

R. C. Powers Con. No. 20
1892

no. 1269

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BOOK 1269

1269

4-671

FIELD NOTES
GENERAL LAND OFFICE.

Surveys.

East Bdy. T. 3 N. R. 4 E.

Part of S. Bdy. T. 3 N. R. 4 E.



No. 1269

BOOK 1269

Field Notes
of the Survey of the

East Boundary and part of
the S. Bdy. of T. 3 N. R. 4 E.

of the
Base and principal Meridian
in the

Territory of Arizona

as surveyed by

Ridgley C. Powers

U. S. Deputy Surveyor

Under his Contract No. 20

Dated January 1st 1892.

Survey commenced June 20. 1892

Survey completed June 22. 1892

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Index to the

East, and 1 mile S.
Boundaries T. 3 N. R. 4 E.

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Page. 12 6

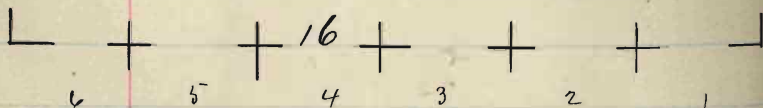
East Bdy	T 3 N	R 4 E	- 3	+
South	"	"	4 E 15	11 7

13 9 18

24 8 19

25 6 30

31	32	33	34	35	36	5 31
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List of Names.

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BOOK 1269

A List of the Names of Individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of the survey of ~~Extension and~~

Sub-division lines of Tr. 3

N. R. 4 E. Tr. 4 N.

R. 1 E. and T. 5 N. R. 1 E.

Gila and Salt-river

Base and Meridian

Showing the respective capacities in which they acted.

- John J. Hill Chainman
- Willard B. Hastings Chainman
- Mathew E. Gilson Axeman.
- Sherman H. Phillips Flagman.

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Preliminary Oaths of Assistants.

BOOK 1269

We, *John J. Hill*
and *Willard B. Hastings*

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 the instructions given us in the Survey of the

East
South

Extent and Subdivision lines of Tps. 4 and 5 North R. 1 E. and Tps. 3 N. R. 4 E. of the Gila & Salt River Base & Meridian Arizona.

John J. Hill
Willard B. Hastings



Sworn to and subscribed before me, this 20th day of

June, 1882

Chas. D. Padden
Notary Public in and for
Maricopa Co Arizona

We, *Matthew Gilson Sherman* 20
Phillips BOOK 1269

do solemnly swear that we will well and truly perform the
duties of *Assessors and Surveyors*

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
Exterior and Subdivision lines of Tracts
4 & 5 North R. 1 E. and Tr. 3 N R.
4 E. of the Gila and Salt River
Base and Meridian Arizona

Matthew E. Gilson
Sherman H. Phillips

Sworn to and subscribed before me this *22nd* day of

June, 188*4*

Chas D. Padden
Notary Public in and for
Maricopa Co. Arizona



terior Boundaries J. 3 N R. 4 E

Survey commenced June 20th
1892 with an improved Solar
Compass with telescope attach-
-ment, made by Mr L.E. Gurley

At the Cor. to Tps. 2 & 3 N.
R. 4 & 5 E. Latitude $33^{\circ} 33' N.$ &
Longitude $111^{\circ} 51' W.$ of Greenwich I
observed Polaris at its eastern
elongation at 13 h. 24^m A.M.
and find its magnetic bearing to
be $11^{\circ} 50' W.$

N. end of needle $11^{\circ} 50' E.$

The azimuth, page 56

Manual $1^{\circ} 31' E$

The sum is the Va. $13^{\circ} 21' E.$

I lay off the Azimuth to the West
and mark the true meridian
by driving a picket 3 Chains
North of the Corner.

June 20th 1892.

East Exterior Boundaries J. 3 N. R. 4 E.

Chains

At 1 o'clock A. M. June 20th
 I find the magnetic bearing of
 the line established last
 night to be $N. 13^{\circ} 21' W.$ and
 I also find the mean declination
 to be $13^{\circ} 21' E.$

I begin at the cor. to Sp.
 2 and 3 N. R's 4 & 5 E, which
 is a mesquite post 4 ins. square
 marked

J. 3 N. S. 31 on the N. E.

R. 5 E. S. 6 on S. E.

J. 2 N. S. 1 on S. W. and

R. 4 E. S. 36 on N. W. faces.
 with 6 notches on each edge
 with pits $24 \times 18 \times 12$ ins,
 lengthwise on each line N.
 S. E. and W. and a mound
 of earth $2\frac{1}{2}$ ft high 5 ft base

East

Exterior Boundaries T. 3 N. R. 4 E.

