

BOOK 1644

Book No. 3.

~~See Index~~

Field Notes

1644

OF THE SURVEY OF

Petrating Principal Meridian
North, through T^p. 13.
14, 15; ~~T^p~~ 16 North
Ranges 1 E. ^{and} 1 N. and
the 4th Standard, through
R. 1, N.

1644

BOOK 1644

Gila and Salt River Base and Meridian.

ARIZONA.

By J. B. Laughlin, D. S.

Under contract dated May 16th 1883.

Survey commenced June 29th 1883

Survey completed July 3rd

1644

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Principal M

through J. 1371

" " 14

" " 15

" " 16

~~" " 17~~

Retraing 4 at

R 1 W

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BOOK 1644

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Retracing.

Principal Mer. thro. Tps. 13 N. R. 1 E. & 1 W. G. & S. R. W

From the Standard Cor. to Tps. 12 & 13 N. R. S. 1 E. and 1 W. on 3^d Standard N. just described by me I run North on a blank line thro. Tps 13 N. R. 1 E and 1 W. to intersect Cor to Secs. 19-24-25 and 30 already established, and at 2 miles after making careful search for 1/2 day and finding no corner, I continue North still finding no trace of old corners, and at 6 miles finding no trace of Cor. & Tps 13 and 14 North R. 1 E. & 1 W. I proceed to Spaulding's Ranch and after close enquiry and diligent search I find the Cor. & Secs 27-28-32 and 33 in Tps. 14 N. R. 1 E. from this Cor I retrace South to Cor Secs 4-5-32-33 on South Brundage Township, thence West on Tps. line - and find no.

Retracing

Principal Meridian thro. Tps. 13 N. R^s 1 E. & 1 W. G. & S. R. 20.

Chains

Corners. At 2 miles find the Cor
to Tps. 13 & 14 N. R^s 1 E. and 1 W.
Reestablished same after the fol-
lowing manner.

Set a Granite Stone 16 x 12 x 8
in 11 ins. in the ground for Cor
to Tps. 13 & 14 N. R^s 1 E. & 1 W.
marked with 6 notches on each
edge and raised a mound of
Stone alongside

Pts impracticable

From which a Juniper 8 ins. diam.
Sec. S. 69° 30' N. 6. Lts. dist.
marked T. 13 N. R. 1 W. S. 1. B. T.

No other trees within limits

Thence I proceed to establish
a new line by running South
on a new line bet Sec 1 and 6

Mar 13^o 46 8

Retracing

Principal Meridian thru Sp. B.N. R^s. 1 E and 1 W. G + S R. 2 W.

hours

- 23.82 Cross Arroyo Course E.
 30.00 " " " N. E.
 40.00 Set a front stone 16 x 10 x 5 ins
 13 ins. in the ground for $\frac{1}{4}$ sec
 Cor marked $\frac{1}{4}$ on W face and
 raised a mound of stone
 alongside (Pit. impracticable)
- 56.53 Cross Arroyo Course N. E.
 59.78 " road bears E. & W.
 80.00 Set a front stone 18 x 12 x 10 ins
 13 ins. in the ground for Cor to
 Secs 1-6-7-12 marked with 1
 notch on N and 5 notches on S
 edges and raised a mound
 of stone alongside
 Pit. impracticable
 Surface broken
 Soil 3' wet
 Grass underneath & oak brush
-

Retracing

Principal Meridian thru Sp 18 N. R^s 1 E + 1 W.

Chains

South bet Secs. 7 + 12

Cor. 13° 46' E

2.82 Cross Arroyo Corner E.

8.70 " " " N. E.

24.07 " " " N. E.

40.00 Set a front stone 14 x 12 x 6 ins

10 ins. in the front for 1/4

Sec Cor. marked 1/4 on N edge

and raised a mound of

stone alongside *Pits impracticable*

50.68 Cross Arroyo Corner E.

73.10 " " " N. E.

80.00 Set a front stone 16 x 14 x 8 ins

14 ins. in the front for Cor to

Secs 7-12-13-18 marked

with 2 notches on N + 4 notches

on S. edge + raised a mound

of stone alongside

Pits impracticable

Surface broken

Retracing

Principal Meridian thro Sp. 13 N. R. 12 + 22

chain

Soil 3' rate

Never under growth of oak trees

Surt bet. Lins. 13 and 18
Var $13^{\circ} 46' E.$

32.10 Cross Arroyo Corner N. E.

3.62 " " " N. E

thru our rolling ridges

40.00 Let a front stone $14 \times 10 \times 4$ ins
10 ins in the front for $\frac{1}{4}$ Sec. Cor.marked $\frac{1}{4}$ on N. face and
raised a mound of stone alongside
Ascending ^{the} ^{improvement} along N. E. slope of
mountain80.00 Let a slate rock $30 \times 12 \times 3$ ins
28 ins. in the front for Cor & Lins
13-18-19-24 marked with 3
notches on N + S edges and
raised a mound of stone

Retracing,

Principal Meridian thru T₂N. R^s 1E & 1W.

