

BOOK 1487

*Book No*

*bound  
attached*

*See Index*  
**Field Notes**

*1487*

OF THE SURVEY OF

1487

*The*  
First Standard Parallel  
N. through Range  
11, 12, 13 and 14  
portion of 32 E.  
of the

BOOK 1487

*1487*

Gila and Salt River Base and Meridian

ARIZONA.

By *J. B. M. Roughton* D.S.

Under contract dated *June 18th* 1873.

Survey commenced *April 1st* 1874.

Survey completed *May 2nd* 1874.

## Index

1st. Stand. Par. S. through Range  
13 E. Pages. 1 to 15 inclusive

1st. Stand. Par. S. through  
Range. 12 E. Pages. 16 to 27 inclusive

1st. Stand. Par. S. through  
Range 11 E. Pages. 28 to 40 inclusive

1st. Stand. Par. S. through Range  
32 E. Pages. 42 to 47 inclusive

1st. Par. S. bet ~~D~~ 5 and 6 S.

<sup>31</sup> <del>39</del>	<sup>32</sup> <del>36</del>	<sup>33</sup> <del>34</del>	<sup>34</sup> <del>32</del>	<sup>35</sup> <del>30</del>	<sup>36</sup> <del>28</del>
6	5	<sup>4</sup> R. 12 E.	<sup>3</sup> 34	2	1
<sup>31</sup> <del>25</del>	<sup>32</sup> <del>24</del>	<sup>33</sup> <del>22</del>	<sup>34</sup> <del>20</del>	<sup>35</sup> <del>18</del>	<sup>36</sup> <del>16</del>
6	5	<sup>4</sup> R. 13 E.	<sup>3</sup> 34	2	1
<sup>31</sup> <del>13</del>	<sup>32</sup> <del>11</del>	<sup>33</sup> <del>10</del>	<sup>34</sup> <del>8</del>	<sup>35</sup> <del>6</del>	<sup>36</sup> <del>5</del>
6	5	<sup>4</sup> R. 32 E.	<sup>3</sup> 34	2	1
<sup>31</sup> <del>42</del>	<sup>32</sup> <del>44</del>	<sup>33</sup> <del>46</del>	<sup>34</sup> <del>48</del>	<sup>35</sup> <del>50</del>	<sup>36</sup> <del>52</del>
6	5	<sup>4</sup> New Mexico.	<sup>3</sup> 3	2	1

1487

BOOK 1487

For description of  
instrument and  
preliminary paths see  
Book No. 1

Survey commenced April 1st 1854  
Survey completed May 2nd 1854



## First Standard Parallel S

## Chains

From the Standard Cor.  
to Tps. 5 S. R. 10 and  
11 E. just re-established  
by me. I run East  
on a random  
line  $\text{Bd. } 13^{\circ}30' \text{ E.}$   
setting temporary  $\frac{1}{4}$  Sec.  
and  $\frac{1}{2}$  Sec. corners  
at each 40 and  
80 chs. and at 18 miles  
make a diligent  
search for the Standard  
Cor. to Tps. 5 S.  
R. 13-14 E. but not  
being able to find  
it I go to the Gila  
River and am  
shown the Cor. to  
Secs. 28, 29, 32 & 33 of  
Tps. 4 S. R. 14 E. and  
retrace 1 mile E.

through Range 13 E.  
Chains

and 3 miles S. finding  
all corners in good  
condition. further South  
I find no corners at a  
point 1 mile E. and 7 miles  
S. of starting point.

I found no other blank  
line making diligent search  
for corners at each  
40 & 80 chs. and at  
8 miles finding no  
corners. I established  
the Standard corner to  
Tps. 5 S. Co. 13 & 14 E.  
By setting a granite  
stone 16x9x7 ins. 11  
ins. in the ground  
for Standard corner  
to Tps. 5 S. Co. 13  
and 14 E. marked  
S. C. with 6 notches

First Standard Parallel  
Chains

on N.E. and W. edge,  
 dug pits 24x18x12 in  
 crosswise on each  
 line N.E. and W. of  
 stone 6 ft. dist. and  
 raised a mound  
 of earth 2 1/2 ft. high  
 5 ft. base alongside  
 I find the length  
 of my rancho  
 line to be 17  
 miles 69.84 ch. and  
 the falling to be  
 172 ch. S. The course  
 of my true line  
 will therefore be  
 S. 89° 56' W.  
 From the <sup>stand</sup> to  
 the S. R. 13814 E.  
 I run S. 89° 56' W. on  
 a true line on



S. through Range 13E,  
Chavis

The S. Coy. of Sec. 36  
T<sub>2</sub>S. 13° 30' E.

