

BOOK 98

No. 98 14 1

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

—OF—

Township *11 N.* Range *27 E.*

Gila and Salt River Base and Meridian

ARIZONA.

By *A. P. Johnson* D. S.

under contract dated *June 8* 1882.

Survey commenced *Oct 17* 1882.

Survey completed *Oct 24* 1882.

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No. 98

No-98

1+

Subdivision Sills
T 11 N. R 27 E.

BOOK 98

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Township 11 N.

Range 27 E.

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Gila and Salt River, Arizona.

ARIZONA.

No 98

Subdivisions T. 11 N. R. 27 E. Gila
& Salt River Meridian

Survey commenced Oct.
17. 1882. with a Burt
Patent Improved Solar
Compass. nearly new, and
in first rate order, Made
by Otto Pennel of Basel
Germany in 1881.

Before commencing to subdivide
this Sp. I made a change of
5 minutes in the latitude
arc of my solar compass,
by adding same to the
reading previously given,
and at noon verified and
corrected same by observation
on the sun I also further
tested instrument by reversing.

Subdivisions T. 11 N. R. 27 E. cont.

chains

Commence at the corner to
Secs. 1. 2. 35 & 36. on South
Boundary of Township, which
is a limestone set
firmly in the ground,
properly notched, with pits
and earth mound, est-
ablished as per instrum-
ents of the old Manual

Thence 9 m North bet. Secs.
35 & 36.

Cor. $13^{\circ} 15' 8''$

Land nearly level

40.00

Set a Lava stone $19 \times 12 \times 6$
ins. 14 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked
with $\frac{1}{4}$ on N. face, &

Subdivision N. 11 N. R. 27 E. cont.

chains

raised a mound of stone
alongside, Pits impracticable.

8000 Set a B salt stone 20+1524
ins. 15 ins. in the ground, for
cor. to Secs. 25, 26, 35 & 36. marked
with 1 notch on E & S. edges, and
raised a mound of stone
alongside, Pits impracticable
Sand level.
Soil gravelly
Good grass.

East on a random line bet.
Secs. 25 & 36.

Cor. $13^{\circ} 18' E$.

Level

4000 Set temporary $1/4$ sec. cor.

Subdivisions T. 11 N. R. 27 E. cont.

chains

79.90 Intersect E. By of Sp. 21
 lks N. of cor. to Secs. 25, 30, 31 & 36.
 which is a volcanic stone
 properly notched, with
 pits and earth mound,
 stone set firmly
 in the ground,

Thence I run N. 89° 51' W. on
 a true line bet. Secs. 25 & 36.
 with same va.

39.95 Set a Basalt stone 19 x 11 x 6 in.
 14 ins. in the ground for 1/4
 sec. Cor. marked 1/4 on N. face
 dug pit 18 x 18 x 12 ins. E. W.
 of stone 5 1/2 ft. dist. and
 raised a mound of earth

Subdivision N. 11 N. R 27 E cont.

chains

1 1/2 ft. high 3 1/2 ft. base alongside.

79.90 The corner to Secs. 25, 26, 35 & 36

Land level

Soil gravelly.

Good grazing.

North on a random line bet.
Secs. 25 & 26.

Var. 130° 18' E'

Level

40.00 Set a Basalt stone 23 x 10 x 4
in. 18 ins. in the ground for
1/4 sec. cor. marked 1/4 on N.
face and raised a mound
of stone alongside. Pit impracticable.

77.80 Foot of ridge from Ex N. and

Subdivision S. 11 N. R. 27 E. cont

chains

a second.

80.00 Set a Basalt stone $24 \times 16 \times 10$
 ins. 18 ins. in the ground for
 cor. to Secs. 23, 24, 25 & 26.
 marked with 1 notch on E.
 and 2 notches on S. edges, and
 raised a mound of stone
 alongside. Pits impracticable.
 Soil gravelly
 land level except last 7
 chains. rocky.
 Good grass.

East on a random line
 bet. Secs. 24 & 25.

Var. $12^{\circ} 16' E.$

40.00 Set temporary $1/4$ sec. cor.

Subdivision D. H. R. 27 C. cont.

chains

79.89 Intersect E. Ry of Tp. 18 lks
N of cor. to Secs. 19, 24, 25 & 30,
which is a limestone
set firmly in the ground
properly notched, with
stone mound on
N. side.

