

BOOK 1333

Resurveys.
of
Exteriors.

— " —

S. Bay. of J. 4 R. 1 E.
W. " " " 3 " " 3 E.
S. " " " 4 " " 2 E.

BOOK 1333

4-671

1333

FIELD NOTES
GENERAL LAND OFFICE.

No. 1333



Field Notes
of the Resurveys of the

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of the
Principal Base and Meridian
in the

Territory of Arizona

as surveyed by

James H. Martineau

U. S. Deputy Surveyor
under his contract No. 30

Dated June 21st 1893.

Survey commenced Dec. 16, 1893

Survey completed March 3, 1894

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South Bdy. T. 4 N. R. 1 E.

31	32	33	34	35	36
5	8	10	12	14	16
6	5	4	3	2	1

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South Bdy. T. 4 N. R. 2 E.

31	32	33	34	35	36
36	37	39	40	41	42
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West Bdy. J. 3 N. R. 3 E.

	—	
1	29	6
	—	
12	27	7
	—	
13	25	18
	—	
24	23	19
	—	
25	22	30
	—	
36	20	30
	—	

Resurvey
South Boundary of T.

Survey commenced Dec. 16th
1893 with a Gurley transit, 5-in
needle, solar attachment and
Latitude and declination arcs
reading to 30."

I took an observation on Polaris
at its upper culmination at
7^h 37' P. M. correct Solar time, at
the Cor. to Tps. 3 & 4 N. R. 18. & 1 W.
which is a granite 9 x 5^{ins} above
ground, marked with 6 notches on
N. & S. edges and 3 notches on
S. face. I drove a picket on the
line thus determined at 4.27 chs.
distance.

Dec. 16, 1893

Dec. 17, 1893

at 7 o'clock A.M. I find the

4 N. R 1 E.

bearing of Polaris as found last night to be N. $13^{\circ}9'$ W. and Va. of needle $13^{\circ}9'$ E. As the correction for daily Va. is only .3 of a minute ^{at 7.9. M.} take the Va. at $13^{\circ}9'$ E.

At noon I took observation for Latitude and find it to be N. $33^{\circ}39'$ by instrument.

At $7^{\text{h}}33'$ P.M. I again took observation on Polaris at upper culmination and find the Va. $13^{\circ}9'$ as before.

Dec. 17, 1893

Monday Dec. 18, 1893.

From the cor. to Tps. 3 & 4 N. R's 1 E. and 1 W. I run

N. $89^{\circ}45'$ E. on true line along S. boundary of Sec. 31.

Resurvey
South Boundary ofVa. $13^{\circ}9'E$.

In Agua Fria Bottoms

- 21.70 Foot of ascent, and leave
bottoms
- 24.00 Top of mesa 60 ft high. Thence
over level land.
- 27.00 Road to Phoenix, bears S^1E .
- 42.16 Set a post 3 ft long 3 ins. sq.
with mkd. stone 12 ins. in the
ground for $\frac{1}{4}$ Sec. Cor. Mkd. $\frac{1}{4} \times 5$
on N. face. Dug pits $18 \times 18 \times$
 12 ins E. & W. 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.
- 42.36 A point 65 lks. South of cor.
Set by Arizona Canal Co.
and adopted by U. S. Deputy
Surveyor Powers in his survey

J. 4 N. R. 1 E.

as a true corner. This, and all other corners set by the Arizona Canal Co. are marked A. C. C. on their faces.

69.00 Road, bears nearly E. & W.

82.16 Deposited a mkt. Stone 12^{ins} in the ground for cor. to Secs. 5, 6, 31, 32, 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 over it.

In S. E. pit drove a stake 2 ft long 2^{ins} sq. 12^{ins} in the ground marked

J. 4 N. S. 32 on N. E.

R. 1 E. S. 5 on S. E.

S. 6 on S. W. and

S. 31 on N. W. faces, with 1 notch on W. and 5 notches on E.

Resurvey
South Boundary of

edges

Land generally flat.

