 19 ins. in the ground
for 1/4 Sec. cor. marked 1/4 on
N. face. and raised a mound
of stone alongside.

48.20

Enter Dry Wash course W.

54.20

Leave W.

73.20

Cross Dry Wash course N.W.

80.20

The cor. to Secs. 15, 16, 21 & 22,

Surface rolling

Soil 4th rate

Grass thin

Scattering brush

T20 S. R13 E,

Charris

North bet. Sec. 15 & 16,
T4 N 12 E.

Over rolling ground

- 17.00 Cross Dry Wash course West
40.00 Set a granite stone 20x12x8 in
14 ins. in the ground for "4" Sec
cor. marked "4" on W. face, and
raised a mound of stone
alongside.
- 57.00 Cross Dry Wash course W.
80.00 Set a granite stone 18x12x10 in
12 ins. in the ground for cor. to
Secs. 9, 10, 15 & 16. marked with
4 notches on S. and 3 notches
on E. edges. and raised a mound
of stone alongside. from which
a Mesquite tree 6 ins. in diam
bears N 75° E. 190 links. dist.

T20 S. R13E.

chains

marked T20 S. R13E. S10.
B. T.

A Mesquite tree 8 in. in
diameter bears S 15° E. 100
links. dist. marked T20 S
R13. E. S15. B. T.

Surface rolling
Soil 4th rate
Grass poor
Scattering brush

East on a random
line bet. Secs. 10 & 15,
W 9 1/2° E.

40.00

79.95-

Set temporary 1/4 Sec. cor.
Intersect the N & S line
10 links N. of cor. to Secs

T20 S. R 13 E.

chain

10, 11, 14 & 15.

Thence I run

N 89° 56' W. on a true line
bet. Secs 10 & 15 with same Va.
16.95- Cross Dry Wash course at W
and descend over rolling

ground

39.97

A Volcanic rock in place 2x2
ft above the ground which I
marked with a cross (X) at
exact cor. point for "4 Sec. cor.
^{and} marked "4 on N. face, and
raised a mound of stone
alongside, and continue to
descend over rolling ground

79.95

The cor. to Secs. 9, 10, 15 & 16.

Surface rolling
Soil 4th rate

T20 S. R. 136,

Chains

Grass floor
Scattering Mesquite brush

North bet. Secs. 9 & 10
1/4 12° E.

Over rolling ground

32.00

40.00

Cross Dry Wash course W.
Set a granite stone 16x9x7
ins. 11 ins. in the ground
for 1/4 Sec. cor. marked 1/4 on
W. face, and raised a mound
of stone alongside.

50.50

80.00

Cross Dry Wash course W.
Set a granite stone 14x10x10
ins. 8 ins. in the ground
for cor. to Secs. 3, 4, 9 & 10
marked with 5 notches

T 20 S. R 13 E.

Chains

on S. and 3 notches on E. edge
and raised a mound of
stone alongside, from which
A Mesquite tree 6 ins. in
diameter bears N 62° E. 80 links
marked T 20 S. R 13 E. S. 3. B.

Surface rolling

Soil 4th rate

Grass poor

Scattering brush

East on a random line to
Secs. 3 & 10.

Va 72° E.

410.00 Set. temporary $\frac{1}{4}$ Sec. cor80.15 Intersect the N & S. line 20
links S. of Cor. to Secs. 2, 3, 10 &

T20 S. R 13 E.

Chamis

Thence I run
S89°57' W. on a true
line bet. Secs 3 & 10 with
same Ga. and over rough
ground.

11.15

Cross Dry Wash course @ 1/4 mi.

40.07

Set a Granite stone 18x12x8
in. 12 in. in the ground
for 1/4 Sec. cor. marked 1/4
on N. face, and raised a
mound of stone alongside

58.15

Cross Dry Wash course @ 1/4 mi.

80.15

The cor. to Sec. 3, 4, 9 & 10

Surface level

Soil 4th rate

Grass fair

Scattering brush

T20 S. R 13 E.

Chamis

North on a random line
bet Secs. 3 & 4,

$\text{Vd } 12^{\circ}\text{E.}$

40.00
79.80

Set temporary $\frac{1}{4}$ Sec. cor.
Intersect the N. ldy. of the
T^h 25 links E. of Cor. to Secs
3, 4, 33 & 34. which is a granite
stone 16x10 ins. above the ground
marked with 3 notches on E
edge and a mound of stone
alongside, from which
A Palo Verde tree 8 ins. in dia
bears $S 65^{\circ}\text{E. } 110$ links dist.,
marked T20 S R 13 E. S3, B, T.
A Mesquite tree 10 ins. in dia
bears $S 45^{\circ}\text{W. } 75$ links dist.,
marked T20 S. R 13 E. S4, B, T.
Thence I run

T20 S. R 13 E.

chains

32.80

39.80

S⁰ 11' E. on a true line
bet. Secs. 3 & 4 with same Pa.
cross Dry Wash course & W.
Set a Granite stone
18 x 6 x 5 ins. 12 ins. in
the ground for 1/4 Sec. cor.
marked 1/4 on W. face
and raised a mound
of stone alongside
from which.

