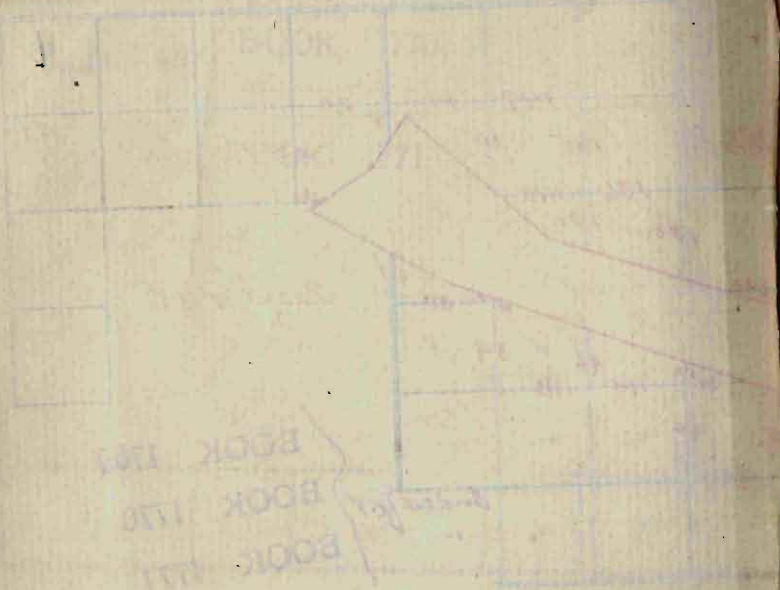


Recd 4/18

Copied by G. V. May 21/03.

Completed 6/18/03.



Field Notes

BOOK 1769

A

Of the survey of
Section and Township lines

Townships Nos. 22 South

Ranges Nos. 14, 15 and 16 East

of the
Gila and Salt River Basins and Maricopa
crossing on the boundaries of the San
Jose de Sonora land grant.
Situated in Santa Cruz County.

In the

Territory of Arizona

as surveyed by

Philip Condon

U. S. Deputy Surveyor

Under his contract No. 105.

Dated November 29, 1902.

Survey commenced January 29, 1903.

Survey completed February 7, 1903.

BOOK 1769
Preliminary Oaths of Assistants.

We, *John M. Trayer*.....
and *George A. Hawley*....
do solemnly swear that we will well and faithfully execute
the duties of Chain Carriers; that we will level the chain
upon even and uneven ground, and plumb the tally pins,
either by sticking or dropping the same; that we will report
the true distance to all notable objects, and the true lengths
of all lines that we assist in measuring, to the best of our
skill and ability, and in accordance with instructions given
us, in the survey of the *section and*....
township lines closing....
on the boundaries of
the San Jose de Sonora
Land of ^{grants} Tps. 22 S. R. 14, 15 & 16 E

of the Gila and Salt River Base and Meridian, in the Ter-
ritory of Arizona.



John M. Trayer Chainman.
G. A. Hawley Chainman.
..... Chainman.
..... Chainman.

Sworn and subscribed before me, this *29th*.....

day of *January*..... 190 *3*

Howes Dauter.....
Notary Public.

[SEAL.]

Commission Expires Jan. 11, 1907.

We, *Tom Launce* ^{and} *J. Canute*

J. Canute BOOK 1769

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

in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the *section and*

township lines closing on the boundaries of the San Jose de Sonvilla land grant of Apr. 22 A. P. 14, 15 & 16 E.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

Tom Launce Flagman.
J. Canute Axeman.
Axeman.
Axeman.

Subscribed and sworn to before me this *29th*

day of *January*, 190*3*

Howes Canute
Notary Public.

Closings of sec. and 1/2 lines on the Edes
Chain

Survey commenced January 29, 1903, and
terminated with a young and low
light, magnificent transit No 5607,
with solar attachment, as hereafter
described.

Having completed the survey of the extension of
the San José de Suroeste land grant, I
proposed to close the old sec
lines on said extension.

After diligent search, I find the old cor of
secs 13, 14, 23 and 24, 3/4 20 S, R 15 E, which
is a decayed stake lying in the
ground, with marks obliterated.

To reestablish cor at same point as
follows:

Set a granite stone 20 x 16 x 10 ins, 14 ins
in the ground, for cor of secs 13, 14, 23
and 24 marked with 1 notch on E and 4
notches on S. edges, from which

San Juan *de Sonora* land grant.
 Chumil

An pole, 20 ins diam, bears S. 52° W, 183

chs dist, marked P 22 S, P 15 E, S 23 B S.

An pole, 28 ins diam, bears S 69° W, 172

chs dist marked P 22 S, P 15 E, S 23 B S.

no other trees within limit, and raise
 a mound of stone 2 ft base, $1\frac{1}{2}$ ft high,
 N. of cor. Pits impracticable.

From the above cor S run

North bet sees 13 and 14.

Over mountainous land, ascending.

1.23

Enter set S. edy of the San Juan de
 Sonora land grant at a point from which
 the S with cor of the grant bears S 70° W,
 15.93 chs dist.

Set a sandstone 18 x 10 x 8 ins, 12 ins in
 the ground, for closing cor of parcel sees
 13 and 14, marked C on S, S of S on
 N, with 1 groove on E face and raised
 mound of stone 2 ft base, $1\frac{1}{2}$ ft high,

Closings of ice and the bars on the bars
Chains

- S of ice. Pits impracticable.
 Thinner across front on a blank line.
- 2.40 Top, bars Easterly and Westerly; begin steep descent.
- 4.00 Foot, 45 ft below top of descent, bars N. Westerly and S. Easterly.
- 4.50 Dry creek, 20 lbs wide, course N. Westerly.
- 6.00 Ascent.
- 10.00 Top of spur, 40 ft above creek, extending S. Westerly.
- 11.40 Descent.
- 12.55 Foot, 40 ft below top of spur, bars N. Easterly and S. Westerly; ascent.
- 16.00 Top, bars N. Westerly and S. Easterly.
- 18.00 Descent.
- 22.00 Foot, 40 ft below top of descent, bars N. Westerly and S. Easterly; ascent.
- 29.85 Top of red ridge, near Central monument.
- 3.00 Begin descent of N. slopes of ridge.

of the San Jose de Sonvita land grant.

Chimel

Through dense oak undergrowth.

37.80 Dry creek, 180 ft below top of ridge, so the
near course S. Westerly; have dense oak
undergrowth, and enter draw, course S.
Westerly.