Soil 2nd rate - sandy loam.

No timber

N. $89^{\circ}45'E$, on a true line
bet. Secs. 5 & 32N. $13^{\circ}9'E$.

Over level land

0.60 Point 1.21 Chs. S. of corner
adopted by Deputy Powers as
his Sec. Cor.How Set a post 3 ft long 3 ins. sq.
with brkd. stone 12 in
the ground for $\frac{1}{4}$ Sec. cor.
brkd. $\frac{1}{4}$ S on N. face, dug
pits $18 \times 18 \times 12$ ins. E. & W. of
post $5\frac{1}{2}$ ft dist. and

J. 4 N. R. 1 E.

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

40.65 A point 1.84 lks. S. of Cor. adopted by Deputy Powers.

80.00 Set post 4 ft long 4 ins. sq. with mkt. stone $12\frac{1}{2}$ ins in the ground for Cor. to Sec. 4.

S. 32. 33. Marked

J. 4 N. S. 33 on N. E.

R. 1 E. S. 4 on S. E.

S. 5 on S. W. and

S. 32 on N. W. faces, with 2 notches on W. and 4 notches on E. edges. Dug pits $18 \times 18 \times 12\frac{1}{2}$ 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

Soil 2nd rate

Resurvey
South Boundary
No timber

N. $89^{\circ}45'E$. on a true line
bet. Secs. 4 and 33

(Va. $13^{\circ}9'E$.)

Over level land

2.14 A point 2.29 Chs. S. of Cor.,
adopted by Deputy Powers as
Sec. Cor.

8.73 Road bears nearly West

14.15 Road bears N. $10^{\circ}W$.

40.20 Set a post 3 ft long $3\frac{1}{2}$ ins Sq.
with mkol. Stone 12 ins. in the
ground for $\frac{1}{4}$ Sec. Cor. mkd.
 $\frac{1}{4}S$ on N. face. Dig pits $18 \times 18 \times$
 $12\frac{1}{2}$ ins E. & W. 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

of J. H. R. & E.

around post.

- 41.13 Point 2.96 Chs. S. of corner
adopted by Deputy Powers as $\frac{1}{4}$
Sec. cor.
- 57.00 Road, bears N. E. & S. W.
- 59.60 South Bank of Arizona canal, 12 Chs
wide, course S. 80° W.
- 77.20 Same canal, course N. W.
- 80.00 Set a stone 12x8x4ⁱⁿ 8ⁱⁿ in the
ground for cor. to Secs. 3.4, 33.34,
mkd. with 3 notches on E. & W.
edges. Dig pits 18x18x12ⁱⁿ in
each Sec. 5 $\frac{1}{2}$ ft. dist, and raised
a mound of earth 2 ft high 4 $\frac{1}{2}$
ft base alongside.
- Land level
- Soil 2^d rate, sandy loam
no timber
- Brush whole distance.

Resurvey
South Boundary

N. $89^{\circ}45'E$. on a true line
bet. Secs. 3 & 34
Va. $13^{\circ}9'E$.

- 1.00 A point 250 Chs. S. of cor.
adopted by Deputy Powers as his
Sec. Cor.
- 40.00 Set a post 3 ft long 3 ins. sq.
with mkd. stone 12 ins in the
ground for $\frac{1}{4}$ Sec. Cor. Mkd. $\frac{1}{4}$ S
on N. face, dug pits $18 \times 18 \times 12$ ins
E. & W. 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.
- 41.25 A point - 4.14 chs, S. of cor,
adopted by Deputy Powers as his
 $\frac{1}{4}$ Sec. Cor.
- 43.20 Arizona Canal. course N. W.
- 64.75 Same canal. course S. W.
- 66.80 Right bank of New River

of J. H. R. 1 E.

course S. Enter dense brush.