A Mesquite tree 8 ins.
in diam bears S 87° W.
65 links, dist marked
1/4 S. B. T.

79.80

The cor. to Secs 3, 4, 9 & 10.
Surface rolling
Soil 4th rate
Grass poor

T20 S. R 13 E,

Chain

Scattering brush

From the Stand cor to
Secs. 32 + 33, T20 S, R 13 E,
which is a granite stone
12x10 ins above the ground
properly notched and mound
of earth and pits of required
size. From North bet. Secs
32 + 33.

W 12° E.

- Ascend gradually
- 32.00 Top of slope and descend at
an angle of 45°
- 38.00 Foot of slope and enter
Valley bears N.W.
- 40.00 Set a granite stone 20x10x10 ins

T 20 S. R 13 E

chains

14 ins. in the ground
for $\frac{1}{4}$ Sec. cor. marked
 $\frac{1}{4}$ on W. face and
raised a mound of
stone alongside from which
a Mesquite tree 14 ins. in
diam bears N 14° E. 1
chain dist. marked
 $\frac{1}{4}$ S. B. T.

50.00

Cross road bears N 14° W.

53.00

Leave Valley and ascend
slope at an angle of 40°

57.00

Top of 40° slope

79.00

Descend gradually.

80.00

After making the
correct allowance I set a
granite stone $18 \times 12 \times 8$ ins.
12 ins. in the ground

220 S. R. 13 E.

Chamie

for cor. to Secs 28, 29, 32 & 33.
marked with 1 notch on ^W and
and 4 notches on E. edges
and raised a mound of
stone alongside.

Surface 700 ft mountainous 65 ch

" Level 15"

Soil 4th rate

Grass poor

Dense brush

East on a random line
bet. Secs. 28 & 33.

Nd 12° E.

40.00 Set temporary 4th Sec. cor.

79.90 Intersect the N & S line at the
cor. to Secs. 27, 28, 33 & 34.

T20 S. R 13E.

Charris

7.90
13.90
39.95

Thence I run

W on a true line bet. Secs
28 & 33. with same Va.

Enter Valley bears S.W.

Leave " " "

Deposited a marked stone
12 ins. in the ground for
 $\frac{1}{4}$ Sec. cor. dug pits 18x18x12
ins. E & W. of stone $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base over it. In E. pit
drove a stake 2 ft. long 2
ins. sq. 12 ins. in the
ground marked $\frac{1}{4}$ S. on
N. face. from which
A mesquite tree 6 ins. in
diam bears N $70^{\circ} 55'$ links

T20 S. R 136.

Charis

dist. marked $\frac{1}{4}$ S. B. T,
A mesquite tree 6 ins. in
diam bears S65°E. 50 links
dist. marked $\frac{1}{4}$ S. B. T,

79.90 The cor. to Secs. 28, 29, 32 & 33

Surface rolling
Soil $\frac{4}{10}$ rate
Grass poor
Scattering brush

North bet. Secs. 28 & 29
W 12° E

Descend gradually

18.00. Descend slope at an angle of 20°

21.00 Enter Valley bears W.

25.00 Across Dry Wash course W.

T20 S. R 13E,

Chains

27.00

Leave Valley and ascend
slope at an angle of 30°

29.50

Top of slope and descend
at an angle of 20°

39.50

Foot of slope.

40.00

After making the correct
allowance I deposited a
marked stone 12 ins. in
the ground for $\frac{1}{4}$ sec. cor.
dug pits $18 \times 18 \times 12$ ins. N & S.
of stone $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft. base
over it. In North pit drove
a stake 2 ft long 2 ins
sq. 12 ins. in the ground
marked $\frac{1}{4}$ S. on N. face

44.00

Cross Dry Wash course West

T 20 S. R 3 E,

Chains

and ascend slope at an angle of 25°

50.00

Top of slope and descend over broken ground

80.00

After making the correct allowance I set a granite stone $18 \times 10 \times 6$ ins. 12 ins. in the ground for cor. to Secs. 20, 21, 28 & 29. marked with 2 notches on S. and 4 notches on E. edges, and raised a mound of stone alongside.

Surface mountainous

Soil 4th rate

No. grass.

Dense brush

T20 S. R 13E.