Choir

Alongside

Pits impracticable

Surface mountainous

Soil 4 or 5 feet

Woods oak brush

Sault Lake, Dec 19 & 20

Dist., 13' 46' S.

Ascent on N. Slope

6.00 Top of mountain to E & W.

Descend mountain

27.00 Cross Arroyo Course S. E.

40.00 Hit a granite stone 16 x 12 x 8 in
14 ins. in the front for 1/4 dia

Core marked 1/4 on SW face

and varied a mound of
stone alongside Pits impracticable

63.60 Cross Arroyo Course N. E.

80.00 Hit a granite stone 18 x 9 x 7

Retracing

Principal meridian thro. Sp N. R 1 E 1 W.

Chains

ins 12 ins. in the row for Cor
to Dec 19-24-25 and 30
marked with 4 notches on N and
2 notches on S edges and raised
a mound of stone along side
Pit impracticable

Surface Mountainous

Soil 3rd rate

Dense under growth of oak brush

June 29th 1883

Retracing

Principal Meridian N. Cho. Tps. 14 N. R^o 1 E + 1 W. G. & S. R.

Return to the Cor. to Tps. 13 and
 14 N. R^o 1 E and 1 W. pick
 established by me and
 retrace North bet. said ranges
 and not finding any trace
 of old Corners I continue
 North on blank line to
 intersect 4 Standard North
 and at 7 1/2 miles after making
 diligent search for 1 day
 and not finding any trace
 of Standard line, I set tem-
 porary Cor. and run West on
 blank line in search of old
 Corners, and at 5 miles and
 79 1/2 Chns. find the ^{Stand} Cor. to Tps.
~~16~~ 17 N. R^o 1 + 2 W.
 I now return to the Cor. to Tps.
 13 + 14 North R^o 1 E and 1 W.
 on principal Meridian and

Tracing

Principal Meridian N. this Sp. 14 N. R^s / E and 1 W.

hours

Proceed to establish a new line
by beginning North on a true
line bet. Secs. 31 and 36
Var. $13^{\circ} 46'$ E.

40.00 Let a front stone $18 \times 8 \times 6$ ins. 13
ins. in the front for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ on N. face and
lay pits $18 \times 18 \times 12$ ins. N & S. of
stone and raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. over alongside.
Cross. Always Corner N. E.

50.00 Let a front stone $18 \times 12 \times 7$ ins.
 13 ins. in the front for Cor. to Secs
25-30-31-36 marked with 1 notch
on S. and 5 notches on E. & W. edges
and raised a mound of stone
alongside. Pits impracticable
surface pulling
Sold 3^d Rat
Dues Undergrowth

Retaining ^{max}
Principal "N. then Sp. 14 N. R. 1 E and 1 W.

Chairs

^{max}
North_N bet Sies 25 + 30
Var. 13° 48' E.

Descending

20.10 Cross Along Corner E.
27.00 " " " N.E.

40.00 Lib a front stone 14x12x6
ins 10 ins in the front part
1/4 Sec. Cor. marked 1/4 on W face
dry pits 18x18x12 ins N + S. of
stone 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high
3 1/2 ft. dia along side

45.37 Cross road to E. & W.

80.00 Lib a Sand stone 16x11x6 ins.
16 ins. in the front part for Cor to
Sies 19-24-25 and 30 marked
with 2 notches on S. & 4 notches
on N. edge and raised a
mound of stone along side
Pit impracticable

104
Principal Meridian N. this Apr 14. R^s 18. 17.

thru

Surface rolling

Soil 3' cat

Same brush

North on a true line bet Dec 19-24
Var. 13° 46' E.

- 4.00 Cross dry wash Course N. E.
Ascend over high ridge bet E & W.
- 20.00 Foot of hill
- 23.00 Lynx Creek 80 lks wide Course
E.
- 27.15 Cross road bet E & W. up Cañon
and ascend
- 40.00 Set a post 3 ft. long 3 ins square
with marked stem $\frac{1}{2}$ in the
ground for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
S. in N. face and raised a mound
of stones along side
Pt. unproductive

Retracing Principal Mer. N. thro Sp-14 N. R^s 1 E & 1 W.

Chains

65.00

Cross day work course S. E.

66.70

" Road to E & W. Top of hill

80.00

Deposited a marked stone 12 in
in the front for Cr to Lics 13-18-19 &
24 day pit ^{18x15x12 in} in each Lic 5 1/2
ft. dia. & raised a mound
of earth 2 ft. high ^{base} 4 1/2 ft. over
it. In S. E. pit drove a stake
2 in. square 2 ft. long, 12 in. in
the ground marked

T. 14 N on N. E.

R. 1 W. S. & 18 on S. E.

S. 13 on S W. and 18 on N. W. faces
with 3 notches on N & S. edges

Survey broken

Oril 3^d retr

Brush along creek

June 30th

Tracing Principal Mer N. thro' Tp 14 N. R^o 1 E + 1 W.