West channel of river

69.70 Left bank of new River bed,
west channel

72.00 Right bank of east channel
of new River, course S.

77.30 Left bank of same channel,
Banks left high

80.00 Set a stone $15 \times 7 \times 4$ ^{ins} 10 ^{ins}
in the ground for cor. to Secs. 2,
3, 34, 35, notched, with 4 notches on
W. end and 2 notches on E. edges
Dig 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 alongside.

Land level

Soil 2nd rate - Sandy loam
No timber. Brush whole

Resurvey
South Boundary of

distance. Dense undergrowth
13.00 Chs.

N. $89^{\circ}45'E$. on a tree line
bet. Secs. 2 & 35⁻
Va. $13^{\circ}9'E$.

Over level land

- 2.00 A point 4.77 Chs. S. of Cor.
adopted by Deputy Powers.
- 3.00 Mr. Tracy's house about
3.00 Chs. South
- 2.95 Canal, 15 Chs wide, course N. W.
- 9.00 Small water ditch, course S. W.
- 40.00 Set a post 3 ft long 3 ins. sq.
with Mkd. Stone 12 ins. in the
ground for $\frac{1}{4}$ sec. Cor. Mkd. $\frac{1}{4}$ S
on N. face, dug pits $18 \times 18 \times 12$ in
E. & W. of post $5\frac{1}{2}$ ft dirt, and

T. 4 N. R. 1 E

15

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

42.00

A point 5.32 Chs. S. of cor.
adopted by Deputy Powers.

73.45

Canal, course N. 80° W.

80.00

Set a stone $15 \times 12 \times 10$ ^{ins} $- 10$ ^{ins} in
the ground for Cor. W. Sec. 1, 2, 35.
36. mkd. with 5 notches on W.
and 1 notch on E. edges. Deep
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
alongside.

Land level

Soil 2nd rate - Sandy

No timber. Brush whole
distance.

Resurvey South Boundary of

N. $89^{\circ}45'$ E. on a true line
 Sect. Sec. 1 x 36

(Va. $13^{\circ}9'$ E.

Over level land

- 2.25 A point 5.71 Chs. S. of cor.
 adopted by Deputy Powers
- 31.55 Remains of pre-historic canal
 5 ft deep, course S. W.
- 40.00 Set a Stone $14 \times 10 \times 8$ ins
 10 ins in the ground for $\frac{1}{4}$ Sec.
 Cor. Inked. $\frac{1}{4}$ on N. face. Dig
 pits $18 \times 18 \times 12$ ins E. & W. 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.
- 42.50 A point 6.29 Chs. S. of cor.
 adopted by Deputy Powers as
 his $\frac{1}{4}$ Sec. Cor.
- 80.00 Set a Stone $16 \times 14 \times 8$ ins $\frac{1}{4}$ the

T. 4 N. R. 1 E.

in the ground for cor. to Sps.
 3 & 4 N. R's 1 & 2 E., marked
 with 6 notches on N. S. E. & W.
 edges. Dug pits 24 x 18 x 12 ins
 lengthwise on each line N. S.
 E. & W. of stone 6 ft. dist. and
 raised a mound of earth 2 1/2 ft
 high 5 ft base alongside.

Land level

Soil 2nd rate, sandy loam.

No timber

Brush whole distance.

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BOOK 1333

Resurvey
South Boundary of T. 4 N. R. 1 E.

General Description.

The lands on each side of this line are good, and with irrigation will produce bountiful crops. Brush covers the whole country, growing from 4 to 10 ft high with but little grass.

J. H. Martineau
U. S. Deputy Surveyor

BOOK 1833

19

Resurvey of West Boundary of
Survey Commenced
Dec. 26. 1873.

My instructions requiring me to
close my subdivision lines
on W. boundary, I make
diligent search and find no
corners on the line except some
set by the Arizona Canal Co.,
which are all marked A C C.
I am therefore compelled to
make a resurvey of said line
and re-establish the corners
on West Boundary.

From the re-established
Cor. to Fps. 243 N. R. 243
E. I run
North Let. Sec. 31436
Va. $13^{\circ}40'E$.