Chamis

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

Vd 12° E.

40.00

Set temporary 1/4 Sec. cor.

80.25

Intersect the N & S. line 18
links S. of cor. to Secs 21, 22,
27 & 28.

Thence I run

S89° 52' W. on a true line
bet. Secs 21 & 28. with same Vd

40.12

Set a Volcanic stone 25 x 12
x 10 ins. 18 ins. in the
ground for 1/4 Sec. cor. mark
1/4 on N. face and raised a
mound of stone alongside

80.25

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

Surface rolling
Soil 4th rate

T20 S. R13 E.

Chain

Grass floor
Dense brush

North bet. Secs 20 + 21.
Q 12° E.

Descend over rough and
broken ground

40.00 Set a Granite stone 14x10x6
9 ins. in the ground for 1/4
Sec. cor. marked 1/4 on W. face
and raised a mound of
stone alongside. from edge
of Mesquite tree 10 ins. in dia.
bears East 10 links dist.
marked 1/4 S. B. T.

of Mesquite tree 12 ins. in dia.
bears S 84° W. 20 links dist.

T 20 S. R 13 E.

chains

- 40.20 marked 14 S. B. T.
Cross Dry Wash course West.
and ascend over broken
ground
- 55.00 Top of spur bears E. W. and
descend
- 60.00 Foot of slope and cross
Dry Wash course West, and
ascend gradually
- 72.00 Top of ridge and descend
slope at an angle of 16°
- 80.00 After making the correct
allowance I set a Volcanic
stone $9 \times 14 \times 6$ ins. 12 ins. in
the ground for cor. to Secs.
16, 17. 20 & 21 marked with 3
notches on S. and 4 notch
on E. edges, and raised a

T20 S. R. 13 E.

Chamie

mound of stone alongside
Surface Mountainous
Soil 4th rate
Grass poor
Dense brush

East on a random line
bet. Secs. 16 & 21,

$\text{Va } 12^{\circ} \text{E}$

40.00 Set temporary $\frac{1}{4}$ Sec. cor.

80.25 Intersect the $\frac{1}{4}$ line 15 links
S. of cor. to Secs. 15, 16, 21 & 22.

Thence Run
 $S 89^{\circ} 54' \text{W}$. on a true line
bet. Secs. 16 & 21 with same Va .
and descend over rolling
ground

T20 S. R 13E,

Chains

40, 12

Set d Limestone 18x8x4 ins.
12 ins. in the ground for
1/4 Sec. cor. marked 1/4 on
N. face and raised a
mound of stone alongside

50, 25

^{on steep S slope of Dry wash.}
Cross Dry Wash course N.W.

80, 25

The cor. to Secs 16, 17, 20 & 21.

Surface rolling

Soil 4th rate

Grass thin

Scattering brush

North bet. Secs. 16 & 17.

Td 12th E.

1, 00

Cross Dry Wash course N.
and ascend over broken

T20 S. R 13 E.

Chavis

- ground
- 40.00 Set a Granite stone 12x10x4
ins. 7 ins. in the ground
for $\frac{1}{4}$ Sec. cor. marked "4 on
face, and raised a mound of
stone alongside from which
A Mesquite tree 6 ins. in dia
bears $N 45^{\circ} W$. 15 links dist.
marked "4 S. B. T. and descen
- 42.50 Cross Dry Wash course W .
- 53.60 Cross Dry Wash course W .
- 79.00 Cross Dry Wash course W .
- 80.00 Set a Granite stone 14x10x6 ins
8 ins. in the ground for cor. to
Secs 8, 9, 16 & 17, marked with
4 notches on S & E. edges and
raised a mound of stone
alongside.

T20 S. R. 13 E.

Chamis

Surface rough
Soil poor
Grass poor
Dense mesquite brush

East on a random line
bet. Secs. 9 & 16.

$\text{Va } 12^{\circ} \text{ E.}$

40.00

Set temporary $\frac{1}{4}$ Sec. cor.

79.90

Intersect the N + S. line 18
miles S. of cor. to Secs. 9, 10, 15 & 16.

Thence I run

$S 89^{\circ} 52' \text{ W.}$ on a true line
bet. Secs. 9 & 16. with same Va.
and descend over rolling ground

39.95

Set a Granite stone $20 \times 12 \times 8$ in
14 ins. in the ground for $\frac{1}{4}$

T20 S. R 13 E

Chamis

Sec. cor. marked "4 on N. face
and raised a mound of stone
alongside, from which
A Mesquite tree 6 ins. in diam
bears at 55° E. 65 links dist.
marked "4 S. B. T. and
continue to descend over
broken ground

79.90

The cor. to Secs. 8, 9, 16 & 17
Surface rolling
Soil 4th rate
Grass poor
Dense brush

North bet. Secs. 8 & 9.
Va 12° E.