40.00

Set of granite stone  
10 x 8 x 6 ins. 7 ins. in  
the ground for  
Standard 1/4 Sec. block  
marked S. E. 1/4 on  
N. face. dug pit  
15 x 18 x 12 ins. E. & W. of  
stone 5 1/2 ft. dist.  
and raised a

mound of earth  
1 1/2 ft. high 3 1/2  
ft. <sup>around</sup> base along side

52.00

Top of a Red Butte and  
despond

56.00

Foot of butte cross  
dry wash 15 miles wide  
Sec. N. W.

50.00

Set of granite rock  
14 x 7 x 7 ins. 9 ins. in

# First Standard Corral Chairs

the ground for  
 Standard Cor. to be  
 35 and 36 marked  
 S. E. with 1 notch on  
 E. and 5 notches on  
 W. edge. dug pits  
 18 x 18 x 12 ins. N. E. & W.  
 of stone 5-10 ft. dist  
 and raised a  
 mound of earth  
 2 ft. high 4 1/2 ft.  
 base alongside.  
 Surface mountainous  
 Soil 2nd. rate  
 Dense cat claw brush  
 Good grazing  
 Altitude 3700 ft.

---



# S. through Range 13 E.

## Chairs

S. 89° 56' N. on the S.  
 Coy. of Sec. 35

Ascend Va. 13° 30' E.

20.00

Top of isolated conical  
 peak and descend

30.25

Wash 10 links wide to S.W.

39.00

Wash 10 links wide to N.W.

40.00

Set a granite stone  
 12 x 7 x 7 ins. 8 ins. in  
 the ground for  
 Standard "4" Sec. cor.  
 marked S.C. "4" on  
 N. face dug pit  
 15 x 12 x 12 ins. to E.S.W.  
 of stone 5 1/2 ft. dist.  
 and rapid a  
 mound of earth  
 1 1/2 ft. high 3 1/2  
 ft. base alongside

50.00

Set a granite  
 stone 12 x 7 x 7 ins.

# First Standard Crossed Chains

8 ins. in the ground  
 for Standard Cross.  
 To Secs. 34 and 35  
 marked S.C. with 2  
 notches on E. and 4  
 notches on W. edges  
 dug pit 18x10x12 ins  
 N.E. r. W. of <sup>stone</sup> post 5 1/2  
 ft. dist and raised  
 a mound of earth  
 12 ft. high 4 1/2 ft.  
 base <sup>alongside</sup>  
 surface level  
 soil ind. rate  
 Dune cat's claw brush  
 good grazing  
 altitude 13600 ft

---

through Range 18 E.

Chains

of  $89^{\circ}56'N$ . on the  
S. By. of Sec. 34  
Tn. 13<sup>30</sup> E.

- 12.70 Wash 15 links with S. & N.  
 313.15 Wash 15 links with W. & N.  
 4000 Set a granite stone  
 $18 \times 8 \times 6$  ins. 12 ins.  
 in the ground for  
 Standard "4 Sec. 34  
 Cor. marked S. E. "4  
 on N. face. dig  
 pits  $8 \times 18 \times 12$  ins.  
 E. & W. of stone  $5\frac{1}{2}$  ft.  
 dist. and raked  
 a mound of  
 earth  $1\frac{1}{2}$  ft. high  
 $3\frac{1}{2}$  ft. base alongside  
 80.00 Set a post 4 ft.  
 long 4 ins. sq.  
 with marked  
 stone 12 ins. in



# First Standard Corral Chairs

the ground for  
 Standard Cor. to  
 Sec. 83 and 84 marked  
 S. 8, T. 5 S. R. 10 E. on  
 N. S. 24 on E. and  
 S. 83 on W. face with  
 3 notches on E. and  
 W. face dug pits  
 18 x 18 x 12 ins. N. E. & W.  
 of post 5 1/2 ft.  
 of dist. and raised  
 a mound of earth  
 2 ft. high 4 1/2 ft. base  
 ground post.  
 Surface rolling  
 Soil sud. rate  
 Dense catclaw and  
 Sanguinaria bush  
 Good grazing  
 Altitude 3450 ft.