38.90 Road, bears Easterly and Westerly.

39.68 Old $\frac{1}{4}$ cor point.

41.35 Old road bears N. W. Westerly and S. S.
Easterly; have draw and ascend through
dense mesquite and piñon undergrowth.

42.70 Top of bench 40 ft above draw, then
descend to Sonvita valley.

56.15 Road from Patagonia to Nogales bears
N. Easterly and S. Westerly.

62.00 Have dense undergrowth, bears Easterly
and Westerly; descend abruptly from
bench.

62.61 Irregular ditch, 8 lbs wide, course
Westerly, and enter Sonvita valley,

Drawings of 1/4 and 3/4 lines on the Colorado

Chambers

bars Eastwly and Westwly.

62.83 Wire fence bars N. 45° E and S 45° W.

63.84 Middle of single track of the Arizona
and New Mexico railroad, bars N. 45° E,
and S. 45° W.

64.32 Telegraph line, bars N. 45° E and
S. 45° W.

64.40 Wire fence bars N. 45° E and S 45° W.

65.76 Left bank Sonora creek, 10 ft high,
bars N. Westwly and S. Eastwly

66.26 Right bank Sonora creek, 10 ft high,
bars N. Westwly and S. Eastwly; Wire
fence bars N. Westwly and S. Eastwly
and interplowed field.

71.00 Ashburn's house, bars about 15, chs E.

75.00 Acosta house, bars about 8 chs E.

78.97 Wire fence, bars N. 60° E and S 60° W,
bare field.

79.00 Canal, bars 6 chs W.

of the San Jose de Sonora land grant.

Chain

79.10 Road bars N. 60° E and S. 60° W.

79.20 Gate house bars 2 chs W.

79.60 Wire fence, bars N. 60° E and S. 60° W.

Old ore er point.

Land, mountainous and level.

Soil, rich, loam, gravelly and stony;
1st and 4th rate.

Timber scattering oak and mesquite,
undergrowth oak, mesquite and tsota.
Mountainous or land covered with
dense undergrowth, 57.15 chs.

From ore point of sres 11, 12, 13 and
14, $\frac{1}{4}$ and ore er bar North

Through B 7m

North, bet sres 11 and 12, across grant on
of ^{San Jose} level land, through dense mesquite
and tsota undergrowth.

17 Wire fence, bars N. Easterly and S. Westerly.

Closings of sec and 1/2 lines on the lower
chain

.64 Run from bars N. Westerly and S.
Easterly.

3.00 Run parallel, bars Easterly and
Westerly, as end.

8.32 In the set N. Ely of the San Jose,
de Siquita land grant at a point from
which the 19 1/2 mile cor of the grant bears
N. 48° 54' E, 5.78 chs dist.

Set a granite stone 26 x 14 x 6 ins, 20 ins
in the ground, for closing cor of
gravel sec 11 and 12, marked C. C. on
N. S. & S. S. with 1 groove on E. face,
from which

A magenta 6 ms chain, bears S 64 1/2° W,
70 chs dist, marked S 22 S, R 15 E S
11 B S. no other trees within limit,
and ^{rais} a mound of stone, 2 ft base,
1 1/2 ft high, N. of cor. Site impracticable.
Plumer & continue.

of the San Jose de Sinita land grant.

Claims

11.00

Ground cross undergrowth, bars
Easterly and Westerly.

12.00

Top, 60 ft above valley, bars N. W.
Westerly and S. S. Easterly; begin ascent
along E. slope of ridge.

23.70

Top, bars Easterly and Westerly; begin
steep descent.

27.30

Foot, 80 ft below top, bars Easterly
and Westerly; ascend.

29.50

Top of ridge, 80 ft above foot, bars
Easterly and Westerly; turner along
N. slope.

34.00

Descent.

35.60

Foot, 40 ft below top of slope, bars
Easterly and Westerly; begin ascent
S. E. slope of high mountain.

39.65

Old $\frac{1}{4}$ sec cor, which is a decayed stake
lying on the ground. I reestablish cor
at same point, as follows:

Clearings of ore and Mr Lewis on the bars
Chimio

- Set a porphyry stone 18x7x7 ins, 12 ins in the ground, for $\frac{1}{4}$ ore cor, marked $\frac{1}{4}$ on N. face and raise a ground of stone 2 ft base, $1\frac{1}{2}$ ft high, N. of cor. Pits impracticable.
- 46.75 Top of spur, 400 ft above foot, extending N. Easterly; top of mountain bars about 7 chs N; descend.
- 58.30 Gulch, 200 ft below top of spur, 15 chs wide, course N. Westerly; ascend.
- 61.70 Top, 40 ft above gulch, bars N. Westerly and S. Easterly; descend.
- 63.00 Foot, bars N. Easterly and S. Westerly; ascend.
- 70.25 Top of ridge, 100 ft above foot, bars N. Westerly and S. Easterly; descend.
- 79.20 Rayna, 70 ft below top of ridge, 20 chs wide, course N. Westerly; ascend.
- 79.90 Old ore cor, which is a dredged post

of the Sun Govt de Sonirta land grant.

Chain

lying on the ground with marks obliterated.

I reestablished in at same point as follows:

Set a purple grey stone 18 x 12 x 6 ins, 12 ins in the ground, for cor of secs 1, 2, 11 and 12, marked with 1 notch on E.

and 5 notches on S. sides, from which

An oak, old B S, 20 ins diam, bears

S 16° E, 119 lks dist, which I remark

S 22 S, R 15 E, S 12 B S.

An oak, old B S, 24 ins diam, bears

S 56 1/2° E, 123 lks dist, which I remark

S 22 S, R 15 E, S 12 B S.

An oak, 10 ins diam, bears N 73 1/2° W, 211

lks dist, marked S 22 S, R 15 E, S 12 B S;

no other trees within limit, and raised a

mound of stone 2 ft base, 1 1/2 ft high,

N. of cor. Site impracticable

Land, mountainous and level.

Soil, rich loam, gravelly and stony;

Closings of srs and Mr Lewis on the Adams
Chain

1st, 3rd and 4th notes.

Timber, scattering oak, undergrowth,
mosses and brook.

Mountainous or land covered with dense
undergrowth, 79.90 chs.

From ev. point of srs 1, 2, 11 and 12
¼ and across bar East.

Sharp on Bar

East, bet srs 1 and 12

Very mountainous land, ascending.

9.30 Top of ridge, bars Northwly and
Southwly; thence along s. slope.

11.80 Descend.

23.00 Top, bars Northwly and Southwly;
ascend.

26.00 Top, bars N. Westwly and S. Eastwly;
descend.

27.00 Top, bars N. Westwly and S. Eastwly,

of the San Jose de Sonora land grant.