16.00

Descend slope at an ang

T20 S, R13E.

Chains

of 10°

18.00

Foot of slope and cross
Dry Wash course West.
and ascend over broken
ground

40.00

Set a Granite stone 20x12x10
ins. 14 ins. in the ground
for 14 Sec. Cor. marked 14 on
W. face, and raised a
mound of stone alongside.

80.00

Set a Granite stone 14x12x7 ins.
9 ins. in the ground for Cor.
to Secs 4, 5, 8 & 9 marked with
5 notches on S. and 4
notches on E. edges, and
raised a mound of
stone alongside, from which
a Mesquite tree 8 ins. in diam.

T 20 S. R 13 E

Chanis

bears N. 5° E. 90 links dist.
marked T 20 S. R 13 E. S. 4. 00
Surface rolling
Soil 4th rate + stony
Grass poor
Scattering brush

East on a random line bet
Secs. 4 + 9

Va 12 E.

40.00 Set temporary "4 Sec. cor.

80.20 Intersect the N + S line 30
links S. of cor. to Secs. 3, 4, 9 +

Thence from

S 89° 47' W. on a true line
bet Secs. 4 + 9. with same Va.
over rough and broken ground

T20 S. R 13 E.

Chamiz

40.10

Set a Granite stone $14 \times 12 \times 8$ ins. 9 ins. in the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on the face, and raised a mound of stone alongside

42.20

Grass Dry Wash course N.W.

80.20

The cor to Secs 4, 5, 8 & 9.

Surface rolling

Soil $\frac{4}{11}$ rate

Grass floor

Scattering brush

North on a random line
bet. Secs 4 & 5.

Wa 12° E.

40.00

Set temporary $\frac{1}{4}$ Sec. cor.

79.90

Intersect the N. body of the

T 20 S. R 13 E.

Chamis

The 25 links E. of cor. to Secs 4, 5,
32 & 33, which is a granite stone
18x8 ins. above the ground
marked with 2 notches on W.
and 4 notches on E. edges
and a mound of stone
alongside. from which
A Mesquite tree 10 ins. in
diam bears S 55° W. 60 links
dist marked T 20 S R 13 E.
S. 5. B. T.

Thence I run

S 0° 11' E. on a true line bet.
Secs 4 & 5, with same Va.

39.90

Set a granite stone 16x10x11
ins. 11 ins. in the ground
for 1/4 Sec. cor. marked 1/4 on
face. and raised a mound of

T20 S. R. 13 E.

Chain

stone alongside.

46.90 Cross Dry Wash course
of N. and continue over
broken ground.

79.90 The Cor. to Secs 4, 5, 8 & 9.
Surface rolling
Soil 4 th/₁₁ rate
Grass floor
Scattering brush

I carefully examined the
adjustments of my solar
transit to day particularly
the latitude and reversing
apparatus, and found
them to be correct

May 21st 18.85

T 20 S. R 13 E

OK 899

Chains

From the Stand cor to Sec
31+32 T 20 S. R 13 E. which is
a Post properly marked
with mound of earth and
pits of required size, from which
a Mesquite tree 11 ins. in dia.
bears N 12^o W. 328 links dis.
I run North bet. Secs 31+32
N 12^o E.

20.00 Cross Santa Cruz river
course North, and enter
dense Mesquite brush.

40.00 Set a Post 3 ft. long 3 ins. sq
with marked stone 12 ins.
in the ground for 4 Sec. cor
marked 4 S. on E. face, dug
pits 15x18x12 ins. N. & S. of post
5 1/2 ft. dist. and raised a

T20 S. R 13 E.

Chains

78.00

80.00

mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base around post.
Cross road bears ~~N.W.~~ ^{N.W.} ~~to~~ ^{to} E
Set a Post 4 ft. long 4 ins. sq.
with marked stone 12 ins.
in the ground for cor. to
Secs. 29. 30. 31 & 32. marked
T20 S. S29 on N.E.
R13 E. 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. dug pits $18 \times 18 \times \frac{1}{2}$ 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.
Surface rolling

T20 S. R13 E.

Chamiz

Soil 1st/₁₁ rate
Grass fair
Dense brush

East on a random line bet
Secs 29 & 32.

Va 12° E.

40.00 Set temporary 1/4 Sec. cor.

80.40 Intersect the N & S line 18 lines
N. of cor. to Secs 28, 29, 32 & 33.

Thence I run
N 89° 52' W. on a true line
bet. Secs 29 & 32. with same Va.
and descend over rough
ground.

33.40 Foot of slope and ascend at
an angle of 45°

T20 S. R 13 E.

