

Arizona

Book No. 81

See Index
Field Notes

OF THE SURVEY OF **BOOK 1463**

1463
The
Third Guide Meridian
South through Sp. 19, 20
21, 22, 23 and part of
24 South.

BOOK 1463

No. 1463

Gila and Salt River Base and Meridian

ARIZONA.

By *J. B. McLaughlin* D. S.

Under contract dated *June 18th 1883*

Survey commenced *Feb. 25th 1884*

Survey completed *July 29th 1884*

No. 1463

1463

Examined

Index

3^d Guide Meridian South
 through
 Trp. 20 S. Pps. 1 to 8 incl.
 " 19 S. " 8 to 15 "
 " 21 S. " 17 to 24 "
 " 22 S. " 24 to 30 "
 " 23 S. " 31 to 37 "
 " 24 S. " 38 to 43 "

Bel. Pa. 25 and 26 Co.

5.19 S. 5.20 S. 5.21 S. 5.22 S. 5.23 S. 5.24 S.

1136 176 1186 1246 1316 1396

12127 1267 12197 12257 12327 12397

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241019 24319 242119 242719 243419 ~~244119~~

25930 25230 252230 252830 253630

36831 36131 362331 362931 363631

Mexico.

No. 1463

For description of Inst.
used and preliminary oaths
see "Book No. 2"

Third Guide Meridian South

Chains

From the Cor. to Ips. 18419 S., R. 25th 26th E. recently reestablished by me, I run S. on a random line bet. ranges 25th 26th E.

At 12 miles 5.70 chs. I intersect 4th Standard Parallel South 34 chs. N. of Standard Cor. to Ips 20 S., R. 25th 26th E. recently established by me. The correction for the true line will therefore be 5.70 chs. N., and 2.90 chs. E. per mile and its course N. 2°-05' W.

Hence I run -
N. 2°-05' W. on true line
bet. Secs 31st 36th
Va 12°-30' E.

40.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for 7 Sec. Cor. marked 4 S. on W. face, dig pits 18 x 18 x 12 ins. N. and S. of post 5 ft. dist. and raised

through *Imp.* 20 South.

Chains

80.00

a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around post.

Deposited a marked stone 12 ins. in the ground for 1/4 Sec. 25, 30, 31, 36 dug pits 18 x 12 x 12 in. on face Sec. 31 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. on S. side of stone a stake 2 ins. sq. 2 ft. long is and in the middle of same marked T. 208.

S. 30 1/2 E. 26 E. S. 31 on S. E. R. 25 E. S. 36

on S. side and S. 25 on N. W. faces with

1 stake on S. side 5 notes 10

on N.

Altitude - 4240 ft.

Land - level -

Soil - 1st rate.

Good grass.

Scattering mesquite brush.

N. 2° 05' N. on a true line bet - Secs 25 1/2 & 30

Ra 12 - 30 1/2 E.

40.00

Deposited a marked stone 12 ins. in the ground for 1/4 Sec. 25, 30, 31, 36 dug pits 18 x 12 in. on N. and S.

a mound of earth 1 1/2 ft. high. 3 1/2 ft. base over

✓

East

Third Guide Meridian South

Chains

80.00

71. pit above a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{2}$ S. on N. face.

Deposited a marked stone 12 ins. in the ground for Cor. to Sec. 19, 24, 25 & 30 dug pits 12 in. sq. 12 ins. in each cor. 2 1/2 ft. dist. and raised 2 in. end of stake 2 ft. high 4 1/2 ft. base over it. $\frac{1}{2}$ E. on N. face a stake 2 ins. sq. 2 ft. long 12 ins. in the ground marked T. 20 S. S. 19 on N. E. 26 E. S. 30 on S. E. R. 26 E. S. 25 on S. W. and S. 24 on N. W. faces. with 2 wires on S. and 4 holes on N. faces.

Altitude 4250 ft.
Land-level
Soil 1st rate
Dense Mesquite & catclaw brush-

71.2'-05" N. on a true line bet. Secs. 19 & 24
71.2'-30" E.

3.50 Road - bns - N.E. and S.W.

Through Arp. 20 South.

Chain

40.00

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

80.00

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits cc. 13. 16. 19 & 24 18 x 18 x 12 ins. each $\frac{1}{4}$ ft. dist. and raised mound $\frac{1}{4}$ ft. high $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ins. sq. 2 ft. long $\frac{1}{4}$ ft. in the ground marked T. 208.

v

S. 18 on N. E. face 20 E. S. 18 on S. E. R. 25 E. S. 14 on S. W. and S. 13 on N. W. faces, with 3 notches on S. and 3 notch on N. edges. Altitude 4260 ft.

Land-level-

Soil 1st rate-

Good grass-

Dense mesquite brush

East

Third Guide Meridian ~~East~~
Chains

7/22 05' N. on true line
bet. Secs. 13th & 18th
Pa. 12°-30' E.

4000

Deposited a marked stone 12 ins. in the
ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins.
N. and S. of stone by first line and raised
a mound of earth 14 ft. north by 14 ft. back over
it. In N. pit drove a stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked + S. on N.
face.