Corin

North on a true line bet Sec 13 + 18
 Over 13^o 45 E.

8.00 Cross Corin Cross E.

41.00 Set a point stone 14 x 10 x 6 ins
 11 ins. in the front for $\frac{1}{4}$ Sec Cor,
 marked $\frac{1}{4}$ on W. face, dug pit
 18 x 18 x 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.

74.50 Corin Cross N. E.

80.00 Set a point stone 10 x 6 x 4 ins
 7 ins in the front for Cor to Sec
 7-12-13 + 18 marked with 4 notches
 on S - 2 notches on N edges, dug
 pits 18 x 18 x 12 ins in each Sec $5\frac{1}{2}$
 ft. dist + raised a mound of earth
 2 ft. high $4\frac{1}{2}$ ft. base alongside
 Surface level
 Soil 2^o Nat.

Retracing Principal M. N. then Sp 14 N. R^S 1 E & 1 W

chains

North on a true line back Sec 7 & 12
for 13° 40' - E.

14.30 Rejoin Course N. E.

15.60 Road to N. 43° E & S 43° W.

49.00 Deposited a marked stone
12 ins in the front for $\frac{1}{4}$ Sec Cor
Aug pit 18x18x12 ins N + S. of
stone 5 $\frac{1}{2}$ ft dia & raised a
mound of earth 1 $\frac{1}{2}$ ft high
3 $\frac{1}{2}$ ft. base over it. In N. pit
drew stake 2 ft. long 2 ins. square
12 ins. in the front marked $\frac{1}{4}$ S.
on N. face

80.00 Set a granite stone 16x8x4 ins
12 ins. in the front for Cor to Sec
1-6-7 & 12 marked with 5 notches
on N., & 1 notch on N. edge
Aug pit 18x18x12 ins. in each
Sec. 5 $\frac{1}{2}$ ft dia and raised
a mound of earth 2 ft. high

Tracing Principal Mer. N. thro Sp 14 N. R^o 1 E & 1 W.

hours

4 1/2 ft. base alongside

surface level

Soil 2⁵ rate

No timber



North on a true line bet Sec 1 & 6

Star 13° 45' E.

9.00 Run in Course E.

40.00 Deposited a marked stone 12 ins.
in the ground for 1/4 sec. Cor. dug
pits 18 x 18 x 12 ins N & S. of stone 5 ft
thick ditch & raised a mound of earth
1 1/2 ft. high 3 ft base over it
In N. pit drove stake 2 ft long 2 ins
square 12 ins. in the ground marked
1/4 S. on N. face

59.40 Road bears E & W.

80.00 Set a ground stone 10 x 5 x 4 ins
7 ins. in the ground for Cor to Sps

Retracing

Principal Meridian N. 14 N. R^o 1 E + 1 W

Chairs

14th 15th 76. R^o 18 + 17 marked with 6
 notches on S. E. & W. edges, ^{each 2 1/2 in} dug
 pits 24 x 18 x 12 ins. in each ^{Lengthwise on each chair} side

6 1/2 ft. dist & raised a mound
 of earth 2 ft. high 4 1/2 ft. from
 along side

Surface level

Soil 2nd rate

No timber

From the Cor to 7th 14 N. R^o 1 E + 1
 W. just set by me
 I run

Tracing Principal Mer. N. thro Sp 15 N. R 1 E + 1 W.

hours

Went on a true line bet. Secs 31-36

Var. $13^{\circ} 44' E.$

40.00

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

50.00

Deposited marked stone 12 ins in
the ground for Cor to Secs 25-30-31
and 36 dug pits $18 \times 18 \times 12$ 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 over it
In S. E. pit drove a stake 2 ft long
2 ins. square 12 ins. in the ground
marked

T. $14^{\circ} N. S 30$ on N E.

Retroacing Principal Mer. N. this Sp. N. R. 1 E + 1 W

Chains

R. 1 E, S. 31 on S. E.

S. 36 on S. W. and R. 1 W.

Sec 25 on N. W. face with
1 notch on S. r. E. ^{5 notches} edges N. edged

Survey level

Iron 2^d rate

No timber

North bet Secs 25 + 30

Var 130 45 E.

40.00 Deposited marked stone 12 ins
in the front for $\frac{1}{4}$ Sec. Cor.
day pits 18 x 18 x 12 ins N. r. V.
of stone $5\frac{1}{2}$ ft. dish and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over
it. In N. pit drove a stake
2 ft. long 2 ins square 12 ins
in the front marked $\frac{1}{4}$ S. on
N. face

Chain Principal Mer. N. thro. Sp 14 N. R. 1 E + 1 W.