Chains

from which.

A Mesquite tree 8 ins. in
diameter bears S 87° W 40 links
dist. marked T20 S. R 12 E.
S36. B. T.

Thence Drun

N 89° 47' E. on a true
line bet. Secs 30 & 31 with same

28.40

Cross road from Tucson to
Tubac bears N + S. and
descend gradually.

40.20

Set a granite stone 15 x 8 x 8 ins.
9 ins. in the ground for 1/4
Sec. cor. marked 1/4 on N. face.
dug pits 18 x 18 x 1/2 ins. E & W. of
stone 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft.
high 8 1/2 ft. base alongside

T 20 S, R 13 E,

Chains

from which.

An ash tree 8 ins. in diam bears
N 73° W. 125 links dist, marked
1/4 S. B. T.

45.40

Cross Santa Cruz river ^{1 chain wide} course N

48.40

Tapham's house bears North
about 6 chs dist. from this
point.

75.15

Cross road bears N. W. to S. E.

80.40

The cor. to Secs. 29, 30, 31 + 32,

Surface rolling
Soil 1st rate
Grass poor
Dense brush

T20 S. R13E.

Chains

North bet. Secs. 29 & 30.
Pa 12° E.

40.00

Through dense brush
Deposited a marked stone
12 ins. in the ground for
1/4 Sec. cor. dug pits 18x18x12
ins. N & S. of stone 5 1/2 ft.
dist. and raised a mound
of earth 1 1/2 ft high 3 1/2
ft. base over it. In N. pit
drove a stake 2 ft. long 2
ins. sq. 12 ins. in the ground
marked 1/4 S. on W. face. from which
A Mesquite tree 10 ins. in diam
bears N 48° E. 80 links. dist.
marked 1/4 S. B. T.

A Mesquite tree 8 ins. in diam
bears S 65° W. 45 links. dist.

T20 S. R13 E.

Chains

marked 44 S. B. T.

44.00 Cross road bears N. to S.

80.00 Set a Post 4 ft. long 4 ins. dia.
with marked stone 12 ins. in to
ground for cor. to Secs. 19, 20, 24 &
marked T20 S. S20 on N. E.

R13 E. S29 on S. E. S30 on S. W. and

S19 on N. W. faces with 2 notches
on S. and 5 notches on E. 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.

from which

A Mesquite tree 6 ins. in diam
bears N 85° E. 75 links. dist.

Marked T20 S. R13 E. S20 B. T.

Surface level

T20 S, R13E.

Chains

Soil 1st rate
Grass poor
Dense brush

East on a random line
bet. Secs. 20 + 29.
Va 12° E.

40.00
79.80

Set temporary 1/4 Sec. cor.
Intersect the N + S line 12
links S. of cor. to Secs. 20, 21, 28
+ 29.

Thence Run
S 89° 55' W. on a true line
bet. Secs. 20 + 29. with same 90
and over broken ground

39.90

Set a granite stone 3 x 20
x 10 ins. 21 ins. in the ground

T20 S. R 13 E.

Chanis

for 1/4 Sec. cor. marked 14 on N. face. and raised a mound of stone along side

69.80 Descend slope at an angle of 35°

75.30 Enter Valley bears N + S.

77.80 Cross road bears N + S.

79.80 The cor. to Secs. 19, 20, 29 + 30

Surface mountainous 40 chs.
" Level 39.80 chs

Soil 4th rate
Grass poor
Dense brush

West. on a random line bet. Secs. 19 + 30.

Wa 12° E.

T 20 S, R 13 E.

Chains

40.00

79.75

Set temporary 1/4 Sec. cor.
Intersect the W. bdy. of the
T_p 33 links N. of Cor. 1/4 Sec.
19, 24, 25 & 30. which is a granite
stone 20x18 ins. above the
ground marked with 4
notches on N. and 2 notches
on S. mound of earth and
fits of required size, from which
A Mesquite tree 18 ins. in
diam bears S 63° E. 65 links
dist. marked T 20 S, R 13 E
S 30. B. T.

Thence I run

N 89° 45' E. on a true line bet.
Secs 19 & 30. with same Ga.

18.75

Cross road from Tucson
to Tubac bears N & S.

T20 S. R. 13 E.

Chains

39.75

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. cor. dug pits $18 \times 18 \times 12$ in E & W. of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face from which.

A Willow tree 12 ins. in diam bears $S 87^{\circ} W. 40$ links dist. marked $\frac{1}{4}$ S. B. T.

42.25

Enter Santa Cruz Wash Course N

45.50

Leave " " " " " "

46.25

Enter field of Miguel Vajorga

46.75

A Settlers house bears N with about 10 chs. dist. from this

T20 S. R 13. E.