8000

Deposited a marked stone 12 ins. in the
ground for Cor. to Secs. 7/2, 13 & 18 dug pits
18 x 18 x 12 ins. in ground by first line, and
raised a mound of earth 14 ft. north by 14 ft. back
over it. In S. pit drove a stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked + S. on N.
face.

20 S.
S. 7 26 E. 18 on S E R. 20 E. S. 13
on S W and S. 12 on N W faces, with
4 notch on S. and 2 notch
on N. edges. Altitude - 4275 ft.
Land-level
Soil - 1st rate.
Good grass - dense mesquite brush

through Sep. 20 South.

chains

N. 2° 05' W. on a true line
bet. Secs 14 & 12
T. 12° 30' E.

40.00

Examined a marked point 12 ins. in the
ground for 12 ins. and 12 ins.
N. and S. ... raised
a mound of earth ... over
it. In N. ... 2 ins.
sq. 12 ins. in they rolled marked 15 on N
face.

80.00

Examined a marked point 12 ins. in the
ground for 12 ins. and 12 ins.
N. and S. ... raised
a mound of earth ... over
it. In N. ... 2 ins.
sq. 12 ins. in they rolled marked 15 on N
face.

1. 6. 7 1/2 12 dig pits
208.
6 26E. 7 R. 26E. S. 12

5 ... notes
N. ... Altitude 4300 ft.
Land level
Soil 1st or 2nd.
Good grass.
Dense mesquite brush.

✓

Third United Meridian South
Chains

N. 2°-05' W. on a true line
bet. Secs. 1 and 6
Va 12°-30' E.

40.00

Deposited a marked stone 12 ins. in the
ground for 1 Sec. Cor. dug in 18 x 18 x 12 ins.
N. and S. faces. A hole was raised
4 inches in the center of the top face over
it. A 1/2 in. pit down 1/2 in. 1 ft. long 2 ins.
sq. 12 ins. in the ground, marked 1/4 S. on N.
face.

80.00

Set a post 4 1/2 ft. long 4 ins.
sq. with marked stone, 12 ins. in
the ground for Cor. to Twp. 19 & 20 S.
R. 25 & 26 E. marked 1/4 S. on
on N. E., R. 26 E. S. 6. on S. E. T. 20 S., 31 on
S. cor. and R. 25 E. S. 36 on N. W. face,
with 6 notches on each edge,
dug pits 24 x 18 x 12 ins.; lengthwise
on each line N. S. E. 25 W. of
post 6 ft. dist and
raised a mound of earth
2 1/2 ft. high, 5 ft. base

Through Imp. 19 South

Chains

around post - Alt. 4400 ft.
 Land level -
 Soil 1st soil
 Good grass -
 Dense mesquite brush -

From the corner to Imp. 19 + 20 S.
 Rgs. 25 + 26 E. just established
 by me I run
 N. 72° 05' W. on true line
 bet Secs. 31^{1/2} & 36
 Va 12° 30' E.

4000

Deposited a marked stone 12 ins. in the
 ground for Cor. for Sec. 25 + 26 E. 18 x 12 ins.

N. and S. of stone in 10 ft. dig and raised
 a mound 10 ft. high and 10 ft. wide over
 it. In N. of stone a stone 2 ft. long 2 ins.

sq. 12 ins. in the ground marked 25. on
 face. Leave dense Mesquite brush -

80.00

Deposited a marked stone 12 ins. in the
 ground for Cor. to Secs. 25, 30, 31 + 36 dug pits
 18 x 18 x 12 ins. 25 and 30 50 ft. dist. and

Third Guide Meridian South

Chapins

base
sq. 2
T. 19 S.

30 on N. E. 26 E. S. 31 on S. E. R. 25 E. S. 36

on S. W. and S. 25 on N. W. faces, with

1 notch on S, and 5 notches

on N edges. Altitude 4450 ft.

Land level

Soil 1st rate

Fair grass

Dense Mesquite brush & cks.

N. 2°-05' N. on true line

bet. Dec. 25^h S 30

Va 12° 30' E.

40.00

Deposited a marked stone 12 ins. in the ground for 1/2 S. on N. face.

N. and S.

a mound of earth 12 ins. high on N. base over it.

In N. pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked 1/2 S. on N. face.

face.

through Twp. 19 South-
Chain

80.00

Deposited a marked stone 12 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30 dug pits 18 x 18 x 12 ins. in each cor. 5 ft. dia. and raise a mound of earth 2 ft. high 4 ft. base over the stone. In the N. W. corner of T. 19 S. S. 19 on N. E. R. 26 E. S. 30 on S. E. R. 25 E. S. 25 on S. W. and S. 24 on N. W. faces, with 2 notches on S. and 4 notches on N. edges. Altitude 4475 ft.

Land. level.

Soil 1st rate

Good grass

No timber -

N. 2-05' W. on a town line
bet. Secs. 19 and 24
Ta. 12-30' E.

40.00

Deposited a marked stone 12 ins. in the ground for Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of stone 14 ft. dia. and raised a mound of earth 1 1/2 ft. high 4 ft. base over

East

Third Guide Meridian South
chains

N

Deposited a marked stone 12 ins. in the ground for Cor. Sec. 12, 18, 19 & 24. sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.