Chain

ascend.

32.00 Top of ridge, 100 ft above foot, bears
Northwly and S. wthly; descend.

39.85 Old $\frac{1}{4}$ sec ev, which is a scattered mound
of stone. To establish ev at same point as
follows:

Set a porphyry stone $18 \times 12 \times 10$ ins, 12 ins
in the ground, for $\frac{1}{4}$ sec ev, marked $\frac{1}{4}$ on
N. face, from which a

An oak 14 ins diam, bears $S 32^{\circ} E$, 104
lbs dist, marked $\frac{1}{4}$ Sec B I, no other tree
within limit, and raise a mound of stone
2 ft base, $1\frac{1}{2}$ ft high, N of ev. Pts un-
practicable.

40.35 Ravine, 60 ft below top of ridge, course
S. W. wthly; ascend.

45.50 Top of ridge, 40 ft above ravine, bears
N. W. wthly and S. E. wthly; descend.

Drawings of Ice and Sprains on the Bears
Clains

- 50.00 Foot, 90 ft below top of ridge; enter draw
course Southerly.
- 52.00 Ground draw and ascend.
- 53.50 Top of spur, 60 ft above draw, extending
S. Westerly.
- 54.50 Ascend
- 55.10 Foot, 40 ft below top of spur; bears
Northerly and Southerly; ascend.
- 62.50 Top of sharp ridge, 60 ft above foot, ^{draw}
- 65.00 Foot, 40 ft below top of spur, bears
N. Easterly and S. Westerly; ascend.
- 67.25 Top of spur, extending S. Westerly;
descend.
- 69.75 Foot, bears N. Easterly and S. Westerly;
ascend.
- 70.70 Top, bears N. Easterly and S. Westerly;
descend.
- 73.30 Foot; enter Sonita valley, bears
N. Easterly and S. Westerly.

of the San Jacinto de Santa land grant.

79.00 Canal, bears 10 lbs S.

79.40 Well, bears 40 lbs N.

81.00 Entrance E. bdy of the Spr at a point
where I find faint traces of old cor. I
reestablish cor at same point as follows:

Set a porphyry stone $28 \times 14 \times 8$ ins, 21 ins
in the ground, for cor of secs 1, 6, 7 and
12, marked with 1 notch on N. and 5
notches on S edges from which

A survey into 5 ins diam, bears $N 84^\circ E$,

155 lbs dist, marked Sec S R 16 E S 6 B S

A survey into 6 ins diam, bears $S 21 \frac{1}{4}^\circ W$ 168

lbs dist, marked Sec S R 15 E S 12 B S

No other trees available; dig

pits $18 \times 18 \times 12$ ins, 12 ins deep in
secs. 1 and 7 and raise a mound
of earth 3 ft base, 2 ft high W. of cor.

From this cor. the S.E. cor of V.

Valpuzurra's house bears $N 3 \frac{3}{4}^\circ W$ 3.21
lbs dist.

Blonings of Sec and Sp lines on the below
chains

Round, mountainous and level
Soil, rich loam, gravelly and stony, 1st,
3rd and 4th rate.

Timber, scattering oak and mesquite.
Mountainous land, 71.60 chs.

From cor of sres 1, 6, 7 and 12 $\frac{1}{4}$ sec on
bars S 0° 5' E

Sherrif on S run

South 0° 5' E bet sres 7 and 12

Over level land.

3.13 Wire fence, bars N. N. Westly and
E. S. Easterly, into grain field.

5.05 Wire fence, bars E. N. Easterly and
N. S. Westly, from grain field.

penitae
10.50 Dry creek 25 chs wide course S. Westly

12.70 Road, bars Easterly and Westly.

13.00 Adobe house, bars about 7 chs W.

29.68 Wire fence, bars N 57° E and S 57° W.

of the San Juan de Somata land grant

Chains

3005 Silygraph line, bears N. 57° E and S. 57° W.

3070 Middle of single track of the Arizona
and New Mexico railroad, bears N. 57° E.
and S. 57° W.

3150 Run from, bears N. 57° E and S. 57° W.

3290 Intersect W. bdy of the San Juan de
Somata land grant, at a point from
which the 2, mile en of the grant,
bears S. 56° E, 22.05 chs dist.

Set a sandstone 25 x 12 x 10 ins, 21 ins in
the ground, for closing cor of fract
ses 7 and 12, marked C & G on N, and
S & D on S faces, with 6 grooves
on E and W faces from which

4 mrs 9 in, 6 ins diam, bears N. 40 1/2° E,
136 chs dist, marked S 22 S B 16 E S 7 B B.

A mrgg. with 7 ins diam, bears N. 61 1/4° W,
84 chs dist, marked S 22 S B 15 E S 12 B B.
Land, hml.

Closings of Ice and the lines on the Peter
Channel

Soil, rich and sandy loam. 1st rate
Timber, scattering musquitos.

From ea of sees 1, 6, 7 and 12,
old see in bar S. 89° 50' E

Thurston's Bar.

S. 89° 50' E, bet sees 6 and 7.

Over bar land.

- .65 Wind fence, bars N. and S.
2.10 Road, bars N. Easterly and S. Westerly.
6.35 Drydock 80 lbs wide, course S. Westerly.
20.00 Church, Patagonia, bars 6 chs S.
20.71 Wind fence, bars N. and S.
21.95 Center of depot, bars about 8 chs S.
23.95 Hotel, bars about 7 chs S.
24.95 House, bars 3 chs N.
27.22 Road, bars N. Easterly and S.
Westerly.
29.95 Smelter, bars about 7 chs S.

of the San Juan de los Rios land grant.

Chimia

34.23

Wire fence bars N and S.

39.95

At this point diligent search fails to find any trace of old cor. To establish this cor at a point N $89^{\circ}50'W$ of cor of sec 5, 6, 7 and 8, 4000 chs dist, as follows:

Set a sandstone $18 \times 8 \times 5$ ins, 12 ins in the ground for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ on N. face; dig pits $18 \times 18 \times 12$ ins E and W of stone, 3 ft dist, and raise a mound of earth $3\frac{1}{2}$ ft base, $1\frac{1}{2}$ ft high, N of cor. From this point to the Crispin's house bars N. 150 chs dist.

40.25 Wire fence, bars N. and S.

43.50 Road, bars N. Easterly and S. Westerly.

45.25 Wire fence, bars N. $56^{\circ}E$ and S. $56^{\circ}W$.

45.38 Telegraph line, bars N. $46^{\circ}E$ and S. $46^{\circ}W$.

45.45 Windmill, bars 3 chs S.

4662 Middle of single track of the Arizona and New Mexico railroad, bars N. $46^{\circ}E$ and

Blossings of Sec and Mr Lairs in the beds
Chumie

S 46° W.