Chains

- 54.25 point
Leave field and enter
dense brush
- 75.60 Cross road bears N+S.
- 79.75 The cor. to Secs. 19, 20, 29 & 30.
Surface rolling
Soil 1st to 2nd rate
Grass floor
Dense brush 25.50 chs
Do " 54.25 "
Cotton wood & Willow trees
along the creek

North bet. Secs. 19 & 20.
Va. 12° E.

- 40.00 Set a granite stone 15x9x6
ms. 9 ins. in the ground

T20 S. R13 E. No. 899

Chain

for 14 Sec. cor. marked 14 on W
face and raised a mound of
stone alongside.

53.00 Cross Dry Wash course W.

80.00 A Volcanic stone in place
which I marked with a cross
(+) at exact cor. point for. cor.
to Secs 17, 18, 19 & 20. with 3
notches on S. and 5 notches
on E. edges. and raised a
mound of stone alongside.

Surface very broken
Soil 4th rate

Grass fair

Scattering brush

BOOK 33
T20, S, R 13, E.

chains

East on a random line
bet. Secs 17 & 20.

@ Va 12' E.

40.00 Set temporary $\frac{1}{4}$ Sec. cor.

79.85 Intersect the st & s. line 18
links S. of cor. to Secs. 16, 17, 20
& 21.

Thence I run

$S 89^{\circ} 52' W.$ on a true line bet.
Secs. 17 & 20 with same Va.

19.85 Enter Dry Wash course S.W.

22.85 Leave " " " "

39.92 Set a Volcanic stone $18 \times 18 \times$
 6 ins. 12 ins. in the ground
for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on
N. face and raised a mound
of stone alongside.

T20 S. R 13 E,

Chamis
79.85

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

Surface rolling
Soil 4th rate & stony
Grass poor
Dense brush

Went on a random line
bet. Secs. 18 & 19.

On 12th E.

40.00

Set temporary 44 Sec. cor.

79.90

Intersect the N. bdy. of the T₂₀
20 links N. of cor. to Secs 13, 18, 19
& 24, which is a Post 4 ins. sq.
in mound of earth marked
T20 S. S18 on N. E.
R 13 E. S19 on S. E. S. 24 on S. W.
and S. 13 on N. W. faces with

520 S. R. 13 E.

Charis

3 notches on N + S. edges, and
 pits of required size, from which
 A Mesquite tree 12 ins. in
 diam bears S 41° 5' E, 530
 links dist, marked 520 S.
 R 13 E. S 19, B. T. 20 links E,
 of ~~Tugoc~~ Tugoc road
 thence run

N 89° 57' E, on a true line lot.

Secs 18 + 19 with same ^{Va.}
_{40 links min}

35.90

Cross Santa Cruz Wash
 course North.

36.90

Old field bears North about
 3 chs. dist. from this point
 leave Santa Cruz Valley
 and ascend gradually.

39.90

Set a Granite stone 14 1/2 x 6 in
 2 ins. in the ground for 1/4 Sec

T20S, R13E.

Chamis

cor. marked "4 on N. face, and raised a mound of stone alongside, from which A Cotton Wood tree 4 ft. in diam bears S 45° W. 250 links dist marked "4 S. B. T.

75.40
79.90

Cross road bears N & S.
The cor. to Secs. 17, 18, 19 & 20.
Surface rolling
Soil 1st to 3rd rate
Grass poor
Dense brush

North bet. Secs. 17 & 18.
Va 12° 9' E.

Over broken ground.

31.00

Cross Dry Wash course N.

T20 S. R 13E.

Chairs

40.00

Set a Granite stone $18 \times 10 \times 7$
 ins. 12 ins. in the ground
 for $1/4$ Sec. cor. marked $1/4$ on
 W. face and raised a
 mound of stone alongside.

43.00

Cross Dry Wash course W.

50.00

" " " " "

80.00

Set a Granite stone $20 \times 16 \times 6$
 ins. 13 ins. in the ground
 for cor. to Secs 7, 8, 17 & 18,
 marked with 4 notches on
 S. and 5 notches E. edges,
 and raised a mound of
 stone alongside.

Surface rolling
 Grass poor
 Soil 4^{th} rate
 Dense brush

T20 S, R13 E.

Charris

East on a random line
bet. Secs. 8 & 17.

Va 12° 9' E.

40.00

Set temporary 1/4 Sec. cor.

80.40

Intersect the N & S line 30 links
S. of cor. to Secs. 8, 9, 16 & 17.

Thence I run

S 89° 47' W. on a true line bet.
Secs. 8 & 17. with same Va. and
descend gradually.