A. through Range 18 E.

Chains

S. 89° 58' N. on the S.

By of Sec. 33

Va. 130° 30' E.

40.00

Set a post 2 ft. long  
2 in. sq. with marked  
stone 12 ins. in the  
ground for Standard

"4 sec. 14 on N. face

S. E. "4 on N. face,  
ang. pit 18 x 18 x  
12 ins. C. & N. of stone  
5 1/2 ft. dist. and

raised a mound  
of earth 1 1/2 ft. high  
3 1/2 ft. - ~~thru~~ around post

80.00

Set a post 4 ft. long  
4 in. sq. with  
marked stone 12  
ins. in the ground  
for Standard sec.  
to Secs. 32 and 33

First Standard Parallel

C. Chavis

marked S.E. <sup>of 5-8 h 13 E on N.</sup> with 4 notches  
<sup>3 32 on E & 3 32 on</sup>  
<sup>W. side?</sup>  
 on E. and 2 notches on  
 W. face. dug pit  
 18 x 18 x 12 ins. N.E. & W.  
 of post 5<sup>1/2</sup> ft. dist.  
 sand raised a  
 mound of earth  
 2 ft. high 4<sup>1/2</sup> ft.  
 base around post  
 surface rolling  
 soil sub. water  
 Good grazing  
 Dense catclap and  
 mesquite brush  
 Altitude 3400 ft.

S. 59° 56' W. on the  
 S. Coy. of Sec. 32

4030 Set a post 2 ft.  
 long 2 ins. sq. with  
 Va. 13° 30'



S. through Range 13 E.

Challis

marked stone 12 ins.  
in the ground for  
Standard 14 sec. Cor.  
marked. S. E. 14<sup>S</sup> on  
N. face dug pit  
18 x 18 x 12 ins. E. and W.  
of post 5 1/2 ft. dist.

and raised a  
mound of earth  
1 1/2 ft. high 3 1/2 ft.  
wide around post.

Set a post 4 ft.  
long, 4 ins. sq.  
with marked

stone 12 ins. in  
the ground for  
Standard Cor.

to Secs 31 and 32  
marked S. E. 75 N.  
R. 13 E. on N. S.  
32 on E and S. 31 on N. face

8.100

First Standard Parallel  
Chain

with 5 notches on  
E, and 1 notch on  
W. Spans dug pits  
18 x 18 x 2 ins. N.E.  
and N. of post  
5 1/2 ft. of dist. and  
made a mound  
of earth 2 ft. high  
24 1/2 ft. high  
around post  
Surface rolling  
Soil 1st rate  
Dense cat's claw and  
mosquito brush  
Good grazing altitude 3275 ft

S. 89° 56' W. on the S. side of  
S. 31

N. 13° 30' E.  
10.00 Gulch 5 ft. wide  
E. N.

S. through Range 13 E.  
Chains

- 29.70 Same gulch 18 links  
wide lev. S. W.
- 40.00 Set a granite stone  
12 x 8 x 6 ins. 8 ins. in  
the ground for  
standard "4 Sec.  
lev. marked S. E. "4  
on N. face. dug pit  
18 x 18 x 12 ins. E. S. W.  
of stone 5 1/2 ft. dirt  
and raised a  
mound of earth  
1 1/2 ft. high 3 1/2 ft.  
wide along side.
- 50.00 <sup>same</sup> gulch 18 links wide  
lev. N. W.
- 50.00 Set a first 4 ft. long  
4 ins. sq. with marked  
stone 12 ins. in the ground  
for standard lev. to  
Twp. 5 S. R. 12 E. 13 E.