46.95 Wire fence, bars N. 46° E and S 46° W.

57.40 Entire dry bed Sommital creek, course

S. Westly

67.45 Gravel creek bed

79.95 Find faint traces of old sec cor. I
reestablish cor at same point as
follows:

Set a sandstone 28 x 10 x 10 ins, 21 ins
in the ground, for cor of secs, 5, 6, 7
and 8, marked with 5 notches on E
and S. faces; dig pits 18 x 18 x 12 ins in
each sec, 5 1/2 ft dist, and raise a
mound of earth 4 ft base, 2 ft high
W. of cor.

Land, level.

Soil, rich and sandy loam, 1st
and 2nd rate.

No timber.

of the San Jose de Sonora Land grant
Charris

From cor of sres 5, 6, 7 and $8\frac{1}{4}$ and sres
cor bar $S 0^{\circ} 26' W$.

Thence cor S run

$S 0^{\circ} 26' W$ to sres 7 and 8.

Over level land.

18.17 Wire fence, bars E. and W.

18.60 Road, bars E. and W.

19.05 Wire fence, bars E. and W.

21.00 Cross Sonora valley, bars Easterly and
Westerly; ascend.

21.50 Burnett's house, bars about 15 chs W.

22.10 Top of small spur of mesa, extending
Westerly; descend.

25.00 Enter draw, course N. W. Westerly.

26.70 Dry wash, 15 chs wide, course N. Westerly.

27.20 Leave draw and begin steep ascent.

31.20 Top, 60 ft above draw, bars N. Westerly
and S. Easterly; thence over level land.

4.000 Old $\frac{1}{4}$ cor, which is a scattered mound of

Closings of Ireland Sp. Lins on the Lins
Chain

stone. To establish ev at same point
as follows:

Set a sandstone 15 x 8 x 6 ins, 12 ins
in the ground, for $\frac{1}{4}$ sec ev, marked
 $\frac{1}{4}$ on W. face, and raise a mound
of stone 2 ft base, $1\frac{1}{2}$ ft high, W
of ev. Pits impracticable.

51.90 Drownd

52.85 Dry wash, 10 lbs wide, course N. W. stately;
asend.

53.50 Top.

57.00 Basin, bars 3 lbs E.

58.25 Drownd.

60.60 Inter draw, 4 1/2 ft below top, course
N. W. stately,

63.00 Dry creek, 20 lbs wide, course N.
W. stately.

64.25 Lower draw and begin steep ascent.

67.80 Top, 80 ft above creek, thence over

of the San José de Sonora land grant.

Chain

gradually rising ground.

78.35 Wind finer, blows Easterly and Westerly.

8.00 Old bed wt which is a scattered mound of stones. I establish wt at same point as follows:

Set a granite stone 18 x 10 x 10 ins, 12 ins in the ground, for wt of sees 7, 8, 17 and 18, marked with 5 notches on E and 4 notches on S edges: and raise a

mound of stone 2 ft base, 1½ ft high N. of wt. Pits impracticable.

Land, level and mountainous.

Soil, sandy, clammy, gravelly and stony, 1st 3rd and 4th rate.

Timber, scattered oak and mesquite.

Mountainous land 18.15 chs.

January 29. 1903

January 30. At 4^h 50^m a.m. I set

Observations of Sec and Mr. Lewis on the Island
Chumel

off $31^{\circ} 32' N$ on the lat arc, $17^{\circ} 48' E$
on the decl arc, and determine a true
meridian with the solar at the end of
sves 7, 8, 17 and 18

From this point $\frac{1}{4}$ and see obs bear
 $N. 89^{\circ} 47' W.$

Sherrard Point

$N. 89^{\circ} 47' W.$, bet sves 7 and 18.

Over land sloping N°

6.11 Wire fence, bears $N. Easterly$ and $S.$
 $Westerly$

10.04 Begin ascent to

11.54 Beacon, 1 ch high, course $N. Easterly$,
asend.

19.12 Intersect S. body of the Sun foss
at Louisa land point, at a point from
which the S. E. government bears
 $N. 56.25^{\circ} E$, 10.14 chs dist.

Set a sandstone $20 \times 16 \times 12$ ins, 14 ins in

of the San Jose de Serrita land grant.
Claim

The ground for closing cor of parcel nos
7 and 18, marked C C on E and S of S
in W. of users with 4 corners on S. face,
from which

1. An oak, 8 ins diam, bears S 67° E, 7 lbs dist,
marked S 22 S. B. 16 E. S. 18 13 S.

2. An oak, 8 ins diam, bears ^S 82 1/2° E, 96 lbs
dist, marked S 22 S. B. 16 E. S. 18 13 S.

Spurs across grant on a bench line.

20.04 Top of N slope of ridge, 60 ft above ravine
descend.

22.61 Rock fence, bears N. Westerly and S.
Easterly.

30.89 Dry creek, 150 ft below top of slope,
20 lbs wide, course Northerly; ascend.

35.24 Top of spur, 60 ft above creek, extending
Northerly; descend.

37.99 Dry wash 60 ft below top of spur, 10
lbs wide, course Northerly; ascend.

40.04 Old 4 cor points

Closings of Sec and Sp lines on the Cedar
Chain

From this point old sec. cor

begins $N 89^{\circ} 45' W$

Therefore S run

$N 89^{\circ} 45' W$ bet secs. 6 and 7
ascending

2.24 Top

4.04 Descend

5.54 Dry wash, 10 lbs wide, course Northwesterly
ascend.

10.94 Top of spur, 80 ft above wash
extending Northwesterly; descend.

15.54 Dry wash, 60 ft below top of spur,
10 lbs wide, course N. Westerly; ascend

20.94 Top, bears N. Westerly and S.
Easterly; descend

25.94 Gulch, 40 lbs wide, course N. Westerly;
ascend.

29.19 Top of spur, 60 ft above gulch,
extending Westerly; descend.

of the San Juan de Sonora land grant.

Chain

- 32.94 Dry creek, started to
 34.24 Gulch, 50 ft below top of spur,
 35.34 Draw gulch, begin steep ascent.
 37.94 Top, and descend.
 39.98 Old ore er point.

Land, mountainous and level.

Soil, gravelly; red and red note.

Timber, scattering oak.

Mountainous land, 7,000 chs.

From ^{point} er, of sres 7, 12, 13 and 18
 $\frac{1}{4}$ sre er bears $S 0^{\circ} 43' W$.