40.20

Set a Granite stone 26x14x10
ins. 18 ins. in the ground
for 1/4 Sec. cor. marked 1/4 on
N. face. and raised a mound
of stone alongside. and
descend along rough N. bank
of wash.

T20 S, R13E.

Chains

72.40

80.40

Leave bank of Dry Wash.
The cor. to Secs. 7, 8, 17 & 18,
Surface rolling
Soil poor
Grass poor
Dense brush

West on a random
line bet. Secs. 7 & 18,

$\text{N } 91^{\circ} 9' \text{ E.}$

40.00

80.15

Set temporary $\frac{1}{4}$ Sec. cor.
Intersect the W. bdy. of
The 25 links S. of cor. to
Secs. 7, 12, 18, & 13, which is
a Post 4 ins. sq. in
mound of earth marked
T20 S. S 7 on N. E.

T20 S, R13 E.

Chains

R13 E. S18 on S. E.

R12 E. S13 on S. W. and S12
on N. W. faces with 2 notches
on N. and 4 notches on S.
edges. and pits of required
size from which.

A Mesquite tree 8 ins. in diam
bears N 40° W, 45 links dist.
marked T20 S. R12 E. S12 B.T.

Thence I run

S 89° 57' E. on a true line bet

Secs 7 & 18 with same Va.

26.15

cross Santa Cruz ^{rising 60 links wide} Course N

40.15

Deposited a marked stone
12 ins. in the ground for "4
Sec. cor. dug pits 18 x 18 x 12 in
E & W. of stone 5 1/2 ft. dist. and
raised a mound of earth

T 20 S. R. 13 E.

Chains

1 1/2 ft. high 3 1/2 ft. base
over it. In E. put drove a
stake 2 ft. long 2 ins. sq.
12 ins. in the ground
marked "4 S. on N. face
from which

A Cotton Wood tree 20 ins.
in diam bears N 85° E. 1

chain dist. marked "4 S. B. T.

49, 15

Lean Santa Cruz bottom
Settler Palvoes house bears
South about 10 chs. dist.
from this point.

55, 15

Cross road bears N. W.

+ S. E. and ascend gradually

80, 15

The cor. to Secs. 7, 8, 17 + 18.

Surface rolling

Soil 2nd/₇ to 4th/₇ rate

T20 S, R13 E.

Chamis

Grass poor
 Dense mesquite brush

North bet. Secs. 7 & 8
 $N 12^{\circ} 9' E.$

- 200 Descend slope at an angle
 of 25°
- 5.00 Cross Dry Wash course W.
 and ascend over broken ground
- 40.00 After making the correct allowance
 I set a Granite stone
 15 x 13 x 10 ins. 10 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. marked
 $\frac{1}{4}$ on W. face, and raised a
 mound of stone alongside.
- 44.00 Descend slope at an angle
 of 25°

T20 S. R13E.

Chains

50.00

Cross Dry Wash course West
face and slope at an angle
of 18°

55.00

Top of slope and descend
along W. bank of hill

62.00

Enter Santa Cruz bottom

80.00

Set a Post 4 ft. long 4 in.
sq. with marked stone 12
in. in the ground for
Cor. to Secs. 5, 6, 7 & 8. marked

T20 S. S 5 on N.E.

R 13E. S 8 on S.E.

S 7 on S.W. and S 6 on N.W.

face with 5 notches
on S & E edges. dug pits 18
 \times 18 \times 12 in. in each Sec.5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft.

T 20 S, R 13 E

Charris

High $4\frac{1}{2}$ ft. base around post.
from which.

A Mesquite tree 10 ins. in
diameter bears S 50° E. 75 links
dist. marked T 20 S, R 13 E.
S. & B. T.

Surface mountainous 62 c
" Level 18 "

Soil $2\frac{1}{4}$ to $4\frac{1}{4}$ rate

Grass poor

Dense brush

East on a random line bet.
Secs. 5 & 8.

On 12° 9' E.

40.00 Set temporary $\frac{1}{4}$ Sec. cor.

79.85 Intersect the N & S. 30 links

T₂₀ S. R 13 E.

Chain

of Cor. to Secs. 4, 5, 8 & 9.

Thence I run
S 89° 47' W. on a true line
bet. Secs. 5 & 8. with same θ .
and descend over rolling
ground.

39.92

Set a Granite stone 10 x 10 x 4
ins. 10 ins. in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
N. face. and raised a
mound of stone alongside
from which.

A Mesquite tree 12 ins. in
diam bears N 45° W. 40
links dist. marked $\frac{1}{4}$ S. B. T.
and enter Dry Wash
ascend gradually out
of wash

40.21

T20 S, R. 13 E.