Chain

79.00 Road bear E. + W.

80.00 Deposited marked ston 12 ins,
in the ground for cor. to Secs
19-24-25-30, dug pits 18x18x
12 ins in each Sec. 5 1/2 ft. dist
and raised a mound of earth
2 ft. high 4 1/2 ft. over it.
In S. E. pit drove a stake 2 ft
long 2 ins. square 12 ins. in the
ground marked

T. 15 N. S. 18 on N.E.

R. 1 E S. 30 on S.E.

S. 25 on S. W. and R. 1 W.

S. 24 on N. W. faces with 2 notches
on S. & E. edges 4 notches on N. & W. edges

Surface level

Soil 3^d rate

Good grass

No timber

Retracing Principal Mer. N. then Sp. 15 N. R^s 18 + 1 W. R.

Chains

North on a Trunkline Secs 19 + 24
Var. $130^{\circ} 45' E.$

40.00 Deposited a marked stone
12 ins. in the ground for $\frac{1}{4}$
Sec. Cor. dug pits $18 \times 18 \times 12$ ins
N + S. of stone $5\frac{1}{2}$ ft. dia. &
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over
it. In N pit drove stake 2 ft
long 2 ins square 12 ins. in
the ground marked $\frac{1}{4}$ S. on W
face

80.39 At this point I found old Sec.
Cor. which is a granite stone
 $6 \times 5 \times 4$ ins. I reestablished it
by digging pit $18 \times 18 \times 12$ ins
in each Sec $5\frac{1}{2}$ ft. dia. and
raised a mound of earth 2
ft. high $4\frac{1}{2}$ ft. base along side
In S. E. Pit drove a stake

Tracing Principal mer. N. thro' Sp. N. R^s 18 & 19.

Chains

2 ft. long 2 in. square 12 in
in the ground marked

T. 15 N. S. 18 on N. 2.

R. 18 S. 19 on S. 2.

S. 24 on S. W.

S. 13 on N. W. faces with 3 notches
on S. & E. edges & edges

Cor to Sec 13-18-19-24

Surface level

Soil 2^o rate

No timber

North on a true line bet Sec 13 & 18
W. 13° 46' E.

40.55 At this point find traces of old
Cor. I reestablish same by setting
a point stone 8 x 6 x 5 in 5 in.
in the ground for 1/4 Sec Cor marked
1/4 on W. face, dig pit 18 x 18 x 12

Retracing Principal mer. N, thro Sp 15 N, R^s 1 E + 1 W

chains

ins. N + S. of stone $5\frac{1}{2}$ ft. dia
and raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
alongside

80.00

Deposited a marked stone
12 ins in the front for Cor 5
Ses 7-12-13 + 18 dug pit
 $18 \times 18 \times 12$ ins in each Sec $5\frac{1}{2}$
ft. dia and raised a mound
of earth 2 ft. high $4\frac{1}{2}$ ft
base over it. In S. E. pit
I drove a stake 2 ft. long 2 ins.
square 12 ins. in the front
marked

T 15 N S. 7 on N. E.

R. 1 E S. 18 on S. E.

S. 13 on S. W. and R. 1 W.

S. 12 on N. W. faces with 4 notches
on S. + 2 notches on North edges
surface level

tracing Principal Mer. N. thro Sp^s 15 N. R^s 1 E & 1 W

hours

Soil 2^d rate

Good grass



North on a town line bet. Sec 7 & 12

Var. 13° 45' E.

28.54 Road bet. N. 60° E, + S 60° W.

40.15 At this point find old ^{114 sec} Cor which I reestablish by depositing a marked stone 12 ins. in the ground for 1/4 Sec. Cor. dug pit 18x18x12 ins N. + S. of stone 5 1/2 ft. dirt and raised a mound of earth 1 1/2 ft. high 3 1/2 ft base over it, in N. pit drove a stake 2 ft long 2 ins. square 12 ins. in the ground marked 1/4 S. on W face

40.53 At this point I discover traces of old Cor. and reestablish

Refracting Principal Mer N. thro Sp-15 N. R^s 1 E 5/177

Chairs

Same by depositing a marked
 stone 12 ins in the front for
 Cor to Lees 1-6-7 + 12 dug
 pits 18 x 18 x 12 ins in each. In
 5 1/2 ft. dist & raised a mound
 of earth 2 ft. high 4 1/2 ft
 base over it.

In S. E. pit draw stake 2 ins
 square 2 ft. long 12 ins. in the
 ground marked

T 15 N. S. from N. E.

R. 1 E. S. to on S. E. 1/2 13 N.

S. 12 on S. W. and R. 1 N.

S. 6 on N. W. faces with ~~notches~~
 on each notch on ~~edge~~

Surface rolling

Ort 2⁵ rate

Good for

July 1st 1882

Facing Principal Mer. N. this Sp. 15 N. R^s 1 E + 1 W.

lines

North on a true line bet. Secs 1 + 6

Var. 13° 45' E.