Thence Iron N. 89° 52' W,
on a true line bet. Secs. 24 & 25
with same va.

39.94 Set a Basalt stone 22 x 10 x 4
ins. 16 ins. in the ground for
1/4 sec. cor. marked 1/4 on N.
face, and raised a mound
of stone alongside Pith trapezoid-
icall.

79.89 The corner to Secs. 23, 24, 25 & 26.

Subdivision T. 11 N. R. 27 E. cont.

chain

Land slightly rolling & rocky
Soil 3^d rate
Good grass.

North bet. Secs. 23 & 24

Var. $13^{\circ} 16' E.$

Ascend gradually

40.00 Set at Baselt stone $21 \times 13 \times 6$
ins. 16 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N. face and raised a mound
of stone alongside, Pits
impracticable

80.00 Set at Baselt stone $16 \times 10 \times 4$
ins. 11 ins. in the ground for
cor. to Secs. 13. 14. 23 & 24
marked with a notch on E.

Subdivisions S. 11 N. R. 27 E. cont.

chain

and 3 notches on S. 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 rocky

Soil 3^d rate

Good Grass.

East on a random line bet.
Secs. 13 + 24.

Var. 13° 51' E!

Ascend gradually.

16.00 Top of low spur 10 ft high,
course N + S. descend gradually.

40.00 Set temporary 1/4 sec. cor.

79.64 Intersect E. By of Sp. 37 lks

Subdivisions S. 11 N. R. 27 E. cont.

chains

N. of corner to Secs. 13, 18, 19 & 24
which is a Limestone
set firmly in the ground
properly marked, with
mound of stone on N. side

Thence run N. $89^{\circ}46' W.$
on a true line bet. Secs. 13 & 24
with same ca.

39.82 Set a Sandstone $14 \times 10 \times 6$ ins.
10 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on NE
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 along side.

Subdivisions N. 11 N. R. 24 E. cont.

chain
79.64 The corner to Secs. 13, 14, 23 & 24
Land rocky
Soil 3^d rate
Good grass.

North bet. Secs. 13 & 14.

Var. $13^{\circ} 51' E.$

Ascend

31.60 Top of ridge 100 ft high to N 87° W.
Enter Plateau

40.00 Set a Basalt stone $20 \times 9 \times 6$ ins.

15 ins. in the ground for $\frac{1}{4}$ sec.

Cor. marked $\frac{1}{4}$ on W. face and
raised a mound of stone
along side, Pit imperceptible.

80.00 Set a Basalt stone $24 \times 14 \times 9$
ins. 18 ins. in the ground for

Subdivisions S. 11 N. R. 27 E. cont

chains

Cor. of Secs. 11, 12, 13 & 14.
 marked with 1 notch on E.
 and 4 notches on S. edges.
 dug pits 18 x 18 in. in
 each sec. 5/8 ft. dist. and
 raised a mound of earth
 2 ft. high 4 1/2 ft. base along-
 side

Land Rolling

Good grass

Soil 3^d rate.

East on a random line
 bet Secs. 12 & 13.

Var. 13° 10' E.

Level

40.00 Set temporary 1/4 sec Cor.

41.50 Pipe Bluff 3 ft. high. br N. 36° E. descend abruptly

Subdivisions T. 11 N. R. 27 E. cont.

chains

80.30

Intersect E. Bay of Sp. 19 lbs
N. of cor. to Secs. 7. 12. 13 & 18.
which is a Limestone
set firmly in the ground
properly marked, with
pits and mound of
earth alongside.

Thence Iron N. 89° 52' W.
on a true line bet. Secs. 12 & 13.
with same cor.

40.15

Set a sandstone 19 x 8 x 3 ins.
14 ins. in the ground for 1/4
sec. cor. marked 1/4 on N face
dug pits 18 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. base alongside

Subdivision T. 11 N. R. 27 E. contin

chains
80.30 The corner to Secs. 11, 12, 13 & 14
Land Rolling
Good grass
Soil 3^d rate.

North bet. Secs. 11 & 12.
Var. $13^{\circ} 10' E.$

Level

40.00 Set a sandstone $17 \times 8 \times 3$ ins.

12 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N.
face, dug pits $18 \times 18 \times 12$ ins.
W.S. of stone $5 \frac{1}{2}$ ft. dist.
and raised a mound of
earth $1 \frac{1}{2}$ ft high $3 \frac{1}{2}$ ft base
along side.