Standard  
 First Parallel S. through  
 Chain Range 13 E.

marked S.E. 7.5 S. in N.  
 R. 13 E. S. 31 on E. and  
 R. 12 E. S. 36 on W. faces  
 with 4 notches on N.E.  
 and W. faces. dug  
 pits 2 x 18 x 12 ins.  
 cross wire on each line  
 line N. E. & W. of first.  
 6 ft. dia. and raised  
 a mound of earth  
 2 1/2 ft. high 5 ft.  
 tall around post  
 surface showing  
 soil 1st. rate  
 Dense cat's claw and  
 mesquite brush  
 Good grazing  
 Altitude 3350 ft

---

First Standard Parallel S  
through R. 12 E.  
Chain

From the Standard Cor.  
to Twp. 5 S. Co. 12 & 13 E.  
just established I run  
S.  $89^{\circ}56'71''$  W. on the  
S. Coy. of Sec. 96  
Va.  $13^{\circ}30' E.$

40.00

Set a post 2 ft. long  
3 in. sq. with  
marked stone in  
in the ground  
for Standard "4 be"  
Cor. marked S.C.  
"4 S. on N. face.  
Dig pit 15x15x12  
in. E. & N. of post  
 $5\frac{1}{2}$  ft. deep and  
raised a mound  
of earth 12 ft. high  
 $3\frac{1}{2}$  ft. top around  
post

42.00

Read to N. & S. E.

First Standard Parallel  
Chains

45.60 Dry wash 60 miles wide  
Co. N. W.

80.00 Set a post 4 ft. long  
4 ins. dia. with  
marked stone 12  
ins. in the ground  
for Standard Cor.  
To Sec. 25 & 26 marked  
S. E. 25 S. R. 12 E. on N.  
S. 26 on E. and S  
25 on W. face, with  
1 notch on E. and  
5 notches on W. face,  
dig pit 18 x 12 x 12  
ins. N. & W. of post  
5 1/2 ft. dia. and  
raised a mound  
of earth 2 ft. high  
4 1/2 ft. base  
around post  
surface rolling



the range Range 12 E.  
Chains

Soil 1st & 2nd. note  
Dune catclaw, Palo Verde  
and cactus brush  
Good grazing  
No timber  
Altitude 3100 ft.

---

S. 89° 56' N. on the  
S. Coy. of Sec. 25

Var. 120° 30' E

16.00

Mark 16 lbs. wide Sec. 26 N.

32.00

Mark 15 lbs. wide Sec. 27 N.

40.00

Set a post 2 ft.  
long 3 ins. sq. with  
marked stones 12  
ins. in the ground  
for standard 14 sec.  
for marked S.E.  
1/4 S. on N. of  
dug pile 8x8x12  
ins. E. S. N. of post

# First Standard Parallel Chain

5½ ft. dia. and  
 raised a mound  
 of earth 1½ ft. high  
 3½ ft. face around  
 post.  
 5,000. Set a post 4 ft.  
 long 4 ins. sq. with  
 marked stone 12  
 ins. in the ground  
 for Standard Plat.  
 to Sec 34 & 35  
 marked S.E. T. 5 S.  
 R. 12 E. on N. S. 35  
 on E. and S. 34 on  
 W. face. with 2  
 notches on E. and 4  
 notches on W. face.  
 dug pit 18 x 18 x 12  
 ins. N.E. & W. of  
 post 5½ ft. dist.  
 and raised a

S. through Range 12 E.  
Chavis

mound of earth  
2 ft. high  $4\frac{1}{2}$  ft. base  
around post.  
Surface level  
Soil 1 st. rate  
Dune catclaw and  
Palo Verde Brush  
Good grazing  
Altitude 2,975 ft.

---

S. of 56' N. on the  
E. of Sec. 24  
Va. 10° 30' E.

16.90 Work as the ridge cor. N.W.  
4 0.00 Set a granite stone 16x10x8  
ins. 11 ins. in the  
ground for Standard  
1/4 Sec. Cor. marked  
S.C. 1/4 on N. face.  
dug post 15x15x12  
ins. E. and N. of stone



First Standard Census  
 Census

5 1/2 ft. dirt and  
 raised a mound  
 of earth 1 1/2 ft. high  
 3 1/2 ft. tape alongside

56.90 Foot of bluff of rock ps.  
 N.E. & S.W. 80 ft. high

57.20 Walk 40 links wide to. N.W.

60.10 Walk 25 lbs. wide to. N.

70.10 Walk 10 lbs. wide to. N.

80.00 Put a granite stone  
 20 x 6 & 4 ins. 15 ins. in  
 the ground for

Standard loc. to see  
 3350 + marked S.W.  
 with 3 notches on  
 N.E. & W. edge  
 and raised a  
 mound of stone alongside  
 Pit sub-radiate  
 Surface mountainous & level  
 Soil 1st. & 2nd rate

S. through Range 12 E.  
Chavis

Dunn catelaw and cactus  
brush

Good grazing  
Elevation 4300 ft.