80.00

Deposited a marked stone 12 ins. in the ground for Cor. Sec. 12, 18, 19 & 24 dug pits 24 x 24 x 12 ins. in each Sec. 5 ft. deep and raised a mound of earth 1 ft. high 24 ft. back from the N. face. In Sec. 12, 18, 19 & 24 a marked stone 12 ins. in the ground marked T 19 S,

S. 18 on N.E. 26 E. 19: on S.E. R 25 E. S. 24 on S.W. and S. 13, on N.W. faces. with

3 notches on S. and 3 notches on N. edges. Altitude 4500 ft.

Level level
Soil 1st rate
No timber -

N 2-05 N. on a true line
bet. Secs. 13 & 18,
72.12-30' E.

40.00

Deposited a marked stone 12 ins. in the ground for Cor. Sec. 13 & 18. sq. 12 ins. N and S of stone 24 ft. high and raised a mound of earth 1 ft. high 24 ft. back over it. In N. face put drove a stake 2 ft. long 2 ins.

through Trip 19 South
Chain

By 12 ins. in the ground marked $\frac{1}{2}$ S. on N
face.

80.00

Deposited a marked stone 12 ins. in the
ground for Cor. to Cor. 7/12.13+18 the pits
18 x 18 x 12 ins. high and
raised a mound 12 ft. high
over it. Trip 19 S.

7 26 E. S. 18 R 25 E. S. 13
12 on N. & W. faces, with
4 notches on S. and 2 notches
N. Attitude 45° N. ~~of~~

Land level.
Loic 1st rate.
Good grass.
No timber.

N. 2°-05' N. on true line
bet. Secs 7th & 12-
7a. 12°-30' E.

40.00

Deposited a marked stone 12 ins. in the
ground for $\frac{1}{2}$ S. Cor. only width = 18 x 12 ins.
N. and S. of the stone is 20 ft. high and raised
and of earth 15 ft. high 24 ft. base over

Third Guide Meridian ^{East} South
Chains

8000

N. ¹⁹⁸ pit under a stake 2 ft. long 2 ins.
in the ground marked $\frac{1}{2}$ S. on N.
faces.

Deposited a marked stone 12 ins. in the
ground for Sec. 16, T¹/2, R^{25E}, S. 12
12 ins. in each face 5 ft. dist. and
marked with a notch 4 ft. above
the ground.

6 26E 7 R^{25E}, S. 12

on S.W. and S. 1 N.W. faces, with
5 notches on S. and 1 notch
on N. edges. Altitude 4550 ft.

Sand-level
Soil 1st rate
Good grass
No timber

N. 2°-05' N. on a true line
bet. Secs. 1 & 6
T¹ 20' E.

4000

Deposited a marked stone 12 ins. in the
ground for Sec. 16, T¹/2, R^{25E}, S. 12

through Imp. 19 South
chain

N. S. 5 1/2
N. pit above a stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked 1/2 S. on N.

85.90 The cor. to Imps. 18 & 19 S.

I carefully examined the
adjustments of my Solar transit
today particularly the latitude
and reversing apparatus
and find them correct.
February 26th 1884

General Description -
This line runs along the
central western side of
Sulphur Spring valley.

Along part of the line and
on most of the land west
to the mountains there is a
dense growth of mesquite
brush. E. on the line there is

East

Third Guide Meridian ~~South~~

good grass and very little brush.

The soil is a sandy loam and produces an abundant growth of grass - The entire valley is well adapted to grazing purposes, water being readily obtained by digging in the center of the valley from 8 to 10 ft -

through 1 Sep. 19 South-

Eggs

Third Guide Meridian South

From the Standard corner to Trps. 20² and S. Rgs. 20 and 26 E. recently established by me I set off 52.00 Chs. West for convergency and set for closing corner a post $4\frac{1}{2}$ ft. long, 4 in. square with marked stone 12 in. in the ground for closing Cor. to Trps 21 E. Rgs 20 and 26 E. marked C.C. T. 21 S. on S, R. 26 E., S. 6 on E. and R. 20 E. S. 1 on W. faces with 6 notches on S. E and W. faces, dug pits 24 X 18 X 12 in. crosswise on each line S. E and W. of post 6 ft. dist and raised a mound of earth 2 $\frac{1}{2}$ ft. high 5 ft. base around post. Altitude 4800 ft.

through Imp. 21 South-
Chino

S. bet. Secs 1 and 6
Va. 12' 30' East

40.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for $\frac{1}{2}$ Sec. Cor. marked $\frac{1}{2}$ S. on W. face, dug pits 18 x 18 x 12 ins. N. and S. of post $\frac{1}{2}$ ft. dist. and raised a mound of earth 1 ft. high $2\frac{1}{2}$ ft. base. around post.

60.15

Road - bears N. and S.

80.00

Set a post 4 ft. long 4 ins. diam. with marked stone, 12 ins. in the ground for Cor. to Secs. 1, 6, 7, & 12 mark $\frac{1}{2}$ S. $\frac{1}{2}$ 6 on N. E. R. 26 E. S. 7 on S. E., R 25 E. S. 12 on S. W. and S. 1 on N. W. face with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 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. Altitude 4300 ft.