0.00 At this point find traces of old
1/4 Sec. Cr. which I re-establish by
depositing a marked stone 12
ins. in the ground for 1/4 Sec. Cr.

Any pits 18 x 18 x 12 ins N + S. of
stone 5 1/2 ft. dia and raised
a mound of earth 1 1/2 ft. high
3 1/2 ft. base over it. In N. pit
drive a stake 2 ft. long 12 ins.
square 12 ins. in the ground
marked 1/4 S. on N. face

20.55 At this point I find traces of old
Cr. which I re-establish by
depositing a marked stone 12
ins. in the ground for Cr. to Apr.
18th 1678 R. L. S. M. Any pit: 18 x 18 x 12 ins
in each Sec. 5 1/2 ft. dia and
raised a mound of earth 2 ft.

Returning Principal Mer N. thro Sp. 15 N. R^s 1 E + 1 W.

Chairs

high 4 1/2 ft. from over it
In S. E. pit down stake 2 ft. long
2 ins square 12 ins. in the front
marked

T. 16 N. S. 36 on N E.

R. 18 S. 36 on S. E.

S. 1 on S W and

S. 36 on N W. faces with 1
notch on S. + 1 notch on E.
edges

Surface rolling

Soil 2⁵ rate

Good grass

From the Car to Sp. 15 N. R^s 1 E +
1 W. just set by me
I run

North on a timber line but lines 31 + 36

Tracing Principal Mer. N. thro Sp 16 N. R^o 1 E. + 1 W

on a line Var. $13^{\circ} 45' E$

40.00

Deposited a marked stone 12 ins
in the front for $\frac{1}{4}$ Sec. Cor. dug
pit $18 \times 18 \times 12$ 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. over it. In N. pit
drew a stake 2 ft. long 2 ins.
square 12 ins. in the front
marked $\frac{1}{4}$ S. on dr. face

80.00

Deposited a marked stone
12 ins in the front for Cor to
Secs 25-30-31 + 36, dug pit
 $18 \times 18 \times 12$ ins. in each Sec $5\frac{1}{2}$ -ft
dist. and raised a mound
of earth 2 ft. high $4\frac{1}{2}$ ft over
it. In S. E. pit I drew a stake
2 ft. long 2 ins. square 12 ins.
in the front marked
T 16 N. S. 30 on N. E.

Retracing

Principal Mer. N. thru Sp. 16 N. R5/E + 1 W.

R. 1 E. S. 36 on S. E.

S. 36 on S. W and

S. 25 on N. W. face with

1 notch on S. & 5 notches on E
edges

Surface level

Soil 2nd cat.