Shawson Run

$S 0^{\circ} 43' W$ bet sres 13 and 18, across grant
 via blank line
 over mountainous land, ascending.

- 1.64 Top of spur, extending Westward; descend.
 3.64 Foot, 50 ft below top of spur, enter gulch
 course N. Westward.
 4.04 Dry creek, 20 lbs wide, course Westward.

Closings of Ore and Sp. Lins on the beds

- Chain
- 4.50 Cross gulch and ascend.
- 5.90 Top of bank, 50 ft above gulch; descend.
- 10.34 Gulch, 20 lbs wide, course Northwaly; begin steep ascent.
- 17.60 Top of ridge, 240 ft above gulch, bars Easterly and Westerly; descend.
- 24.70 Foot, 200 ft below top of ridge; enter gulch, course Westerly.
- 25.60 Dry creek, 50 lbs wide, course Westerly
- 27.14 Dry gulch, and begin ascent through heavy oak timber.
- 34.44 Top of spur, 250 ft above gulch, extending Westerly; cross oak timber and descend.
- 38.44 Gulch, 50 ft below top of spur, 20 lbs wide, course Westerly; ascend to
- 40.34 Old $\frac{1}{4}$ c. point.

From this point ore or bars

S. $0^{\circ} 3' E$

Thompson Run

of the San Jose de Soncita land grant

Chain

S. 0° 3' E. bet sees 13 and 18.

Ascending

.60

Top of spur, 90 ft above gulch, extending
Westerly; begin steep descent

1.01

Enter bet S. edge of the San Jose de
Soncita land grant at a point from
which the 2 mile cor of the grant, bears
S 52° 25' W, 23.32 chs dist.

Set a gundstone 24 x 14 x 8 ins, 18 ins
in the ground, for closing cor of parcel
sees 13 and 18, marked S of D S on W
and C C on S faces, with 6 grooves
on E and N. faces, from which
An oak, 8 ins diam, bears S 20 1/4° E, 50 chs
dist, marked P 22 S B 16 V S 18 13 S.
An oak, 3 ins diam, bears S 39 3/4° W, 52
chs dist, marked P 22 S B 15 E S 13 13 S.
Plower B continued.

5.30

Gulch, 200 ft below top of spur, 10 chs

Drawings of Lee and Mr Lewis on the beds
 Channel

- ridge course Westerly; begin steep ascent
 through heavy oak timber.
- p 10.20 Top of spur, 200 ft above gulch, extending
 Westerly; have heavy timber and begin
 steep ascent.
- 18.30 Enter gulch, 300 ft below top of spur,
 course Westerly.
- 19.11 Dry creek, 15 lbs wide, course Westerly.
 have gulch and begin steep ascent through
 heavy oak timber and manzanita undergrowth.
- 27.22 Top of ridge, 300 ft above gulch, ex-
 tending Westerly; have heavy timber
 and undergrowth and descend.
- 32.60 Gulch, 150 ft below top of ridge, 20
 lbs wide, course Westerly; ascent through
 heavy oak timber.
- 35.30 Top of spur, 60 ft above gulch, extending
 Westerly; descend.
- 38.70 Gulch, 80 ft below top of spur, 20 lbs

of the San Jose de Sonora land grant.

Chain

with course N. Westerly; as usual.

39.30 Old syc. cor. which is a decayed post lying on the ground, with marks partly obliterated. I reestablish cor. at same point as follows:

Set a sandstone $28 \times 14 \times 8$ ins, 21 ins in the ground, for cor. of sycs 13, 15, 17 and 24 marked with 3 notches on N. and S. edges. from which

A scrub oak, old B S 10 ins diam bears S. 46° W, 14 lbs dist, which I remark S 22 S R 15 E S 24 B S.

An oak, 10 ins diam bears N. 46° W, 159 lbs dist (old B S) which I remark, S 22 S R 15 E S 13 B S; no other trees within limit and raise a mound of stone 2 ft base, $1\frac{1}{2}$ ft high, W of cor. Site impracticable.

Land, mountainous

Closings of ore and the lines on the bars
chain

Soil, gravelly; 2nd 3rd rate.

Timber, oak, undergrowth, manganese
and oak.

Mountainous or hilly timbered land
79.64 lbs.

From ore of ores 13, 18, 19 and 24, $\frac{1}{4}$
and ore ore bar N. 89° 53' W.

Therefore from

N. 89° 53' W, bet ores 13 and 24.

Over mountainous land, ascending through
some manganese and oak undergrowth.

3.86 Enter heavy oak timber, bars N. Westerly
and S. Easterly.

4.86 Popl, bars N. Westerly, and S. Easterly;
descend.

5.76 Gully, 10 lbs wide, course Northerly,
ascend.

7.11 Popl, 50 ft a broad gully, descend.

The San Juan de Sonora land grant

Chain

- 15.86 Gulch, 10 lbs wide course Northwly; ascend.
- 17.36 Top of spur, extending Northwly; descend.
- 21.66 Deep gulch, course Northwly; ascend.
- 22.60 Draw, cross gulch, with bars Northwly
and Southwly.
- 23.80 Top of spur, extending Northwly; bars
heavy oak timber, bars N. Easterly and
S. Westerly; descend.
- 26.10 Gulch, 10 lbs wide, course N. Easterly;
ascend.
- 30.85 Top of spur, 50 ft above gulch, extend-
ing Northwly; descend.
- 34.10 Gulch, 60 ft below top of ridge, course
Northwly; ascend.
- 36.80 Top of spur, 40 ft above gulch,
extending Northwly; descend.
- 39.53 Old $\frac{1}{4}$ cor which is a dredged post lying
on the ground with marks obliterated.
Reestablish cor at same point as follows:

Drawings of 590 and 591 lines on the Cedar
Chain

Set a granite stone $18 \times 8 \times 6$ ins, 12 ins in
the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ on
N face, from which
An oak 2 ins diam bears N. 18° E, 71 lbs
dist, marked $\frac{1}{4}$ S 13 B S.
An oak 2 4 ins diam bears S. 30° W, 117
lbs, dist, marked $\frac{1}{4}$ S. 24 B S.

39.76 Gully, 50 ft below top of spur, course
Northwly; ascend.

43.31 Top of spur, 50 ft above gully, extending
Northwly; descend.

47.65 Gully, 80 ft below top of spur, course
Northwly; ascend.

50.55 Top of spur, 40 ft above gully, extending
Northwly; descend.

53.95 Gully, 50 ft below top of spur, course
Northwly; ascend.

55.10 Top of spur, 50 ft above gully, ex-
tending Northwly; descend.

of the San Jose de Sinaloa land grant.