Chain around post.

Thence I run

North between Secs. 31 and 36

Va. $13^{\circ} 21' E.$

40.00 Set a mesquite post 3 ft. long
3 inches square with marked
stone 12 inches in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on W.
face, dug pits $18 \times 18 \times 12$ ins. N. &
S. of post $5\frac{1}{2}$ ft. dist. and
raised a mound of earth $1\frac{1}{2}$ ft
high $3\frac{1}{2}$ ft base around post

80.00 Set a mesquite post 4 feet
long 4 ins. square with marked
stone 12 ins. in the ground for cor.
to Secs. 25, 30, 31 and 36 marked
T. 3 N. S. 30 on N. E.
R. 5 E. S. 31 on S. E.
R. 4 E S. 36 on S. W. and

East

Exterior Boundaries of T. 3 N R. 4 E.

Chains S. 25 on N. W. faces, with 5 notches on N. and 1 notch on S 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

Land level mesa

Soil loam 1st rate

No timber. Dense brush

N. bet. Secs. 25 and 30

Va. $13^{\circ}21'$ E.

40.00 Set mosquito post 3 ft long 3 ins. square with marked Stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on W. face, dug pits 18 x 18 x 12 ins. N. & S. of post and raised a

East

Exterior Boundaries of T. 3 N. R. 4 E.

Chains Mound of earth 2 ft high $3\frac{1}{2}$ ft
base around post

80.00 Set ironwood post 4 ft long 4
ins. square with marked stone 12
ins. in the ground for Cor. to Secs
19, 24, 25 and 30 marked

T. 3 N. S. 19 on N. E.

R. 5 E. S. 30 on S. E.

R. 4 E. S. 25 on S. W. and

S. 24 on N. W. faces, with 4
notches on N. and 2 notches on S.
edges, 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 around post.

Land level mesa

Soil loam 1st rate

No timber. Some brush.

Exterior Boundaries of T. 3 N. R. 4 E.

Chains. N. 1st. Secs. 19 and 24

Va. $13^{\circ} 21' E.$

40.00 Set a mesquite post 3 ft long
 3 ins. square 12 ins. in the ground
 with marked stone for $\frac{1}{4}$ Sec. Cor.
 Marked $\frac{1}{4}$ S. on W. face, dug
 pits $18 \times 18 \times 12$ ins. N. & S. of
 post $5\frac{1}{2}$ ft dist. and raised a
 mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft
 base around post from which
 an ironwood tree 6 ins. diam. bore
 N.W. 123 ebs dist. marked $\frac{1}{4}$ S.B.T.

80.00 Set mesquite post 4 ft long
 4 ins. square with marked stone
 12 ins. in the ground for Cor. W
 Secs. 13, 18, 19 and 24 marked
 T. 3 N. S. 18 on N. E.

R. 5 E. S. 19 on S. E.

R. 4 E. S. 24 on S.W. and

East

- Exterior Boundaries T. 3 N. R. 4 E.

S. 13 on n. w. faces, with 3
notches on n. & S. edges, dug pits
18 x 18 x 12 in. 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.

Land level mesa

Soil loam 1st rate

No timber. Dense brush.

Fence N. bet. Secs. 13 & 18

Va. $13^{\circ}21'E$.

4000 Set musquite post 3 ft long 3 in
square with marked stone 12 in.
in the ground for $\frac{1}{4}$ Sec. Cor.

Marked $\frac{1}{4}$ S. on W. face, dug pits
18 x 18 x 12 in. N. & S. of post $5\frac{1}{2}$
ft dist. and raised a mound

External Boundaries T. 3 N. R. 4 E.

Chains of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base around post

80.00 Set Mesquite $1\frac{1}{2}$ ft long 4 ins. square with marked stone 12 ins. in the ground for Cor. to Sec. 7.

12, 13 and 18 Marked

T. 3 N. S. 7. on N. E.

R. 5 E. S. 18 on S. E.

R. 4 E. S. 13 on S. W. and

S. 12 on N. W. faces. with 2

notches on N. and 4 notches on

S. edges. 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 around post

Land level mesa

Soil loam 1st rate

No timber Dense brush

Exterior Boundaries T. 3 N., R. 4 E.,

Chain N. bet. Sec. 7 and 12

Va. $13^{\circ} 21' E.$

40.00 Set mesquite post 3 ft long 3
ins square with marked stone
12 ins. in the ground for $\frac{1}{4}$ Sec. Cor.
Marked $\frac{1}{4} S$ on W. face, dug pits
 $18 \times 18 \times 12$ ins N and S. of post
 $5\frac{1}{2}$ ft dist. and raised a
mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft
base around post

80.00 Set a mesquite post 4 ft long
4 ins square with marked stone
12 ins in the ground for Cor. to
Secs 1, 6, 7 and 12 marked
T. 3 N. S. 6 on N. E.