J. J. G. R. & E.

Along middle of road from
Phoenix to Prescott, bears N. & S.

39.92 A Stone set by Ariz. Canal Co.
40.00 Set a stone $15 \times 8 \times 6$ ins 10 ins in
the ground for $\frac{1}{4}$ Sec. Cor.

Mkd. $\frac{1}{4}$ on W. face. I dug no
pits nor raised mound, as
the cor. is in traveled road

79.91 Stone set for Cor. by Arizona
Canal Co. Removed it

80.00 Set a stone $14 \times 10 \times 9$ ins 10 ins
in the ground for Cor. to Secs. 25-
30, 31, 36, mkd. with 1 notch
on S. and 5 notches on N. edges.

Raised no mounds nor dug
pits, as cor. is in traveled road.

Land slopes gently to S.

Soil 2nd rate - loamy,

No timber

Resurvey of West Body of

North lot, Sec. 25 & 30

Va. $13^{\circ}40'E$.

Along road, bears N. & S.

20.00 Mr. Hardin's House, bears
about 6.00 Chs. W.22.00 Center of bridge over Arizona
Canal. Canal bears nearly W.

23.00 Hardin's Store, 1 Ch. West.

40.00 Set a stone $10 \times 7 \times 6$ ^{ins} 10 ^{ins}
in the ground, in middle of
road, for $\frac{1}{4}$ Sec. Cor. Mk'd. $\frac{1}{4}$ on
W. face. Dig no pits nor
raised any mound because
of heavy travel in road, which
bears N. & S.79.84 Original Cor. 2 Eks. W. of any
line, a stone about 6×5 ^{ins}

J. S. N. R. S. E.

above ground, marked with 2 notches on S. and 4 notches on N. edges. with mound and pits plainly discernible. This cor. is about 20 lks. W. of road in brush. As this cor. agrees so nearly in alignment and distance, and is properly marked, I am sure it is a true cor. and adopt it as such in my survey.

Land slopes gently S.

Soil 2nd rate - loamy.

No timber

North bet. Secs. 19 & 24

Va. 13° 40' E.

Over land slopes S.

Resurvey of West Bdy. of

40.00 Old cor. obliterated, and no trace of it remaining I re-establish this cor. by setting a stone $15 \times 12 \times 10$ ^{the} 10 ins. in the ground for $\frac{1}{4}$ sec. Cor. mtd. $\frac{1}{4}$ on W. face. Dig 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.

79.65 Original Cor. a stone about 6×4 ^{ins} above ground, mtd. with 3 notches on N. & S. edges, a small mound of earth and 4 pits about $\frac{2}{3}$ filled I adopt this as the true cor. to Secs. 13, 18, 19, 24, as it is nearly correct in alignment and distance. On east side

J. J. H., R., & E.

of Prescott road in thick brush.
 Land nearly level
 Soil 2nd rate, sandy loam.
 No timber.

North bet. Secs. 13 & 18

Va. $13^{\circ}40'E$.

Over ascending land

- 13.00 foot of low rocky spur bears N.
 19.00 Top of same, about 100 ft high.
 ends N. about 6 chs. Descend.
 24.00 foot of same ridge, to mesa.
 40.04 A stone 4 lbs N. of my line
 about 8×6 ins - mtd. $\frac{1}{4}$ on N.
 face with low mound and
 two pits about $\frac{2}{3}$ filled. As
 this cor. is well defined and
 almost exact in alignment

Resurvey of West Body of
and distance I accept it as
the true $\frac{1}{4}$ Sec. Cor. & renew
pits and mound. From this
 $\frac{1}{4}$ sec. Cor. I run to

Point for the Sec. Cor. I
could not find any trace of it,
the ground being loose & sandy.
I re-establish this cor. by
setting a stone $12 \times 9 \times 6$ ^{ins}
^{pins} in the ground for cor. to
Secs. 7, 12, 13, 18, marked with
4 notches on S. and 2
notches on N. 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 alongside.