Good grass

~~~~~

Matt on a tree line bet S. 25 & 30

8 or. 13' 40' E,

40.00 Deposited a marked stone 12  
ins. in the ground for 1/4 sec cor  
Aug pits 18 x 18 x 2 ins. N & S of  
stone 5 1/2 ft. dish and raised  
a mound of earth 1 1/2 ft high  
3 1/2 ft. base over it. In N. pit  
drew a stake 2 ft. long 2 ins.  
square 12 ins. in the ground

Retracing Principal mer. N. thru Sp 16 N. R<sup>s</sup> 15 or 12 W.

Chains

80.00

marked 74 S on W face  
 Deposited a marked stone 12 ins  
 in the ground for Cor. to Sics 19-24  
 25 & 30 dug pit 18 x 18 x 12 ins  
 in each pit 5 1/2 ft. dia and  
 raised a mound of earth 2  
 ft. high 4 1/2 ft. diam over it.

In S. E. pit drove a stake 2 ft  
 long 2 in. square 12 ins in the ground  
 marked

T. 16 N. S. 19 on N E

R. 1 E S. 30 on S. E.

S. 25 on S. W. and R. 1 W

S. 24 on N W. faces with 4  
 notches on ~~W~~ & 2 notches on S edge

Surface level

Soil 2' red

Good grass

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Retracing Principal Mer. N. then Sp. 16 N. R. 1 E. & 1 W.

Chains

North on a true line bet Secs 19 & 24  
Var  $13^{\circ} 46'$  E.

40.00 Deposited a marked stone 12  
ins. in the ground for  $\frac{1}{4}$  Sec. cor.  
dug pits 18 x 18 x 2 ins. N & S of  
stone  $5\frac{1}{2}$  ft. dia. and raised  
a mound of earth  $1\frac{1}{2}$  ft. high  
 $3\frac{1}{2}$  ft. across it. In N pit  
I drove a stake 2 ft. long 2 ins.  
square 12 ins. in the front  
marked  $\frac{1}{4}$  S. on W face

75.00 Road bears E & W.

80.00 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

T. 16 N. R. 1 E. 18 on N E.

R. 1 E. Sec. 19 on S. E.

S. 24 on S. W. and R. 1 W.

S. 13 on N. W. face dug pit  
with 3 holes on N & S edges



Retracing Principal Mer. N. then Sp. 16 N. R<sup>o</sup> 18 + 22,

chairs

18 x 18 x 12 ins in each <sup>5 1/2 ft dist</sup> ~~Dist~~ and  
 raised a mound of earth 2 ft.  
 high 4 1/2 ft ~~over~~ <sup>around post</sup> ~~along side~~  
 Surface level  
 Soil 25 rods  
 Good grass

---

Went on a few lines but Dec 13 + 18.

Var. 13° 45' E

13.38 Cross road bet N. 20° E + S. 20° W

46.00 Deposited a marked stone 12  
 ins. in the ground for 1/4 Sec Cor.  
 dug pits 18 x 18 x 12 ins. N. + S. of  
 stone 5 1/2 ft. dist + raised a  
 mound of earth 1 1/2 ft. high  
 3 1/2 ft. ~~over~~ <sup>over</sup> it. In N. pit  
 drove a stake <sup>in the front</sup> 2 ft. long 2 ins. square  
 marked 1/4 S on surface

Retracing Principal Mer N. thru T 16 N. R<sup>s</sup> 1 E + 1 W.

Chains

80.00

Deposited a marked stone 12 ins  
in the front for Cor & Dec 7-12-  
13 + 18 dug pits 18, 18 x 12 ins in  
each Sec 5 1/2 ft. dist + raised  
a mound of earth 2 ft. high  
4 1/2 ft. long over it.

In S. E. Pit down a stake 2  
ft long 2 ins 12 ins. in the  
ground marked

T 16 N. S. 7 on N. E.

R. 1 E. S. 18 on S. E.

Sec 13 on S. W. and R. 1 W

Set 1/2 on N. W. trees marked  
with 2 notches on N. 4 notches  
on S. Edge

Surface level

Soil 3<sup>d</sup> roots

Good grass

Retracing Principal Mer. N. Ches Sp. 16 N. R<sup>o</sup> 1 E + 1 W.

Chain

North on a true line bet. S. 100. 7 x 12  
 Var. 13° 45' E.

- 18.30 Road bet. S. 30° W. + N. 30° E
- 40.00 Deparited a marked stone 12 ins.  
 in the ground for  $\frac{1}{4}$  Sec Cor marked  
 $\frac{1}{4}$  S. on W. face day pit 18 x 18 x 12  
 ins. N + S. of stone 5  $\frac{1}{2}$  ft. ditch  
 and raised a mound of earth 1  $\frac{1}{2}$   
 ft. high 3  $\frac{1}{2}$  ft. across it  
 In N. pit drove a stake 2 ft. long  
 2 ins. square 12 ins. in the ground  
 marked  $\frac{1}{4}$  S. on W. face  
 Enter rolling field + scattering  
 oak brush
- 50.00 Set a slate stone 16 x 8 x 4 ins 12  
 ins in the ground for Cor. to S. 100  
 1-6-7-12 marked with 12 notch  
 on N + 5 notch on S. edges and  
 raised a mound of stone  
 alongside. Pit impracticable

## Retracing

Principal Meridian N. thru Sp 16 N. R<sup>s</sup> 1E + 1W.

chains

From which a Juniper tree  
 Sins. drain bears, S. 40° W.  
 10 lbs. dist. marked  
 T 16 N.

R. 1E + 1W.

S. 12 B.T.

Juniper rolling

Dir 2<sup>o</sup> Ret

Scattery Brush

Good grass

North on a true line bet. Secs 1-6

Var 13° 45' E

S. 00 Entire denver brush

40.00 Let a post 8 ft long 3 ins diam  
 with marked stone 12 ins in dia  