S. 79° 56' N. on the  
S. / Q. of Sec. 33  
Ta. 18° 30' E.

45.00

Set a porphyry  
16x6x6 ins. of iron  
in the ground  
for Standard 4 Sec.  
Flor. marked S. 6. "4"  
on N. face and  
raised a mound  
of stone along side  
Pike impracticable  
ascend

72.00

Top of mt. ridge  
As. N.E. & S.W.  
descend.

23

First Standard Pencil  
Chain

8500 Set a granite stone  
16 x 10 x 6 ins. 11 ins. in  
the ground for  
Standard lev.  
to Secs. 32 & 33.  
marked S.E. with  
4 notches on E. and  
2 notches on N. edge.  
dig pit 15 x 15 x 12  
ins. N.E. 1/4 of  
stone 5 1/2 ft. dist.  
and raised a  
mound of earth  
2 ft. high 14 1/2 ft.  
base along side.

Surface monotonous

Soil 3rd. rate

Dense mesquite and  
catclaw brush.

Altitude 2900 ft.



S. through Range 12 E.  
Chains

- 4000 S. 99° 58' N. on the  
S. 24.7 Sec. 32  
Va. 13° 30' E.  
Set a post 3 ft.  
long 2 in. dia. with  
marked steel 12 in.  
in the ground for  
Standard 1/4 in. dia. lev.  
marked S. C. 1/4 in. dia.  
N. for. dug pit  
15 x 15 x 2 in. E. & N.  
of post 5 1/2 ft. dia.  
and raised a mound  
of earth 1 1/2 ft. high  
3 1/2 ft. diam. around post
- 79.00 Post of vert. ridge  
to S. N. E. and N. W.
- 80.00 Set a granite stone  
15 x 8 x 8 in. 12 in. in  
the ground for Standard  
lev. to Sec. 31 & 32

First Standard Parallel S. Chain

marked S.E. with 5 notches on E and 1 notch on W edges and raised a mound of stone along side of this imperishable surface mountainous soil 3rd. rate

Dune extended and Palo Verde brush

Good grazing  
Altitude 2700 ft.

S. 99° 58' N. on the S.  
24. of Sec. 21  
W. 131° 30' E.

27.00  
40.00

Way 10 lbs. wide Co. N.  
Set a post 2 ft.  
long 3 ins. sq. with  
marked stone 12  
ins. in the ground

through Range 12 E,  
Paris

For Standard <sup>11 1/2</sup> Cor.  
marked S. W. <sup>11 1/2</sup> S. on  
N. face. dug pits  
10 x 10 x 12 ins. E. and  
W. of post 5 1/2  
ft. dist. and  
raised a mound  
of earth 1 1/2 ft. high  
300 ft. back around  
post

8000

Set a granite stone  
10 x 9 x 8 ins. 12 ins. in  
the ground for Standard  
Cor. To 5 ft. S. of  
11 and 12 E. marked  
S. E. with 6 notches  
on N. E. and N. edge.  
dug pits 24 x 18 x 12  
ins. crosswise on line  
N. E. 5 ft. of stone 6 ft.  
dist. and raised



First Standard Parallel  
 S. through Range 12 E.  
 Hills

a mound of earth  
 2 1/2 ft. high 5 ft.  
 base along side.  
 Surface rolling  
 Soil red. rate  
 Dense grasswood cactus  
 and cat claw brush  
 good grazing  
 Altitude 2600 ft.

---

I carefully examined  
 the adjustment of  
 my Star transit  
 to-day particularly  
 the latitude and  
 leveling apparatus  
 and found them  
 correct.

April 4th 1854

First Standard Parcel S. through  
Range. 11 E.