Land generally level
Soil 2nd rate, sandy loam.

J. 3 N. R. 3 E.

No timber.

North bet. Secs. 7 & 12

va. $13^{\circ}40'8''$.

Over level land

31.00 Point of Mountain, bears W.
from high mt. on east.

40.00 ^{enter} Dense brush. Sought diligently
for original cor. but could not
find any trace of it. I re-es-
-tablish this cor. by setting a
stone $12 \times 10 \times 8$ ins ins in the
ground for $\frac{1}{4}$ Sec. cor. Mk'd.
 $\frac{1}{2}$ on W. face. Dig pits $18 \times 18 \times 12$ ⁱⁿ
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.

48.10 a wash 20 lks. wide, course $S. 60^{\circ} W.$

Resurvey of West Boundary

- 53.00 A wash, 50 lks wide, course S.W.
- 62.90 A wash, 120 lks. wide, course S.W
- 75.00 Left bank of lower creek wash,
course S. 60° W.
- 77.75 Right bank of same wash
- 80.00 Point for cor. could not find
any trace of it after diligent
search. I re-establish this
cor. by setting a stone 18" x
12" x 8" ins 12 ins in the ground
for cor. to Secs. 1, 6, 7, 12, mkd.
with 5" notches on S. and 1
notch on N. edges. Dig 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
alongside.

Land level

Soil 2nd rate - sandy

J. 3 N. R. 3 E.

No timber.

Dense undergrowth 40.00 chs.

North betw Secs. 1 & 6,

Ta. $13^{\circ}40'E$.

Over level land

5.00 Leave dense brush

7.30 Wash, course S. W.

40.00 Point for $\frac{1}{4}$ Sec. Cor. sought
diligently but could not find
trace of it. in loose sandy soil.

I re-establish this cor. by
setting a stone $12 \times 10 \times 8$ ins ins
in the ground for $\frac{1}{4}$ Sec. Cor.
Mkd. $\frac{1}{2}$ on W. face, Sug 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

Resurvey of West Boundary alongside.

8200

Point-for Cor. I sought long and diligently for original cor. described in field notes furnished me by Surveyor General as "a post in mound of stones," but could find no trace of any mound of stones nor any loose stones scattered around, the land being a loose sandy loam destitute of stones, the nearest being about 2 miles dist. all those set by me being hauled in my wagon. We examined the ground carefully for a distance of 12 to 15 Chains on all sides, and no such mound of stones could have been overlooked by one or

of T. 3 N. R. 3 E.

my party. I reestablish this cor. by setting a stone $18 \times 12 \times 9$ ins 12 ins in the ground for cor. to Tps. 3 & 4 N. R's 2 & 3 E. Mk'd. with 6 notches on N. S. E. & W. edges. Dug pits $24 \times 18 \times 12$ ins lengthwise on each line N. S. E. & W. of stone 6 ft dist. and raised a mound of earth $2\frac{1}{2}$ ft high 5 ft base alongside.

Land level

Soil 2nd rate, sandy loam

No timber.

Dense undergrowth 5:00 Chs.

Dec. 26, 1893.

Resurvey of W. Md., T. 3 N., R. 3 E.

General Description

The West Md. line is brushy
the whole distance except
the two miles running N.
from S. W. Cor. of Tp. The
land on the east should
be subdivided, that on the
west has been subdivided.

Resurvey South Boundary of

Jan. 26. 1894

Before commencing this
 Survey, I took another obser-
 -vation on Polaris at its
 Western elongation, at 10^h
 49' P. M. and on the line so
 found drive a picket at 4
 Chs. distance

At 6.30 A. M. Jan. 27th I
 find the magnetic bearing
 of the line established last
 night to be N. 15° 11' W., and
 Subtracting the Azimuths of
 Polaris at elongation - 1° 31' -
 I find the difference - 13° 40'
 is the variation of the needle
 at my camp near S. E. Cor.
 of Sp. 4 N. R. 2 E.