 found for 1/4 Sec Cor. marked 1/4  
 S. on W. face dry pit 8x18x12  
 ins. N & S. of post 8 ft dist

Returning Principal Mer. N. 2<sup>nd</sup> Sp 16 N. R<sup>s</sup> 1E + 1W

Choirs

and raised a mound of earth  
1 1/2 ft high 3 1/2 ft. base about  
post

So. 00

and at temporary cor.  
Set a round stone 24 x 16 x 5 ins  
18 ins. in the front for Standard  
Mer. Cor. Comm. & Sec. to

31-36 Sp 16-17 N. R<sup>s</sup> 1E +  
1W, marked with 6 notches  
on N. S. E. + W edges and

raised a mound of stone  
along side Pit. Unpracticable  
Surface rolling

Soil 3<sup>rd</sup> rate

Scum Undergrowth

July 2<sup>nd</sup>

Retaining 4<sup>th</sup> Standard N. this ~~Sp. 17~~ N. R. 12 24.

Chorus

From the <sup>Standard</sup> Cor. to Sp. 17 north  
R<sup>s</sup> 1 C + 2 W which is a granite  
stone 20 x 14 x 8 in. Set firmly in the  
ground marked with 6 notches on  
N. E. + W. faces and around  
of stone along grid, on N. W.  
slope of rocky ridge

Run E. on a true line S. Bdy  
<sup>bet. S. 6 + 3</sup>  
over Rocky mountain ridges  
Var 13° 45' E.

46.00

Set a granite stone 20 x 10 x 6 in  
15 in. in the ground for Standard  
1/4 Sec Cor. marked S.C. 1/4 on  
N. face and raised a mound  
of stone alongside. Pits impracticable  
on N. E. slope of Rocky Ridge

47.00

Cross Across Corner S. E. then  
over rocky ridge

80.00

Set a granite stone 26 x 10 x 4

Retracing 4<sup>th</sup> Standard N. this ~~spot~~ N. N<sup>o</sup> 17W

Chains

was 19 ins. in the front for Standard  
 Cr 6 Sies 31-32 marked  
 with 5 notches on E + 1 notch  
 on W. edge and raised a  
 mound of stone along side.  
 Pits impracticable

Surface mountainous & Rocky  
 Soil 3<sup>rd</sup> rate  
 Iron pyrites

---

on S. Bdy  
 E, on a line bet. Sies 5 + 32  
 Var 13° 45' E.

7.00 Cross point Creek 600 yds wide  
 Course N. W.

No water. Valley 10 chrs. wide

12.00 Asand rock Malpais Mountain  
 40.00 Set a volcanic rock 16 x 14 x 10 ins  
 12 ins. in the front for Standard

Retracing of Standard N. Ohio R. 1 W.

Chains

1/4 Sec Cor. marked S. C. 1/4 on N  
face and raised a mound  
of stone alongside  
Pits impracticable

70.00 Top of ridge bears N.E. & S. W.  
thru over Rocky ridges

80.00 Set a Quartzite rock 2x8x4  
ins. 15 ins. in the point for  
Standard Cor. & Secs 32-33  
marked with 4 notches on E and  
2 notches on N. Edges and  
raised a mound of stone  
alongside. Pits impracticable  
In far broken & Rocky and  
Mountainous  
Soil 3' at  
Some grass

---



Rhaciny 4<sup>th</sup> Standard N. chis R. 1 W.

Chassis

on S. Body

East on a true line, but Secs 4 + 36

Var.  $13^{\circ} 45' E.$

Over Rocky Ridges

73.00 Enter Valley

36.00 Trail to N.E + S. W.

40.00 Set a Malpais Rock  $16 \times 10 \times 8$  ins

12 ins. in the ground for Standard

$\frac{1}{4}$  Sec Cor marked S. C.  $\frac{1}{4}$  on

N. face and raised a mound

of stn alongside

Rte. impracticable

69.80 Road to N + S.

50.00 Set a Malpais rock  $18 \times 12 \times 5$

ins. 12 ins in the ground for

Standard Cor to Secs 33-34

marked with 3 notches on E +

W. edges and raised a mound

of stn alongside

Rte. impracticable

Retracing 4<sup>th</sup> Standard N. thru R. 177

Chowin

Surface broken  
Soil 2<sup>nd</sup> set  
Some grass

---

East on a <sup>cup</sup> ~~trunk~~ <sup>top of Sec</sup> ~~at Sec~~ 34  
Var 13' 45' E.

39.56 Road bet N.E. & S. W.

40.00 Set a Malpais rock 16x12x8  
cir. 12 ins. in the ground for  
Standard 1/4 Sec. Cor marked

S. C. 1/4 on N. face and  
~~in~~ <sup>in</sup> ~~the~~ <sup>ground</sup> of stone  
alongside. ~~It~~ <sup>is</sup> ~~impracticable~~

59.00 Ent. scattering timber

80.00 Set a Cedar post 4 ft. long 4 ins  
square with marked stone 12  
ins. in the ground for Standard  
Cor. & Secs 34-35 marked

Refracting 4<sup>th</sup> Standard N. thru R. 1 W.

Chim

S. C. T. 17 N. R. 1 W. on N.

S. 35 on E. and

S. 34 on W. face with 2 notches

on E. & 4 notches on W. edges

and raised a mound of stone  
around post. Pit impassible

Surface level

Iron 3<sup>rd</sup> not

Good grass and

Scattering timber. Losh 30 chns.

Each on a stone line <sup>on S. By of Sec</sup> ~~2 + 35~~  
W. 13° 45' E.

4000 Set a Malpais post 16x10x8 ins  
12 ins. in the ground for Standard  
H. Sec. C. marked S. C. 1/4 on N  