From the Standard loc.  
to Sta. 5 S. R. 11 and  
12 E. just established  
I have S. 59° 56' N.  
on the S. 24. of Sec. 36  
Var. 13° 30' E

18.00 Wash 10 lbs. wide loc. N. W.  
4100 bet. Limestone 14 x 10 x 4 ins.

9 ins. in the ground  
for Standard Sec. loc.  
marked S. 14 in  
N. face. dug pit  
15 x 18 x 12 ins. E. & W.  
of stone 5 1/2 ft.  
dirt and raised  
a mound of  
earth 1 1/2 ft. high  
3 1/2 ft. base along side

66.00  
5000

Wash 10 lbs. wide loc. N. W.  
Set a post 4 ft. long  
4 ins sq. with

29.  
 First Standard Parallel  
 Chairs

marked stone 12 ins.  
 on the ground  
 for standard cor.  
 to line 35706 marked  
 S. 6. S. 5 S. 0. 11 E on N.  
 S. 26 on E. and S. 25 on  
 W. face. dug pits  
 18 x 18 x 12 ins. N. E.  
 and W. of post. 5 1/2  
 ft. dist. and raised  
 a mound of  
 earth 2 ft. high 4 1/2 ft.  
 low around & post.  
 Quarry edge, tracing copper by S. Patrick & Co.  
 Very fine slightly rolling  
 Soil and. Taste of  
 dense grassland cat claw  
 and Cals vada Brook  
 Good grazing  
 Altitude 2475 ft



Through Range N.E.  
Chains

- S. 9156' N. by the  
S. 24. of S.W. 30  
Va. 13030' E.
- 8.50 A Quartz Boulder 5' x 4' x 3'  
ft. Heavy. S. of mine  
25 lbs.
- 4.00 Set a post 3 ft. long  
3 ins. sq. well-  
marked about 12  
ins. in the ground  
for standard 24 in.  
hor. marked S.E. "4 S."  
on N. face. dug  
pile 18 x 18 x 12 ins.  
E. & N. of post 5 1/2  
ft. dist. and  
raised a mound  
of earth 1 1/2 ft.  
high 3 1/2 ft. wide  
around post
- 1.70 Work 10 lbs. wide S.W. N.W.

First Standard & Parallel S.  
 Davis

4500  
 74.70  
 5000

Wash 80 links wide less S.W.  
 Wash 8 links wide less S.W.  
 Set a post 4 ft. long  
 4 ins. sq. with marked  
 stone 12 ins. in the  
 ground for Standard  
 lev. to  $\text{S.W. } 34500$   
 marked S.E. 55 S.  
 R. 11 E. on N. S. 25  
 on E. and S. 34 on  
 W. face. with 2  
 notches on E. and 4  
 notches on W. face.  
 dug pit 18 x 18 x 12  
 ins. N.E. & W. of  
 post.  $5\frac{1}{2}$  ft. dist.  
 and raised a  
 mound of earth  
 2 ft. high  $4\frac{1}{2}$   
 ft. face around post  
 surface level

through Range 11 E.  
 Davis

Soil 1st. rate  
 Dense grass wood  
 Oaks Verde and catalpa  
 fresh  
 Good grazing  
 Altitude 7425 ft.

S. 89° 58' W. on the  
 S. Ely. of Sec. 34  
 Va. 130° 35' E.

8.85-

Mark 12 lbs. wide Co. 4 N.

40.00

Set a post 2 ft. long

2 in. sq. with  
 marked stone 12

in. in the ground  
 for standard 1/4 Sec,  
 corner marked S.C.

1/4 S. on N. face

dug pits 8x18x12

in. E. & N.

post 5-12 ft. dist.



First Standard Parallel  
Chain

and raised a  
mound of earth  
1 $\frac{1}{2}$  ft. high 3 $\frac{1}{2}$  ft.

65.50

the mound first.  
Wash 8 links wide  
cor. N. W.

75.00

Wash 8 links wide  
cor. S. W.