Land level.

Soil 1st rate.

Dense catclaw and mesquite brush.

Third Guide Meridian ^{East} South
Chains

S. bet. Secs. 7 and 12
Va. 12° 30' E.

29.11
40.00

Road - bet. E. & W.

Deposited a marked stone 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 feet 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 in. sq. 12 ins. in the ground marked 1/4 S. on N. face. S. W. Cor. Adobe house bet. N. 78° 45' E. about 3 1/2 cns. dist.

80.00

Deposited a marked stone 12 ins. in the ground for Cor. to Secs 7 1/2, 13 1/2, 18. dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S E pit drove a stake 2 ins. sq. 2 ft. long 12 ins. in the ground marked T. 2/S. S. 7 on N.E. S. 26 E. S/8 on S.E. R. 25 E. S/3 on S.W. and S. 12 on N.W. faces, with

4 notches on S. and 2 notch on N. edges. Altitude 4300 ft.

Land - level
Soil 1st rate

✓ Dense Mesquite & catclaw brush

155)
through Imp. 21 South.

Chains

S. bet. Secs. 13 and 18.

Via $12^{\circ} 30' E$

40.00

Deposited a marked stone 12 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24. The pits 18 x 18 x 12 ins. in each Sec. 6 ft. deep and raised a mound of earth 2 ft. high 24 ft. base over it. In W put down a stake 7 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{2}$ S. on W. face.

40.74

Road-bns $N 79^{\circ} W$ and $S 79^{\circ} E$.

55.00

Road bns E. and W.

80.00

Deposited a marked stone 12 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24. The pits 18 x 18 x 12 ins. in each Sec. 6 ft. deep and raised a mound of earth 2 ft. high 24 ft. base over it. In S E put down a stake 7 ft. long 2 ins. sq. 12 ins. in the ground marked T. 218, S. / 8 on N.E. R 26 E. S / 9 on S.E. R 25 E. S. 24 on S.W. and S. 13 on N.W. faces, with

3 notches on S. and 3 notches on W. edges. Altitude 4300 ft.

Land Level -

Soil Photo

Panace Mesquite & cacti & brush

Third Guide Meridian North
Chain

S. bet. Secs 19 and 24
T. 12^o 30' E.

4000

Deposited a marked stone 12 ins. in the
ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 12 ins.
N. and S. of stone. A full line was raised
a mound of earth 2 ft. high 2 ft. base over
it. In W pit stone is 12 ins. 2 ft. from
S. of 12 ins. in the ground marked $\frac{1}{4}$ S. by W.
face.

8000

Deposited a marked stone 12 ins. in the
ground for $\frac{1}{4}$ Sec. to Secs 19, 24, 25 & 30, dug pits
18 x 18 x 12 ins. in each Sec. 2 ft. dist. and
raised a mound of earth 2 ft. high 2 ft. base
over it. In S. E. of stone is 12 ins. sq. 2
ft. long 12 ins. in the ground T. 21 S.

S. 19 on N. W. 26 E. 30 on N. W. 25
on S. W. and S. 24 on N. W. faces, with

2 notches on S. and 4 notches
on W. edges. Altitude 4275 ft.

Land level

Soil 1st rate.

Dense growth mesquite and
catclaw brush.

Through Prop. 21 South-
chain

S. bet Secs. 25 & 30

40.00

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

80.00

Deposited a marked stone 12 ins. in the
ground for Cor. to Secs. 25, 30, 31 & 36 dug pits
18 x 18 x 12 ins. between Sec. $5\frac{1}{2}$ ft. dist. and
raised a mound of earth 2 ft. high $1\frac{1}{2}$ ft. base
over it. In S. E. pit drove a stake 2 ft. sq. 2
ft. long 12 ins. in the ground marked T 2/S.
S. 30 on N.E. S 26 E. S 31 on S.E. R 26 E. S. 36
on S.W. and S. 25 on N.W. faces, with
1 notch on S. and 5 notches
on N. edges. Altitude 4275 ft.
Land level.
Soil 1st run.
Dense Mesquite brush.

Third Guide Meridian Sixth
 Chain

S. bet. Secs. 31 and 36
 Ra 12° 30' E.

4000

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of stone $\frac{1}{2}$ feet dist. and raised a mound 2 ft. high with $\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.

8000

Deposited a marked stone 12 ins in the ground for cor. 2nd $\frac{1}{4}$ Sec 22 S, Rgs. 25 and 26 E. dug pits 24 x 18 x 12 ins lengthwise on each side N. S. E. $\frac{1}{4}$ m. of cor. 6 ft. dist and raised a mound of earth 2 $\frac{1}{2}$ ft. high 5 ft. base over it. In E. pit drove a stake 2 ins square 2 ft. long 12 ins. in the ground marked J. 21 S. S 31 on N. E., R 26 E. S 6 on S. E., J 22 S. S 1 on S. W. and R 25 E. S. 36 on N. W. faces with 6. notches on each

through Trip. 21 South-

Chains

edge - Altitude 4250 ft.