face and raised a mound  
of stone around. Pit impassible

Retracing Standard N. trip R 177.

chains

47.00 Ascend N. end of mountain  
 71.00 Some scattering timber  
 80.00 Hit a Malpais rock 12x10x10  
 in. of in. in the form for Standard  
 Cor. & Lees 35 + 36 marked  
 with 1 notch on E + 5 notches  
 on W. Edges and raised  
 a mound of stone alongside  
 Pit impracticable  
 Surface level + Mountainous  
 Some grass  
 Scattering Cedar + Pine

East on a <sup>small</sup> <sup>ridge</sup> <sup>of</sup> <sup>the</sup> <sup>mountain</sup> <sup>to</sup> <sup>the</sup> <sup>top</sup> <sup>of</sup> <sup>the</sup> <sup>mountain</sup> <sup>to</sup> <sup>the</sup> <sup>top</sup> <sup>of</sup> <sup>the</sup> <sup>mountain</sup>  
 East on a <sup>small</sup> <sup>ridge</sup> <sup>of</sup> <sup>the</sup> <sup>mountain</sup> <sup>to</sup> <sup>the</sup> <sup>top</sup> <sup>of</sup> <sup>the</sup> <sup>mountain</sup>  
 Mar 13' 45' E.

Ascending

27.00 Top of mountain to. E + W.  
 Thence along top of mountain

Retracing 4<sup>th</sup> Standard N. thro. R. 1 W.

Chains

40.00 Set a malpais rock 16x12x8 ins  
12 ins. in the pond for Standard  
1/4 Sec. Cor. Market S. C. 1/4 on  
N. face and raised a mound  
of Str. alongside  
Pits impracticable

61.00 Descend

73.00 Run Course South

79.35 Intersect the G. and S. R. Principal  
Mexican, at cor to <sup>Standard meridian</sup> sps. 16 and 17  
N. R. 1 E and 1 W just set  
by me.

Surf. Rolling and mountainous  
Soil v. good rate.  
Good grass.

July 3<sup>rd</sup> 1853.

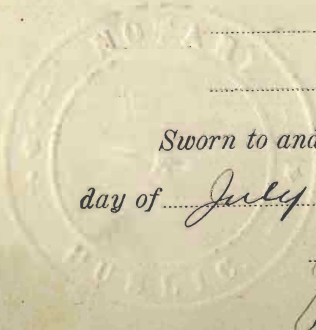
Final Oath of Assistants.

We hereby certify that we assisted Johnston  
B McLaughlin U. S. Deputy Surveyor, in surveying  
 the 9<sup>th</sup> S. R. Principal Meridian, through  
 Tps 5. 6. 7. 8. 9. 10. 11. 12. <sup>and</sup> a part of Tp 13 N. Rs 1 E & 2 W  
<sup>and</sup> the retracing of same line through a part of  
 Tp 13 N. to the 4<sup>th</sup> Standard Parallel North.  
<sup>and</sup> the second Standard Parallel North  
 through Rs 1. 2. 3. 4 <sup>and</sup> 5 West  
 and that said Survey has been in all respects, to the best of our  
 knowledge and belief, well and faithfully executed, and the  
 boundary monuments planted according to the instructions  
 furnished by the Surveyor-General.

John A. Rockwell Walter E. Serron Chairman.  
Thomas Olyphant Ridgely In. Laird Chairman.  
John D. Watts Joseph B. Lewis Chairman.  
Nathaniel Strickolls Flagman.

Sworn to and subscribed before me, this 9<sup>th</sup>  
 day of July 1888

J. B. McLaughlin  
 Notary Public



BOOK 1644  
Final Oath of Deputy Surveyor.

46

1. *Johnston B M Laughlin*

United States Deputy Surveyor, do solemnly swear that I have,  
in my own proper person and with the necessary assistants,  
well, truly and faithfully executed the survey of *the*

*by* *and* *S.R. Principal Meridian through Tps 5:*

*6. 7. 8. 9. 10. 11. 12. and a part of Tps 13 N. Rs 18*

*and* *the retracing of same line through a part of*  
*T. 13 N. to the 4<sup>th</sup> Standard Parallel North.*

*and* *the second. Standard Parallel North. through*  
*Rs 1. 2. 3. 4<sup>th</sup> West.*

*J. W. Robbins*

under my contract with ~~John Wesson~~, United States Surveyor  
General for Arizona, bearing date the *15<sup>th</sup>* day of

*May*, 188*3*; that in making the said Sur-

vey I have used only such instruments as were approved by the  
said Surveyor-General, exercising due care in the preservation  
of adjustments of the same; that in using the solar compass I  
have at no time projected established lines depending for align-  
ment upon the magnetic needle; that I have in all respects com-  
plied with the laws of the United States governing public-land

surveys, the surveying manual, and such additional instructions as have been furnished me by and through the said Surveyor-General relating to the aforesaid Survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned; that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field-notes are the original, true, and correct returns of the said Surveys.

Johnston B M Lang  
U S Dept Surveys

Subscribed and sworn to before me this 24<sup>th</sup>

day of August - 1883

R. C. Powers  
Notary Public

BOOK 1644