80.00

Set a post 4 ft.  
long 4 ins. dia.  
with marked  
stone 12 ins. in  
the ground for  
standard cor. to  
S. 30° 04' marked  
S. E. 75° S. R. 11 E. on  
N. S. 34 on E. and  
S. 33 on W. face  
with 3 notches on  
E. and W. face  
dug pit 18x18x12

S. through Range 11 E.  
Chain

ins. N. G. and N.  
of post 5 1/2 ft.  
Ditch and raised  
a mound of  
earth 2 ft. high 4 1/2  
ft. from around post.  
Surface level  
soil 1st. rate  
Dun greasewood  
cactus and Palo Verde  
Brush

Good grazing  
Altitude 2300 ft

S. 79° 58' N. on the  
S. of Sec. 33  
T. 13° 30' N.

Wash 10 links wide  
up S. N.

Set a post 3 ft.  
long 2 in. sq with

First Standard Parallel S  
Chains

marked about 12  
ins. in the ground  
for Standard 14 Sec.  
lev. marked S.E. 14 S.  
on N. face dig  
pit 8x18x12 ins.  
E. and W. of post  
5 1/2 ft. I dug and  
raised a mound  
of earth 1 1/2 ft. high  
3 1/2 ft. deep around  
post.

57.85 Dry wash 12 lbs. wide  
lev. N. W.

58.00 Set a post 4 ft.  
long 4 ins. sq. with  
marked stone 12 ins.  
in the ground for  
Standard lev. to  
Crs. 32 and 33 marked  
S. E. 15 S. R. 16 E. on N.



through Range 11 E.  
 Davis

S. 30 on E. and S.  
 32 on W. faces. with  
 4 notches on E. and  
 2 notches on W. face.  
 dug hole 8x18x12  
 in. N. E. of N. of post.  
 5 1/2 ft. dist. and  
 raised a mound  
 of earth 2 ft. high  
 4 1/2 ft. base  
 around post.  
 In face level  
 1/2 in. int. rate  
 dense grasswood  
 brush and Palo  
 Verde brush.  
 good grazing  
 altitude 6275

S. 59. 56 ft. on the  
 S. 24. 7 Sec, 32

# First Standard Parallel Chains

U. 13° 30' 2"

40.00 Set a post 3 ft. long  
 6 in. sq. with  
 marked stone 12  
 ins. in the ground  
 for Standard & 4  
 Sec. Cor. marked  
 S. E. 1/4 S. on N. face  
 dug pits 15 x 12 x 12  
 ins. E. & N. of post  
 3 1/2 ft. dist. and  
 raised a mound  
 of earth 1 1/2 ft.  
 high 3 1/2 ft. base  
 around post.

42.00 Dry mark 15 lbs.  
 wide cor. N. N

8.00 Set a post 4 ft.  
 long & 6 in. sq.  
 with marked  
 stone 12 ins. in

S. through Range 11 E.

Chain

the ground for  
 Standard less. to  
 Sec. 31 and 32  
 marked N.E. P. 51.  
 R. 11 E. on N. S. 32 on E.  
 and S. 31 on N. face.  
 with 5 notches on  
 E and 1 notch on  
 N. - flans, dug pits  
 18 x 18 x 2 in N. E. &  
 W. of post. 5 1/2 ft.  
 dist. and raised  
 a mound of earth  
 2 ft. high 4 ft.  
 four around post  
 Surface level  
 Soil 1st. rate  
 Deep Palo Verde and  
 greasewood brush  
 Good grass  
 altitude 2150 ft.



37.  
 First Standard Parallel  
 Lines

4000

S. 99° 56' N. on the  
 S. By. of Sec. 31  
 fa. 10° 35' E.  
 Set a post 2 ft.  
 long. 3 in. dia.  
 with marked  
 stone 12 in. in  
 the ground for  
 Standard "4" Sec.  
 Cor. marked  
 S. E. "4" S. on N.  
 fa. dug pit  
 18 x 18 x 12 in. E. & N.  
 of post. 5 1/2 ft. dia.  
 and raised a  
 mound of earth  
 1 1/2 ft. high 3 1/2  
 ft. diam around  
 post.

69.84 / The Cor. to Tpe. 5 -  
 S. By. 108° 11' E.

I. through Range 11 E.  
Chico

Surface level. Soil 1st rate  
grease wood brush, good grass  
I carefully examined  
the adjustments  
of my Solar  
Transit to-day  
particularly the  
latitude and  
reversing apparatus  
and found them  
correct.  
April 5th 1854

# General Description

This line runs through, for the most part a level country. The soil is mostly wet sate and produces a dense growth of Palo Verde, castor, and mesquite fruit. also, saguaro, cholla and other varieties of cactus. There is also among the brush a good growth of nutritious grass.