Spud level

Soil 17 rate

Dryer Mesquite and catalpa
brush.

From the cor to Trip 214275,
Rgs. 25th and 26^E, just estab-
lished by me I run
S. bet Secs 1st and 6

Va 120 30' E.

4000 Set a granite stone 10x8x5 ins.
7 ins. in the ground for $\frac{1}{4}$ sec.
Cor. marked $\frac{1}{4}$ on SW. face
dig pits 18x18x12 in N. $\frac{1}{2}$ 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 along side.

8000 Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins. in the ground for Cor. to Secs,

16.7412 marked T. 228, S. 6 on

Third Guide Meridian South

Chain

N. E. R. 26 E. S. 7 on S. E. R. 26 E. S. 2 on
 S. W. and S. 1 on N. W. face, with 5 notches
 on S. end. 1 notch on N. end. dig
 pits 18 x 18 x 12 in. on each side. 1 ft. flat,
 and raised a mound of earth 3 ft. high on
 base. around post. Altitude 4275 ft.

Layd. level
 Soil 1st rate.

Dense Mesquite and caton
 raw brush

S. bet. Secs 7th & 12
 Va 120-30' E.

20.00- Creek 5 lks. wide. course S. E.

36.23 Road - bet. N. W. and S. E.

40.00 Delimited a marked stone 12 ins. in the
 ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins.
 N. and S. of stone 64 feet apart and raised
 a mound of earth 3 1/2 ft. high on each side
 at the N. end. dug pits 18 x 18 x 12 in.
 on S. end. in this ground marked N.

✓

Through Trip. 22 Route

Chains

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor. to Secs; 7, 12, 13 & 18 marked T. 22 S., R 26 E. S. 18 on N. E. R 26 E. S. 18 on S., R 25 E. S. 13 on S. W. and S. 12 on N. W. face, 4 notches on S. and 2 notches on N. sides, dug pits 18 x 18 x 12 ins. in each Sec. 13 & 18. Altitude 4300 ft.

Level

Soil 19th rate.

Dense mesquite brush.

S. bet. Secs. 13 and 18.
Va 122 30' E.

40.00

Set a post 3 ft. long 3 ins. diam. with marked stone, 12 ins, in the ground for 1/2 Sec. Cor. marked 1/2 S. on N. face, dug pits 18 x 18 x 12 ins. N. and S. of post 5 ft. dist. by 3 raised a mound of earth 12 ft. high 3 ft. base around post.

S.

Third Guide Meridian South

Chain

8000

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor. to Secs.

13.18.19+24 marked 22 S. 18

N. E. P 366. S 19 on S. E R 25 E. S. 24

S. W. and S. 13 on N. W. face, all 3 not co

on 3 3 10 N. 200 200

pits 18 in dia. in each sec. 74 1/2 dist.

and raised a mound of earth 2 ft. high 12 ft.

base. marked post.

Altitude 4300 ft.

Land level

Soil 1st row

Dense Mesquite brush

S. bet. Secs. 19 and 24

1/2 120 20' E.

40.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for 1 Sec. Cor.

marked 18 on W. face, dia post 12 x 12

ins. N. and S. 1/2 120 20' E.

and raised a mound of earth 2 ft. high 12 ft. base around post.

Through Imp 22 South.

Chains

80.00

Exposited a marked stone 12 ins. in the ground for Secs 19, 24, 25 & 30 and pits 12 x 18 x 12 ins. in each of the four corners of the section. The stone is on the N. W. corner of the section. The pits are on the N. W. corner of the section. The stone is on the N. W. corner of the section. The pits are on the N. W. corner of the section. 22 S.

S. 19 \times 24 \times 25 \times 30 26 E. 30 R 25 E. S. 25
on S. W. and S. 24 on N. W. faces, with
2 notches on S. and 4 notches
on N. edges. Altitude 4315 ft.

Level level.

Soil - 1st rate.

Dense Mesquite brush.

S. bet. Secs. 25 and 30

1/2 12° 30' E.

Road - bns. N. E. and S. W.

8.40

40.00

Set a granite stone 12 x 10 x 6
ins. 8 ins. in the ground for
1/4 sec. cor. marked 1/4 on W.
face, dug pits 18 x 18 x 12 ins.
N. and S. of stone 5 1/2 ft. dist

Third Guide Meridian South chains

8000

and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. diam along side.

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor. to Secs.
 25, 30.3 / 436 marked T. 22 S, S 30 on
 N. E. R. 26 E. S. 31 on S. E. R. 25 E. S. 36
 S. W. R. 25 S. 25 S. W. Sec. 1
 5 marked as N.

Altitude 4350 ft.
 Land level
 Soil Plateau
 Dense Mesquite and
 catclaw brush.

4000

S. bet. Secs. 31 and 36.
 Va / 20 30' E.

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for Cor. to Secs.
 marked 4 S. on W face, dia. pits 18 x 18 x 12
 ins. N. and S. of post 5 ft. dist. and raised

Through Imp. 22 South-
Chain

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

8000

Set a granite stone $12 \times 10 \times 6$ in
8 in. in the ground for Cor.