Chamis

- 69.85 Top of slope and descend
- at an angle of 40°
- 75.85 Enter Valley
- 79.85 The cor. to Secs. 5, 6, 7 & 8.
 Surface mountainous
 Soil 4th rate
 Grass poor
 Dense brush.

West on a random line
 bet. Secs 6 & 7.

γ a $12^{\circ} 9' E$.

- 40.00 Set temporary $1/4$ Sec. cor.
- 79.90 Intersect the West. bay. of the
 T₂₀ 20 links S. of Cor. to Secs
 1, 6, 7 & 12, which is a Post 4 in
 sq. in mound of earth

T20 S. R 13 E..

Chains

marked T20 S. S6 on N.E.
R13 E. S7 on S.E.
R12 E. S12 on S.W. and S
1 on N.W. faces with 1
notch on N. and 5 notches
on S. edges and pits of
required size.

Thence I run

S89° 51' E. on a true line
bet. Secs. 6 & 7 with same W.

6.90

Cross road from Tubac
to Tucson bears N + S.

29.90

Cross Santa Cruz river 75
links Wide Course N.E.

39.90

Deposited a marked
stone 12 ins. in the ground
for 1/4 Sec. cor. dug pits 18x18
x12 ins. E & W. of stone 5 1/2

T 20 S. R 13 E.

Chambers

ft. dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
over it. In E. pit drove a stake
2 ft. long 2 ins. sq. 12 ins. in the
ground marked $\frac{1}{4}$ S. on N. face.
from which.

A Mesquite tree 12 ins. in diam.
bears $S 45^{\circ} W$. 110 links. dist.
marked $\frac{1}{4}$ S. B. T.

74.90 Cross old road bears N. 4. E

79.90 The cor. to Secs. 5, 6, 7 & 8.

Surface rolling
Soil 4th rate

Grass poor

Dense brush

T20 S. R13 E.

Charris

North on a random
line bet. Secs. 5 & 6.

Wa $12^{\circ} 9' E$.

40.00

80.00

Set temporary "4 Sec. cor.
Intersect the N. bdy. of
T₁₉ S. 15 links E. of cor. to
Secs. 5, 6, 31 & 32, which is
a Post 4 ins. sq. in
mound of earth marked
T₁₉ S. S32 on N. E.

R13 E. S5 on S. E.

T₂₀ S. S6 on S. W and S31
on N. W. faces with 5
notches on E. and 1 notch
on W. edge, and fits of
required size.

Thence Iron
S $0^{\circ} 6' E$. on a true line bet.

T20 S. R 13 E.

Chains

Secs. 6 & 7 with same Sta.

3.00 Cross Dry Wash course East.

26.00 Cross Santa Cruz river / Char
wide course N.E.

26.50 Cross Water Corral

28.00 House of Manuel Amado bear
East about 6 chs. dist from
this point.

37.00 Leave Santa Cruz bottom
bear N.E.

40.00 Set a Granite stone 18x10x8
ins. 11 ins. in the ground for
1/4 Sec. Cor. marked 1/4 on W. side
and raised a mound of stone
alongside, from which
• A Mesquite tree 8 ins. in diam
bear West 50 links dist.
marked 1/4 S. B. T.

T 20 S. R 13 E.

Charris

57.00

Cross old road bears
N.E. + S.W.

80.00

The cor. to Secs. 5, 6, 7 + 8
Surface level
Soil 2 ^{ord}/₄ to 3 ¹/₄ rate
Grass poor
Dense brush

May 25th 1885

General Description

This township lies between the Santa Rita and Payanita mountains.

The Santa Cruz river runs North through the Western part of the township and the Valley is from one to two miles wide, in which the soil is very rich.

There is water in the Santa Cruz river only in some places and is used for irrigating purposes, most of the bed of the stream being dry at this season of the year.

The mesas are covered with brush, and the soil, an

is very poor.

Tapham's House is
in the S.E. 1/4 of Sec. 30.

Gastelo's House is in the
S.E. 1/4 of Sec 19.

Polvor's House is in the
N.E. 1/4 of Sec 18.

Amado's House is in the
N.W. 1/4 of of Sec. 5.

For final oaths see book
No. 4.

U. S. Surveyor General's Office,

Tucson, Arizona, Nov 4th 1885-

The foregoing Field Notes of the Survey of the

Subdivision lines of T^p 20 S
Range 13 East.

Of the Gila and Salt River Base and Meridian, Arizona, execu-

ted by Louis WolfleyDeputy Surveyor, under his contract of the 11thday of April, 1885, having been

critically examined and the necessary corrections and explana-

tions made, the said Field Notes and the surveys they describe

are hereby approved

Royal A. Johnson
Surveyor General.