Chain

- 60.65 Gully, 100 ft below top of spur, course
N. Easterly; ascend.
- 62.10 Top of spur, 60 ft above gully, ex-
tending N. Easterly; descend.
- 65.35 Ravine, 80 ft below top of spur, course
Northerly; ascend.
- 72.65 Top of ridge, 80 ft above ravine, bears
N. Westerly and S. Easterly; descend to
- 78.86 Cor of sites 13, 14, 23 and 24, as heretofore
described.

Land, mountainous.

Soils, gravelly sand stony; 3rd and
4th rates.

Timber, oak, undergrowth manzanita
and oak.

Mountainous, heavily timbered, or land
covered with dense undergrowth,
78.86 cont.

Clearing of ore and M lines on the bars
Charris

From cor of sres 13, 14, 23 and 24.
¼ sre cor, bars, West.

Plumford Pond

West, bet sres 14 and 23.

Dry mountainous land. descending.

1.59 Dry wash, 20 lbs wide, course N. Westerly.
ascend.

3.39 Intersect S. bdy of the San Jose
de Sorvita land grant at a point from
which the 3 mile cor of the grant bears
S. 70° W. 12.33 chs dist.

Set a sandstone $18 \times 10 \times 8$ ins, 12 ins in the
ground for clearing cor of parcel sres 14
and 23, marked S of N S on N and S
on S faces, with 3 grooves on S face.

from which

An oak, 8 ins diam, bears N 23° E, 12 chs
dist, marked S 227 S R 15 E S 14 B B.

An oak, 6 ins diam, bears S 48° E, 5 chs

The Sun for the Sonora land grant.

Chassis

dist marked S 22 S B 15 E S 24 B S.
 Soil of mountainous
 soil generally; 3rd water.

Timber, oak.

Mountainous land, 3.39 chs.

January 30, 1903.

January 31: At 7^h 35^m a.m. I met, I set
 off 31° 31' N on the lat arc, 17° 32' S
 on the decl arc, and determined a true
 meridian with the solar at that cor of
 sics 13, 14, 23 and 24, S 22 S B 15 E, as
 heretofore described.

From the above cor, $\frac{1}{4}$ sec cor bears
 S. 0° 20' N

Shore of I pm

S. 0° 20' N, bet sics 23 and 24.

Over mountainous land: discerning.

310

Running course Northerly; thence along

Cheminings of See and App lines on the beds
Cheminis

E. side ravine

14.75 to road ravine

19.50 Top of ridge, 70 ft above ravine, bears
E. N. Easterly and N. S. Westerly; descend.

28.00 Foot, 80 ft below top of ridge, bears
Easterly and Westerly.

28.50 Dry creek 15 lbs wide, course Westerly

29.00 Before steep ascent.

35.00 Top of ridge, 200 ft above creek bears
Easterly and Westerly; descend.

39.20 Old $\frac{1}{4}$ sec cor, which is a decayed post lying
on the ground, with marks obliterated. I
reestablish cor at same point as follows:

Set a granite stone $18 \times 10 \times 6$ ins, 12 in in
the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ on W
face, and raise a mound of stone 2 ft base,
 $1\frac{1}{2}$ ft high, W of cor. It's impracticable.

From $\frac{1}{4}$ sec cor, see cor bears
South

of the San Jose de Sonita land grant

Chains

Plurifid Run

South to sec. ev.

- 2.80 Begin strip descent.
- 12.80 Enter draw and heavy oak timber, bars
Easterly and Westerly.
- 14.20 Dry creek, 1 ch wide, course Westerly
- 17.80 Bend, bars N. N. Westerly and S. S. Easterly
- 21.00 Leave draw and begin strip ascent.
- 24.50 Top, 100 ft above draw, bars N. N. Westerly
and S. S. Easterly; have heavy oak timber,
turned over smooth ground, sloping N. W.
- 31.80 Begin strip descent along E side of draw
- 37.50 Post, 70 ft below top, enter draw, course
N. Westerly
- 39.60 Set a granite stone 18x10x6 ins, 12 ins in
the ground, for witness ev to ev of secs
23, 24, 25 and 26, marked W. C. with 4
notches on N. and 2 notches on S. edges,
from which

Cleanings of Sec and M lines on the bars
chains

An oak, 10 ins diam, bars N. $59\frac{1}{4}^{\circ}$ E, 66 lbs
dist, marked W. C. S 22 S R 15 E S 24 B 3.

A musqueto, 8 ins diam, bars S 87° E, 147 lbs
dist, marked W. C. S 22 S R 15 E S 25 B 3.

An oak, 18 ins diam, bars S $27\frac{1}{2}^{\circ}$ W, 164 lbs
dist, marked W. C. S 22 S R 15 E S 26 B 3.

An oak, 14 ins diam, bars N. $40\frac{3}{4}^{\circ}$ W, 56
lbs dist, marked W. C. S 22 S R 15 E S 23 B 3.

39.92 Old sec cor point on S. side gully. Point
ascertained from old B 3.

Land, mountainous and level.

Soil generally mud stony; 2nd and
4th rate.

Mountainous or heavily timbered land.

69.40 chs.

From ^{point} cor. of secs 23, 24, 25 and 26. $\frac{1}{4}$
and sec cor bar N. $89^{\circ}58'$ W.

Therefore I run

of the San Jose de Sonita land front
Chain

N. $89^{\circ}58'$ W. bet. s. res 23 and 26.

Over level land.

- 85 Dry wash, 30 lbs wide, course N. Westerly
- 9.50 Grass draw, bars Northwly and Southwly
as end
- 4.50 Top of sharp spur, 40 ft above draw,
bars Northwly and Southwly; descend.
- 5.60 Ravine 50 ft below top of spur, course
Northwly; begin steep ascent of E. slope
of high ridge.
- 9.30 Top of ridge, 100 ft above ravine, bars
N. N. Easterly and S. S. Westerly; descend.
- 13.00 Ravine 80 ft below top of ridge, course
N. Westerly; ascend.
- 16.50 Top of spur, 60 ft above ravine, extending
Northwly; descend.
- 19.30 Pond, bars Northwly and Southwly.
- 20.00 Dry wash, 15 lbs wide, course Northwly;
ascend.

blowings of ice and the lines on the beds
Chains

- 31.50 Top of ridge, 240 ft above, wash bars
N. Easterly and S. Westerly; descend.
- 36.25 Small basin, 70 ft below top of ridge,
course Northwly, and ascend.
- 38.25 Top of spur, extending N. Easterly;
descend.
- 39.77 Faintly indicated of old's see ev. I
reestablish^{ed} at same point as follows:
Set a porphyry stone 20 x 10 x 6 ins, 14
ins in the ground for $\frac{1}{4}$ see ev, marked
 $\frac{1}{4}$ on N. face, from which
An oak 15 ins diam bears S 61 $\frac{1}{2}$ ° W, 56
lbs dist, marked $\frac{1}{4}$ S 26 B D.
An oak, 6 ins diam, bears N. 61 $\frac{1}{4}$ ° W
30 lbs dist, marked $\frac{1}{4}$ S 23 B D.
- 41.80 Basin, 40 ft below top of spur, course
N. Easterly; ascend.
- 48.00 Top of ridge, 100 ft above main, bears
Northwly and Southwly; turned along

of the San José de Sumital land grant.