Ips. 22 & 23 S., R's 25 & 26 E.
marked with 6 notches on
each edge, dug pits $24 \times 18 \times 12$

in lengthwise on each line
N. S. E. & W. of stone 6 ft.

dist and raised a mound
of stone alongside - pits
impracticable. Alt. 4325 ft.

Land level.

Soil 1st rate

Dense Mesquite and cat-
claw brush.

I carefully examined the adjustments of
my solar transit today, particularly the
latitude and reversing apparatus and
find them correct -

February 28th 1854

Third Guide Meridian South
Chains

From the corner to Ings. 22
and 23 S., Rgs. 25th & 26th E.
just established by me
I run
S. bet. Secs. 1st & 6
Va 12th 30th E.

40.00

Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for 1 Sec. Cor.
marked 1 S. on N. face, dug pits 7¹/₂ x 18 x 12
ins. N. and S. of post 5¹/₂ ft. dist. and raised
a mound of earth 7¹/₂ ft. high 3¹/₂ ft. base around
post.

80.00

Set a Granite Stone 19 x 8 x 8 ins.
1¹/₂ ins in the ground for cor.
to Secs 1, 6. 7¹/₂ & 12 marked
with 1 notch on N. ¹/₂ & 5 notches
on S. edges. dug pits 18 x 18
x 12 ins in each section 5¹/₂ ft.
dist. and raised a mound
of earth 2 ft. high 4¹/₂ ft. base
alongside.

Altitude 4350 ft.

Through Trp 23 South-

Chains

Land level -
 Soil 1st rate.
 Dense mesquite and cactus
 brush -

S. bet. Secs. 7 & 12
 Va 120 - 30' E.

4000

Set a granite stone 10x9x8
 ins. 7 ins. in the ground for
 1/4 sec. cor. marked 1/4 on N.
 face, dug pits 18x18x12 ins
 N. and S. of stone 5 1/2 ft. dist.
 and raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. base
 alongside.

8000

Deposited a marked stone 12 in. in
 ground for Cor. to Secs 7/2, 34/8
 18x18x12 ins. in each Sec. 7/2, 34/8
 raised a mound of earth 3 ft. high
 over it. In
 ft. long 12
 238.
 S. 7 26E. 18 R. 26E. S. 13

Third Guide Meridian South
Chains

on S. W. and S. 12 on N. W. faces, with
4 notches on S. and 2 notches
on N. edges. Altitude 4375 ft.
Land level
Soil 1st rate
Dense Mesquite and
greasewood brush.

S. Secs. 13rd & 18
T₁₂ 20' E.

4000 Set a granite stone 10x9x6
ins. 7 ins. in the ground for
1/2 Dec. Cor. marked 1/2 on
N. face dug pits 18x18x12
ins. N. E. of stone 5 1/2 ft.
dist. and raised a mound
of earth 1/2 ft. high 3 1/2 base
along side -

8000 Set a granite stone 12x10x
3 ins. 8 ins. in the ground
for Cor. to Secs. 13, 18, 19
and 24 marked with

through Inp 23. South.

chain

3 notches on N. & S. edges
 dug pits 18x18x12 ins in each
 section 5 1/2 ft. dist, and raised
 a mound of earth 2 ft. high
 4 1/2 ft. base along side - alt. 4075 ft.
 Land level.

Soil 1st rate.

Juncus Mesquite and Catalpa
 brush-

S. bet. Secs. 19th & 24-
 Va. 12^o 30' E.

4000

Set a post 3 ft. long 3 ins. diam with marked
 stone, 12 ins, in the ground for 1st cor. Cor.
 marked 1 S. on N. face, dug pits 18 x 18 x 12
 ins. N. and S. of post 5 1/2 ft. dist. and raised
 a mound of earth 2 ft. high 3 1/2 ft. base around
 post.

5000

Set a Granite Stone 12x12x8 ins
 8 ins in the ground for cor. to
 Secs. 19, 24, 25 & 30 marked
 with 4 notches on N. and

Chains

Third Guide Meridian Sixth

2 Notches on S. 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
 alongside Altitude 4375 ft.
 Land-level.
 Soil 1st rate
 Dense mesquite and
 greasewood brush-

S. Sec. Lees 25 and 30 -
 Va. 12° 30' E.

40.00

Set a Granite Stone 9x8x7 ins
 6 ins. in the ground for
 1/4 sec. cor. marked 4 on
 N. face, dug pits 18x18
 x12 ins N. & S. of stone
 5 1/2 ft. dist and raised
 a mound of earth 1/2 ft.
 high 3 1/2 ft base alongside

Through Trp. 23 South

Chains

80.00 Set a Granite Stone $10 \times 10 \times 6$
 ins. in the ground for
 cor to Secs. 25, 30, 31 & 36,
 marked with 5 notches on
 N. and 1 notch on S. edge,
 - dug pits $18 \times 18 \times 12$ ins. in each ^{5 ft. dist.} sec. and
 raised a mound of earth 2 ft. high,
 $4\frac{1}{2}$ ft. base alongside. Alt. 4450 ft.
 Land - Level -
 Soil - 1st rate.
 Some Mesquite, catalpa
 and juncewood brush -