R 5-8 S. 7 on S E

R 4 E. S. 12 on S W and

S. 1 on N W faces, with 1
notch on N and 5 notches on S

Exterior Boundaries T. 3 N. R. 4 E

Chains edges 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 around post
Land level mesa
Soil loam 1st Rate
No timber. dense brush

N. bet Secs 1 and 6

Va 13° 21' 2.

40.000 Set ironwood post 3 ft long
3 ins square with marked
stone 12 ins in the ground for
1/4 Sec. Cor. marked 1/4 S on W.
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
1 1/2 ft high 3 1/2 ft base around

East

Exterior Boundaries T. 3 N. R. 4 E.

Chains

post

80.00

Set Palo Verde post $4\frac{1}{2}$ ft long 4 ins square with marked stone 12 ins in the ground for Cor to Tps 3 and 4 N Rngs 4 and 5 E marked:-

T. 4 N S 31 on N. E.

R 5 E S. 6. on S. E.

T 3 N S 1 on S. W. and

R 4 E S 36 on N W faces with 6 notches on each edge

Dug pits $24 \times 18 \times 12$ ins

lengthwise on each line N. 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

Land level

Soil light gravelly mesa

2nd rate

Exterior Boundary T. 3 N. R. 4 E.

Chain Timber Scattering Palo Verde
and dense brush

No. 1269

BOOK 1269⁵⁻

South Boundary of T. 3 N. R. 4 E.

June 21st 1892

At 12 o'clock M. to day I took latitude and found it to be $33^{\circ}34'$ N and the variation of the needle $13^{\circ}21'$ E. I also examined my instrument and found it to be in perfect adjustment.

I found it impracticable to extend the W. boundary further south on account of the precipitous character of the mountains.

I extended the survey of the South Boundary of this T^p, however, as follows:

From the Cor. to 3.4. $33^{\circ}34'$ which is a stone $8 \times 8 \times 6$ above

S. Boundary of

ground, and a mound of
stone alongside and properly
marked I run

W. bet. Secs. 4 and 33

Na. $13^{\circ} 21' E.$

Over rolling stony surface

30.00

Commence to ascend

40.00

After diligent search failing to
find old cor. I set a stone
 $12 \times 8 \times 6$ ins 8 ins in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
W. face and raised a mound
of stones $1\frac{1}{2}$ ft high 2 ft base
alongside. Pets impracticable.

70.00

Base of mountain. Ascend.

77.00

Top of rocky spur E. S. E. &
S. W. 150 ft high and descend.

80.00

30 feet below top. Rock in
place $24 \times 20 \times 15$ above

F. 3 N, R. 4 E.

ground which I mark with
a + at the exact point for
Cor. to Secs. 4, 5, 32, & 33, with
4 notches on E. and 2 notches
W. of cross X and raised a
mound of stone $1\frac{1}{2}$ ft high
2 ft base alongside.

Land mountainous

Soil rocky, 4th rate

No timber, dense brush

It is impossible to extend
this boundary line farther
West on account of the
abrupt mountains.

This township is located in what is known as Paradise Valley and with the exception of Sec. 31 and part of Sec. 32 is level and very fertile land. It is covered with a dense growth of greasewood, Mesquite, palo verde and Cat claw brush. As I am to subdivide it I withhold further general description now.

June 22, 1892

U. S. Surveyor-General's Office,

TUCSON, A. T., Jan 28 1895.

The foregoing Field Notes of the Surveys of
the East Boundary of T. 3. N.
R. 4. E & portion of South
Boundary of T. 3. N. R. 4. E.
of the - Gila and Salt River Meridian
in - Arizona executed by
Ridgley C. Powers

U. S. Deputy Surveyor, under his contract dated
January 1st 1892

having been critically examined, the necessary correc-
tions and explanations made, the said Field Notes and
the surveys they describe are hereby approved.

Geo. H. Manning
U. S. Surveyor-General
for the Territory of Arizona.