T. 4 N., R. 2 E.,

Survey commenced
March 3^o 1894From the re-established cor.
to Tps. 3 & 4 N., R. 2 & 3 E.

I run West on random line
with $\text{va. } 13^{\circ} 40' \text{ E.}$ Setting
temporary corners at each 40
and 80 Chs., and at 5 miles
75.79 Chs. I intersect the W.
boundary of the township 7.77
Chs. N. of the re-established cor.
to Tps. 3 & 4 N., R. 2 East.

As this line is run to con-
-nect Township corners estab-
-lished several years ago, and
as the closing distance north
-7.77 Chs - exceeds 3.00 limit
prescribed in the "Manual of
instructions", I am compelled

Resurvey South Boundary of

to run an Auxiliary Base line north of this boundary, and I therefore calculate a return course from the cor. to Sp. 3 & 4 N. R. 1 & 2 E.

The falling being 7.77 Chs. the falling per mile will be $1.29\frac{1}{2}$ Chs. per mile, and the course will be $N. 89^{\circ} 05' E.$ And

From the cor. to Sp. 3 & 4 N. R. 1 & 2 E. I run

$N. 89^{\circ} 05' E.$ on a true line

bet. Secs. 6 & 31

Year $73^{\circ} 40' East$

Over level land

2.63 A Cor. set by Arizona Canal
bet. 6, 82 Chs. N. of line.

35.79 Set a stone $15 \times 11 \times 9$ ins 10 ins
in the ground for $\frac{1}{4}$ Sec. Cor.
Mkd. $\frac{1}{4}$ on N. face, dug pits

J. H. R. 2 E.

18x18x12^{ins} E. & W. 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.

75:79

Set a Stone 13x12x7^{ins} 8^{ins} in the ground for ev. to Secs. 5, 6, 31, 32, Mk'd. with 1 notch on W. and 5 notches on E. edges. Dug pits 18x18x12^{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 alongside.

Land level and brushy
Soil 1st rate

No timber, brush whole distance

N. 29° 5' E. on true line

bet. Secs. 5 and 32

N. 13° 40' E.

38

Resurvey South Boundary

Over level land

4000 Set a stone $11 \times 10 \times 8$ ins $\frac{1}{4}$ in
 in the ground for $\frac{1}{4}$ sec. cor.
 Mkd. $\frac{1}{4}$ on N. face, dug pits
 $18 \times 18 \times 12$ ins. E. & W. 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.

8000 Set a stone $15 \times 12 \times 7$ ins 10 ins
 in the ground for cor. to sec.
 4.5.32.33, mkd. 2 notches on W.
 and 4 notches on E. 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 alongside.

Large curb
 Soil 1st rate

No timber

Brush whole distance

J. H. R. 2 Co.

N. $89^{\circ}5'8''$, on true line
bet. Secs. 4 & 33

N. $13^{\circ}40'8''$.

Over level land

4000 Set a stone $16 \times 12 \times 8$ ^{ins} $- 11$ ^{ins}
in the ground for $\frac{1}{4}$ Sec. Cor.
mkd. $\frac{1}{4}$ on N. face, dug pits
 $18 \times 18 \times 12$ ^{ins} E. & W. of stone $3\frac{1}{2}$ ft
dist. and raised a mound of
earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base
alongside.

8000 Set a stone $14 \times 10 \times 6$ ^{ins} $- 10$ ^{ins}
in the ground for cor. to Secs. 3
4, 33, 34, mkd. with 3 notches on
E. & W. 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 alongside.
Land level & brushy.

40 Resurvey South Boundary of

Soil 1st rate

No timber, Brush whole
distance.

N. $89^{\circ} 5' E$. on a true line
bet. Secs. 3 & 34

(Va. $13^{\circ} 40' 8$.)