S. bet. Secs. 31 & 36
 Va $12^{\circ} - 30' E$.

40.00 Set a Granite Stone $12 \times 10 \times 6$ ins.
 8 ins. in the ground for $\frac{1}{2}$ sec.
 cor. marked $\frac{1}{2}$ on N. face,
 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
 alongside -

Third Guide Meridian ~~Line~~ Chain

8.000 Set a Limestone $18 \times 10 \times 10$ ins.
 12 ins in the ground for cor
 to Tps. 23+24 S. R's. 25+26 E. marked
 with 6 notches on N. S. E.
 & W. edges, dug pits $2 \times 2 \times$
 18×12 lengthwise on each
 line N. S. E. & W. of stone 5 ft.
 dist., and raised a mound
 of earth $2\frac{1}{2}$ ft. high 5 ft. base
 along side. Alt. 4475 ft.
 Land level
 Soil - 1st rate
 Dense Mesquite & catclaw
 brush -

through Twp 24 South

Chains

From the cor. to Twp 23+
24 S. Dqr. 25926 E. just
established, by me I run
S. bet. Lics. 1st & 6
Va 12° 30' E.

4000

Set a Limestone 24 X 10 X 3 ins
18 ins in the ground for $\frac{1}{4}$
Dec. cor. marked $\frac{1}{4}$ on W.
face. dug pits 18 X 18 X 12 ins
N. & S. of atom; 5 $\frac{1}{2}$ ft. dist.,
and raised a mound of
earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. wide
along side.

8000

Set a Limestone 12 X 12 X 4 ins
8 ins in the ground for cor.
to Seco. 1, 6, 7th & 12 marked
with 1 notch on N. and 3 notches
on S. edges, dug pits 18
X 18 X 12 ins in each section
5 $\frac{1}{2}$ ft. dist., and raised a
mound of earth 2 ft. high

Third Guide Meridian ^{E.} ~~South~~

Chains

4 1/2 ft. base along side-
 Attitude - 4475 Ft.
 Land level -
 Soil 1st rate -
 Dense Mesquite and
 Catclaw brush -

S. bet. Secs 7th & 12
 Va. 12° 30' E.

Ascend Mt. ridge

5.50 Top. Ino. E. & W. ascend to E. &
 descend to W. Alt. 4600 - Descend

12.00 Enter valley

20.00 High limestone ridge east of
 line of Chs.

40.00

Set a post 3 ft. long 3 ins. diam with marked
 stone, 12 lbs. on the ground for 1 Sec. Cor.
 marked 4 S. on W. face of post 12 x 12 x 12
 ins. N. and S. of post 12 ft. dist. and raised
 a mound of earth 1 1/2 ft. high. 12 ft. base around
 post.

through Imp. 24 South-

Chain

8000

Deposited a marked stone 12 ins. in the ground for Cor. to Sec. 7, 12/34/8, dug pits 18 x 18 x 12 ins. in each Sec. 2 ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $1\frac{1}{2}$ ft. base over it on E. side. Distance from 2nd cor. to 2nd ft. long of line is there is a line on Sec. 7, 24 S. S. 7 on N.E. S. 26 E. S. 18 on S.E. R25 E. S. 13 on S.W. and S 12 on N.W. faces, with 4 notches on S. and 2 notches on N. edges. Altitude 4500 ft.

Land-level-

Soil 1st & 2^d strata

Dense Mesquite and Catclaw
Brush

S. Sec. 13rd & 18.

Va 120 30' E.

35.60

40.00

Road bns. E. & W.

Set a post 3 ft. long 3 ins. diam. with marked stone, 12 ins. in the ground for A. Sec. Cor. marked on N. face, dug pits 18 x 18 x 12 ins. N. and S. of post 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $1\frac{1}{2}$ ft. base around post.

Third Guide Meridian *Smith*
Chain

8.00 Set a granite stone 12x12
x5 ins. 8 ins in the ground
for the cor. to Secs. 13, 18, 19 &
24 marked with 3 notches
on N. & S. edges. dug pits
18x18x12 ins in each section
5 1/2 ft. dist. and raised a
mound of stone alongside.

Sand - Level -
Soil - 1st run

Dense Mesquite brush
Alt. at cor. 4650 ft.

S. bet. Secs. 19th & 24th
Va 120° 30' E.

7.43 Intersect Inter-National
boundary 16 miles. 720th west of
Monument No. 19 - which is a
ground of stone about 4 ft. diam 4 ft. high -
Set a Sand Stone 14 x 8 x 8
ins. 10 ins in the ground

through Trip 24 South

Main

for Closing corner. marked
Mex. on S., U. S. and C. C.
on N. faces. and raised
a mound of stone alongside
Altitude - 4675 ft.

From this point the
Chimney of Peter Egloff's
Adobe house bns. N. 25° W.

S. S. Anderson's adobe house
bns. N. 14° - 33' E.

Highest point Huachuca
Mts. bns. N. 82° 30' W.

Highest point Tombstone Mts.
bns. N. 17° - 15' W.