First Standard Parallel S. through  
Range. 32 E.  
Chains

From the Standard Cor.  
to Tps. 5 S. Rs. 31 & 32 E.  
which is a granite  
rock 10x5 ins. firmly  
set in the ground with  
pile N.E. & W. of stone  
4 ft. dist. and a  
mound of earth  
along side.

I run East on  
the S. Ry. of Sec.  
31

Va. 1003 E.

Descend

- 3.00 Walk 45 units wide  
across NW corner
- 38.00 Top of ridge to S. N.E.  
and S.W. descend
- 40.00 Set a granite stone  
10x8x8 ins. 7 ins.  
in the ground.

43  
 First Standard Parallel S.  
 Chain

- for Standard "4 Sec.  
 Cor. marked S.B.  
 "4 on N. face and  
 raised a mound  
 of stone along side  
 Pit impracticable
- 45.08 Wash 20 feet wide  
 cor. S.W. around
- 56.71 Top of ridge for  
 N.E. and S.W. around
- 65.04 Wash 10 feet wide  
 cor. S.W. around
- 80.00 Set a granite stone  
 14x7x7 ins. 9 ins in  
 the ground for  
 Standard cor. to Sec.  
 31 and 32 marked S.B.  
 with 1 notch on N.  
 and 5 notches on E. edge  
 and raised a mound  
 of stone along side

through Range 32 E.  
Davis

*Pis. purpurea* the  
surface mountainous  
Soil 4th rate  
Scattering Pinon and  
cedar some brush  
Fair grass

East on the S. By.  
of Sec. 32  
N. 103° E.

ascend

4.15 Top of ridge to S.  
E. to S.W. and descend  
25.01 Wash 20 lbs. wide to S.W.  
ascend

4000 Hit a granitic stone  
15x8x10 ins. in  
the ground for  
Standard "4" Sec. Cor.  
marked A.C. "4" on  
N. face. and.



First Houders Parcel  
Chairs

- raised a mound  
of stone along side  
Pit<sup>6</sup> in front of the  
42.00 Top of ridge W. N. 5 S. W.  
Descend  
59.15 Creek 20 ft wide  
W. S. W. ascend  
8000 Hit a granite stone  
12x10x6 ins. 5 ins. in  
the ground for  
standard W. to  
S. 32. and 33 marked  
S. C. with 2 notches  
on N. and 4  
notches on E. edge  
and raised a  
mound of stone  
along side.  
Pit<sup>6</sup> in front of the  
face of mountain  
S. of 24th note

through Range 32 E.

Chain

Scattering Pines and cedar  
Good grass

East on the S. Ry. of  
 Sec. 33

6.80 Va. 13° 30' E.  
 District Arizona and  
 New Mex. Boundary  
 19.34 Chain S. of 279  
 mile less of which is  
 a granite stone 10x8  
 ins. firmly set in the  
 ground of stones  
 marked 279 on N.  
 22° N. d. on the S. Ariz.  
 on the N. and N. M.  
 on the East at point  
 of intersection set  
 a granite stone  
 10x8x6 ins. 7 ins. in  
 the ground for.

First Standard Cannel & through  
Chavis Range 32 E.

Skull showing hor. quadrat.  
 S.E. dir. on N. N.W.  
 on E. and S.E. on N.  
 face. <sup>with 6 notches on N. and 3 on S. on W. face.</sup> and raised  
 a mound of  
 stone along side  
 pit, unpracticable  
 surface mountainous  
 Soil with some  
 scattering cedar  
 and Pinon.  
good grass

I carefully examined  
 the adjustments of  
 my Solar Transit to-  
 day particularly  
 the latitude and  
 reversing apparatus  
 and found them  
 correct May 2nd. 1854



For final notes see  
Book No 4

U. S. Surveyor General's Office,

Tucson, Arizona, July 21, 1884

The foregoing Field Notes of the Survey of the

First Standard Parallel South,  
through Ranges 11, 12, 13 and  
a part of 35 East,

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by J. B. McLaughlin

Deputy Surveyor, under his contract of the 18<sup>th</sup>

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 H. Johnson  
Surveyor General.