Over level land

40.00 Set a stone $11 \times 10 \times 9$ ins 7 ins
in the ground for $\frac{1}{4}$ Sec. Cor.
Inkd. $\frac{1}{4}$ on N. face, dug pits
 $18 \times 18 \times 12$ ins E. & W. 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.

80.00 Set a stone $13 \times 9 \times 9$ ins 8 ins
in the ground for Cor. to Secs.
2, 3, 34, 35, Inkd. with 4

T. 14 N. R. 2 E.

41

notches on W. and 2 notches on
E. edges. Dig 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 along side.

Land level and brushy
Soil 1st rate

No timber, Brush whole
distance

N. $89^{\circ} 5' E.$ on a true line
bet. Secs. 2 and 35

Var. $13^{\circ} 40' E.$

Over level land

40.00

Set a Stone $15 \times 12 \times 4$ ins 10 ins
in the ground for $\frac{1}{4}$ Sec. Cor.
Marked $\frac{1}{4}$ on N. face, dig pits
 $18 \times 18 \times 12$ ins, E. & W. of Stone
 $5\frac{1}{2}$ ft dist. and raised a

42

Resurvey South Boundary of

ground of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft base alongside

80200

Set a stone $17 \times 10 \times 8$ ins 12 ins
 in the ground for cor. to Secs.
 1, 2, 35, 36, Inkd. 5 notches on
 W. and 1 notch on E. edges,

dig pits $18 \times 18 \times 12$ 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 alongside.

Land level and brushy
 Soil 1st rate

No timber. Brush whole dist.

N. $89^{\circ} 5' E$. on a true line
 bet. Secs. 1 & 36

N. $13^{\circ} 40' E$.

Corr level land

T. 4 N. R. 2 E.

- 4000 Set a stone $15 \times 11 \times 6$ ins 10 ins in
the ground for $\frac{1}{4}$ Sec. Cor.
Inted. $\frac{1}{4}$ on N. face, dug pits
 $18 \times 18 \times 12$ ins E. & W. 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.
- 4130 Road from Phoenix to Prescott
bears N. 10° W.
- 8000 The Cor. to Sps. 3 & 4 N. R. 2
2 & 3 E.
Land level and sandy
Soil 1st rate, sandy loam
No timber, brush whole dist.
March 3^d 1894

Resurvey South Pole.

Latitudes, Departures and Closing Errors.

Lines designated as	True Bearing	Distances	Latitudes		Departures	
			N	S.	E.	W.
N. Boundary	North	478.53	478.53			
N. Boundary	East	475.54			475.54	
S. Boundary	South	471.50		471.50		
S. Boundary	S. 89° 5' W.	475.79		7.61		475.79
Emergency		48			48	
			478.53	479.11	476.02	475.79
				478.53	475.79	
			Error = 0.58		Error = 0.23	

of J. 4 N. R. 2 E. ⁴⁵

General Description

This township is entirely covered with thick brush, growing from 3 to 15 ft. high, consisting of Mesquite, palo verde, and an evergreen chaparral.

The soil, between the low mountains scattered through the township, is excellent and well adapted to all kinds of crops and fruit grown in a temperate and sub-tropical climate. No indications of the precious metals. The general elevation of the plain is 1950 to 2000 ft. above sea level as

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Shown by a first class
Aneroïd barometer.

James H. Martineau
U. S. Deputy Surveyor

U. S. Surveyor-General's Office,

TUCSON, A. T., Jan 28 1895.

The foregoing Field Notes of the ^{Re} Surveys of
 Exterior of S by T. H. N. R. 1. E.
 West Boundary T. 3 N. R. 3. E.
 South " " T. 4 N. R. 2. E.
 of the Gila and Salt River Meridian
 in - Arizona - executed by
 James H. Martineau
 U. S. Deputy Surveyor, under his contract dated
 January 21st 1893.
 having been critically examined, the necessary correc-
 tions and explanations made, the said Field Notes and
 the surveys they describe are hereby approved.

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