Highest point Chiricahua Mts.
bns. N. 38° E.

"Nigger head" (Crownhelm Mts)
bns. S. 87° - 30' E.

Highest point Guadalupe
Mts. bns. S. 88° 45' E.

Cond Lemp cairn 10¹/₂ miles N. Bunk

Third Quicela Meridian South

Chains

I carefully examined the adjustments
of my solar transit today and
especially the latitude and reversing
apparatus and find them correct
February 29th 1884

General Description

This line runs along the
west side of Sulphur
Spring valley, for the most
part through a dense growth
of mesquite, catclaw and
several of the larger orders
of composite plants.

The soil is a sandy loam
~~the silicious element pre-~~
~~ponderating.~~ There is no
permanent water along
the line but it may
be obtained by digging
from 12 to 30 ft. The

through Imp. 24. South-

Chain

whole valley is admirably adapted for grazing purposes and by irrigation would undoubtedly produce remunerative results.

Final Oaths for Surveys.

45

LIST OF NAMES. BOOK 1463

A List of the Names of Individuals employed by

Johnston B. McLaughlin, S. Deputy Surveyor to assist in running, measuring and marking the lines and

corners described in the foregoing Field Notes of the survey of

the Gila and Salt River Meridian through Tps. 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20 S. The 3rd. Standard Parallel

S. through Rs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

The 2nd. guide mer. E. through Tps. 21, 22, 23, 24

S. The 4th Standard S. through Rs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

and 22 E. The 4th guide mer. E. through Tps. 16, 17, 18, 19, 20, 21, 22, 23 and 24 S.

of the ^{G.S.R.} principal base and meridian in the Territory of Arizona, showing the respective capacities in which they acted.

James E. Pawley Chairman

John M. Cochran "

Jacob Liversedge "

John L. Marr Jr. "

Tom Cliphart Assessor

Frank J. Hardy "

John C. Smith Flagman

Final Oaths of Assistants.

We hereby certify that we assisted Johnston B. McLaughlin U. S. Deputy Surveyor, in surveying
 The Gila and Salt River Meridian through
 Tps. 12, 13, 14, 15, 16, 17, 18, 19 and 20 S. The
 2d Stand. S. through Rcs. 1, 2, 3, 4, 5, 6, 7, 8,
 9, 10, 11, 12, 18 and 19 E. The 3rd guide
 Meridian E. through Tps. 21, 22, 23, 24
 S. The 4th Stand. S. through Rcs. 18,
 19, 20, 21 and 22 E. The 4th guide Mer-
 idian E. through Tps. 16, 17, 18, 19
 20, 21, 22, 23 and 24 S.

of the ^{principal} base and meridian in the Territory of Arizona,
 as are represented in the foregoing field notes as having been
 surveyed by him and under his direction; and that said Survey
 has been in all respects, to the best of our knowledge and belief,
 well and faithfully surveyed, and the corner monuments es-
 tablished according to the instructions furnished by the U. S.
 Surveyor-General for Arizona.

James E. Pawley John W. Cochran
 W. B. Swensidger John T. Ware Jr
 Wm. Olyphant Frank J. Hardy
 John C. Smith



Subscribed and sworn to before me this 1st

day of March 1884

J. B. McLaughlin
 Notary Public.

Final Oath of U. S. Deputy Surveyor.

BOOK 1463

I Johnston B. McLaughlin

United States Deputy Surveyor, do solemnly swear that in
pursuance of instructions received from Joseph W.

Robbins U. S. Surveyor General for Ari-

zona bearing date of the June 18th day of June

1883. I have well, faithfully, and truly, in my own proper

person and in strict conformity, with the instructions furnish-

ed by the U. S. Surveyor General for Arizona, the surveying

manual and the laws of the United States surveyed the gila

and Salt River Mes. through Trs. 11, 12, 13, 14, 15, 16,

17, 18, 19 and 20. & The 3rd Stand. & through Rs. 1, 2,

3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16. The Sub. Guide Mer. &

through Trs. 21, 22, 23, & 24 & The 4th Stand. &

through Rs. 17, 18, 19, 20, 21 and 22 & The 5th

guide meridian & through Trs. 16,

17, 18, 19, 20, 21, 22, 23 and 24 &

of the g.s. R. principal base and meridian in the Territory of Ari-

zona, as are represented in the foregoing fields notes as having

been surveyed by me and under my direction; and I do further

solemnly swear that all the corners of the said survey have been

established and perpetuated in strict accordance with the survey-

ing manual, printed instructions, the special written instruc-

tions of the U. S. Surveyor General for Arizona, and in the

48 specific manner described in the field notes, and that the foregoing are the true field notes of such survey, and should any fraud be detected I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

BOOK 1468

Johnston B. McLaughlin
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this 1st
day of March 1884



R. C. Powers
Notary Public.

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U. S. Surveyor General's Office,

Tucson, Arizona July 21, 1884

The foregoing Field Notes of the Survey of the

Third Guide Meridian
 South through Townships
 19, 20, 21, 22, 23 and part of
 24 South —

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

J. D. McLaughlin
 Deputy Surveyor, under his contract of the 18th
 day of June, 1884, 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.