Chunio

S. slope.

54.00 Descend

58.50 Foot, 60 ft below top of ridge, bears N. Easterly and S. Westerly; ascend.

63.00 Top of spur, 60 ft above foot, extending S. Westerly; descend.

65.55 Foot, 40 ft below top spur, bears N. Easterly and S. Westerly; ascend.

70.75 Top of ridge, 60 ft above foot, bears N. Easterly and S. Westerly; descend.

79.10 Old see cor, which is a post lying on the ground with marks nearly obliterated. To establish cor at same point as follows:

Set a sandstone 20x10x8 ins, 14 ins in the ground, for cor of sees 22, 23, 26 and 27, marked with 2 notches on E and S. edges; and raise a mound of stone 2 ft base, 1½ ft high, N. of cor. Pits impracticable.

Blonings of Sec and Rte Lewis Lewis on the beds
Chains

Land, mountainous and level.

Soil, gravelly and stony; 2nd, 3rd and
4th rate.

Timber, scattering oak.

Mountainous land, 75.60 chs.

From cor of sres 22, 23, 26 and 27, $\frac{1}{4}$ and
sre cor bar N.

Sherriff Run

North, bet sres 22 and 23.

Over mountainous land, descending.

3.70 Dry wash, 10 lbs wide, course S. Westerly,
as end.

6.00 Top, bars Easterly and Westerly, descend.

9.90 Dry wash, 15 lbs wide, course S. Westerly,
as end.

↓ 17.00 Top of ridge, 80 ft above wash, bars
Easterly and Westerly, descend.

18.30 Foot, bars Easterly and Westerly.

of the San Jose de Sonita land grant

Chain

- 19.00 Begin ascent over sandstone boulder.
 24.00 Top of ridge, 145 ft above foot, bears
 Easterly and Westerly; descend.
 26.50 Edge of bluff; bears N. Easterly and
 S. Westerly; descend abruptly 80 ft.
 32.00 Dry creek, 250 ft below top of ridge, 15
 lbs wide, course N. Westerly; begin ascent
 along W. slope spur.
 38.30 Top of slope; descend

39.40 Old $\frac{1}{4}$ sec cor, which is a decayed post.
 Establish cor at same point as
 follows:

Set a sandstone 18x10x8 ins, 12 ins in
 the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on
 W. face, from which

run oak, old B.B., 18 ins diam bears S 25° E
 22 lbs dist, which I remark $\frac{1}{4}$ S 23 B.B.
 no other tree within limit, and raised
 mound of stone 2 ft base, 1 $\frac{1}{2}$ ft high, W

Closings of sec and 1/4 lines on the beds
6 lines

39.88 Old $\frac{1}{4}$ sec cor, which is a decayed stake
with marks partly obliterated. I reestablish
cor at same point as follow

Set a sandstone 18 x 8 x 5 ins, 12 ins in the
ground for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ on N face,
from which

A magenta old B B, 10 ins diam, base
S. 69 $\frac{3}{4}$ E, 176 lbs dist, which I remark
 $\frac{1}{4}$ S 27 B B, no other cor within limit,
and raise a mound of stone 2 ft base,
1 $\frac{1}{2}$ ft high, N. of cor. Sets impracticable.
From $\frac{1}{4}$ sec cor, sec cor base

S 89° 50' W

Plum for I run

S 89° 30' W to sec cor.

Ascending.

32 Top of knoll 70 ft above gulch. descend.

5.82 Prospect hole, base 30 lbs N

20.32 Foot, 200 ft below top of knoll,

of the San José del Sociedad land grant.
Chumis

enter wash, course Westerly, and cross
mosquito and tree undergrowth, bears
Northward and Southward.

- 26.82 Grad wash and ascend along S bank.
28.32 Top of spur extending Northward; descend.
29.82 Re-enter wash, course Westerly.
33.32 Grad wash, course N. Westerly; ascend
vertical 35 ft.
33.70 Top of spur, extending Northward
36.07 Descend
39.88 Old ore cor, which is a decayed stump
and scattered ground of stone. Old B. S.
marked down. I destroy all trace
of old cor and reestablish it ^{at} same
point as follow.

Set a sandstone $18 \times 5 \times 7$ ins, 12 ins in
the ground for cor of ores 21, 22, 27
and 28, marked with 3 notches on E
and 2 notches on S. edges; and raise a

Changes of Ice and Ice lines on the bars
Chains

mound of stone 2 ft base 1 1/2 ft high,
W of cor. Pits impracticable.
Land, mountainous and level

Soil, sandy, gravelly and stony; ord
and 4th rate.

Timber, musg, with undergrowth, musg, with
and tsetse.

Mountainous or land covered with dense
undergrowth, 79.73 chs.

↓

From cor of sres 21, 22, 27 and 28,
1/4 sre cor bars North.

Bluffton Barr

North bet sres 21 and 22.

Cor mountainous land. descending

.50 Enter wash course S. Westerly.

2.15 Leave wash and ascend.

5.00 Top bars Easterly and Westerly

6.48 Wire fence bars W. S. Westerly and

of the San José de Sonvita land grant.

Chumil

E. W. Easterly.

12.30 Begin steep descent through dense mesquite and trestle undergrowth

15.15 Enter draw, course Northwly

21.80 Bend from Patagonia to Nogales, bears N. Easterly and S. Westerly.

22.68 Enter set S. bdy of the San José de Sonvita land grant at a point from which the ^{N.E. to} 15 mile cor of the grant, bears $S. 70^{\circ} W$, 7.52 chs dist.

Set a limestone $24 \times 12 \times 10$ ins, 18 ins in the ground, for closing cor of fractional acres 21 and 22, marked S & D S on W and C C on S faces, with 3 grooves on C face, from which

A mesquite, 7 ins diam bears $S 53^{\circ} E$, 16 chs dist, marked P 22 S B 15 C S 22 B S.

A walnut 18 ins diam, bears $S 62^{\circ} W$, 80 chs dist, marked P 22 S B 15 C S 21 B S.

Observations of Sec and P. lines on the bars
 & chains

and raised a mound of stones 2 ft base,
 $1\frac{1}{2}$ ft high S of cor.

Land level and mountainous.

Soil, gravelly and stony; 3rd and
 4th rate.

Timber, mesquite and walnut; under-
 growth mesquite and totota.

Mountainous or land covered with dense
 undergrowth, 13.50 chs.

January 31, 1903.

February 1: At 4h 50^m a. m. l. m. to
 S set off $31^{\circ} 30' N$ on the lat arc,
 $17^{\circ} 15'$ S on the decl arc and de-
 termined a true meridian with the
 solar at the cor of arcs 21, 22, 27
 and 28.

From this point $\frac{1}{4}$ and sec cor
 bears N. $89^{\circ} 48' W$.

of the San Juan del Sonora land grant.

Shirazon Spring

N. $89^{\circ} 48' W$, bet. sec 21 and 28.

Over mountainous land, descending.

- 1.00 Enter wash, course S. Westerly.
- 5.15 Road from Patagonia to Nogales, bars
N. Easterly and S. Westerly.
- 7.55 Gravel draw, course Northwesterly, ascend.
- 8.60 Top of mesa.
- 9.20 Wire fence, bars N. $55^{\circ} E$ and S. $55^{\circ} W$.
- 9.65 Graveyard, bars 25 lbs S.
- 11.20 Wire fence, bars N. and S.
- 12.00 Prism descent along N. W. side mesa.
- 13.50 Enter Sonora valley bars N. Easterly
and S. Westerly.
- 29.00 Left bank Sonora creek, bars N. Easterly
and S. Westerly.
- 30.00 Road, bars N. Easterly and S. Westerly.
- 31.00 Right bank Sonora creek, ascend.
- 31.17 Wire fence, bars N. Easterly and S.

Chronicles of Lee and Sp. Lewis on the Colorado
 Plains

Westerly.

32.00 Middle of single track of the Arizona
 and New Mexico railroad, bars N.

Easterly and S. Westerly.

32.99 Top of mesa, 50 ft above valley; wire
 fence, bars N. Easterly and S. Westerly

33.20 Telegraph line bars N. Easterly
 and S. Westerly.

35.00 Road, bars N. N. Westerly and S. S.
 Easterly.

36.00 Corral, bars 2 chs S.

37.00 Adobe house, bars 2 chs S.

37.50 Adobe house, bars 2 chs S.

38.00 Adobe house, bars 50 chs N.

39.40 Begin strip desert from mesa.

39.80 Old $\frac{1}{2}$ size ev which is a decayed post
 lying on the ground. I establish
 ev at same point as follows:

Set a granite stone 28 x 16 x 14 ins 21 ins

of the San Jose del Sonvita land grant.

Chamis

in the ground for $\frac{1}{4}$ sec or marked $\frac{1}{4}$
on N. Jan, from which

A mesquite, old B S, 20 ins diam bears
N. $6^{\circ} 55' E$, 88 lbs dist, which I remark,
 $\frac{1}{4}$ S 21 B S.

A mesquite 6 ins diam bears S $64^{\circ} 0' W$, 107
lbs dist, marked $\frac{1}{4}$ S 28 B S.

40.40 Foot, 40 ft below mesa; intra Sonvita
valley, bears N. Westerly and S. Easterly.

40.65 N. B. bears 30 lbs N.

41.60 Pin fence, bears N. N. Westerly and S. S.
Easterly.

43.60 Right bank Sonvita creek bears Northerly
and Southerly.

44.00 Railroad bridge, bears 20 lbs S.

44.35 Telegraph pin, bears N. $79^{\circ} E$ and S. $79^{\circ} W$.

45.66 Left bank Sonvita creek.

46.25 Middle of single track of the Arizona
and New Mexico railroad, bears N. $79^{\circ} E$

closings of Sec and Sp lines on the bed
 channel

and S 79° W.

5004 Wire fence bars N. 79° E. and S. 79° W.

55.70 to ravine valley and around.

6205 Intersect S edge of the San Jose de
 Sonita long grant at a point from
 which the 6 mile cor of the grant
 bears S 70° W, 20.45 chs dist.

Set a granite stone 24 x 11 x 10 ins, 18 ins
 in the ground, for closing cor of final
 acres 21 and 28, marked S f S on
 W, and C. C. on E faces; with 2
 grooves on S face, from which

A mesquite 8 ins diam, bears N. 86½° E,
 231 chs dist, marked S 22 S R 15 E S 21 13 S.

A mesquite 7 ins diam, bears S 26° E, 254
 chs dist, marked S 22 S R 15 E S 28 13 S.

Placed across grant on a blank line.

63.00 Top of slope of ridge, 50 ft above
 valley; thence along slope.

of the San Jacinto de Sonora land grant.

Chain

67.11 Wire fence, bears N. N. Westerly and S. S. Easterly.

71.00 Descend

74.80 Descend abruptly 30 ft.

76.00 Foot, 70 ft below top of slope, enter Sonora valley, bears N. Easterly and S. Westerly.

77.10 Left bank Sonora creek, bears N. Easterly and S. Westerly.

80.20 Cor point of secs 20, 21, 28 and 29.

Land, level and mountainous

Soil, gravelly, sandy and stony; 3rd and 4th rate.

Timber, mesquite and cottonwood; undergrowth, mesquite and locust.

Mountainous land, 31.54 chs.

From cor of secs 21, 22, 27 and 28, $\frac{1}{4}$ and

Closures of Ice and the lines on the bars
Channel

see now bar S. $0^{\circ}35'$ W.

Therefore some

S. $0^{\circ}35'$ W, bet sees 27 and 28.

Over mountainous land, ascending.

- 4.00 Top of ridge, 40 ft above see on bar, course Easterly and Westerly; descend.
- 7.40 Deep gully, 40 ft below top of ridge, course Westerly; ascend.
- 9.00 Top of spur, 40 ft above gully extending Westerly; descend.
- 11.15 Dry wash, 35 ft below top of spur, 20 lbs wide course N. Westerly; ascend.
- 20.00 Top of ridge, 100 ft above wash, bar N. Easterly and S. Westerly; descend.
- 33.00 Dry wash, 100 ft below top of ridge, 35 lbs wide course N. Westerly; enter draw and cross *hecota* wash.
- 39.77 Paint traces of old ice on ridge of creek.

Continued, Book 1770.
Concluded, Book 1771.