80.00 Set a sandstone $16 \times 10 \times 4$ ins.

Subdivisions T. 11 N. R. 27 E. cont.

Chains

11 ins. in the ground for cor.
to Secs. 12, 11 & 12, marked
with 1 notch on E & 5 notches
on S. edges, Aug pits 18 & 12
ins. in each sec. 5 1/2 ft. dist.
and raised a mound of earth
2 ft high 4 1/2 ft. base along side
Land rolling.

Soil 2d rate

Good grazing.

Oct. 17. 1882.

East on a random line bet.
Secs. 1 & 12.

Var. 14° 11' E.

Level

4000 Set temporary c. 1/4 sec. cor.

Subdivisions T. 11 N. R. 27 E. cont.

chains

Begin to Descend

80.31 Intersect E. By of Sp.

19 lbs N of cor. to Secs. 1, 6, 7 & 12.

which is a Sandstone.

Properly marked,
set firmly in the
ground, with stone
mound alongside.Thence run N. $89^{\circ} 52' W$.

on a true line bet. Secs.

1 & 12, with same va.

40.15 Set a Sandstone $18 \times 9 \times 3$ ins.12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N face,dug pits $18 \times 18 \times 12$ ins. E & Wof stone $5 \frac{1}{2}$ ft. dist. and

raised a mound of earth

Subdivisions T. 11 N. R. 27 E. cont.

chains

80.31 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base alongside
 The corner to Secs. 1, 2, 11 & 12.
 Land rolling.
 Good grazing.
 Soil 2^d rate.

North on a random line
 bet. Secs. 1 & 2.

Var. $140^{\circ} 11' E.$

Level land

4000 Set temporary $\frac{1}{4}$ sec cor.
 79.60 Intersect N. By of Sp. 17 lks
 E. of cor. to Secs. 1, 2, 35 & 36.
 which is an earth
 mound 8 ft high with
 pits, $18 \times 18 \times 12$ ins. in each
 sec. $5\frac{1}{2}$ ft. dist. In S. E.

Subdivisions N 11 R. 27 E. cont.

chains

pit, is a stake 2 ins. sq. marked
 T. 12 N. S. 36 on N. E. R 27 E. S. 1 on S. E.
 T. 11 N. S. 2 on S. W. and S. 35 on N. W. faces.
 with 1 notch on E x 5 notches on W. edges.
 fence 8 m S 8' E. on a
 true line bet. Secs. 1 & 2
 with same on.

39.60 Set a Post 4 ft long, 4 ins.
 sq. 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 $5\frac{1}{2}$ ft.
 dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base around post.

79.60 The corner to Secs. 1, 2, 11 & 12.
 Land rolling
 Good grazing.

Subdivisions T. 11 N. R. 27 E. cont.

chain Soil 2^d rate.

From the corner to Secs.
2, 3, 34 & 35. on S. By of
Sp. which is a limestone
properly notched with
pits and mounds of
earth, and set firmly
in the ground.

Place 3 mm North bet.
Secs. 34 & 35.

Cor. $13^{\circ}12' E.$

Level

4000 Set at Basalt stone $18 \times 12 \times 4$

Subdivisions S. 11 N. R 27 E. cont

chains

12 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
 on N. face, dug pits $18 \times 18 \times 12$
 ins. N. S. left one $3 \frac{1}{2}$ ft. dist.
 and raised a mound of
 earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft. base
 alongside.

45. 13 Road cor. S. 44° E.

80.00 Set a L'aoa stone $23 \times 10 \times 7$
 ins. 18 ins. in the ground
 for cor. to Secs. 26. 27. 34 & 35.
 marked with notches on
 E & 1 notch on S. edge,
 and raised a mound of
 stone alongside. Pits impracticable.
 Land Rolling
 Gravelly Soil
 Good grazing.

Subdivision S. 11 N. R. 27 E. cont.

chains

East on a random line,
bet. Secs. 26 & 35.

Cor. $13^{\circ} 20' E.$

slightly rolling.

40.00 Set temporary $\frac{1}{4}$ sec cor.

80.31 Intersect V.S. line 2.8 lbs

N. of cor. to Secs. 25, 26, 35 & 36.

from which corner Iron
N. $89^{\circ} 48' W.$ on a true line

bet. Secs. 26 & 35. with saw or.

40.15 Set a Lava stone $17 \times 8 \times 3$ ins.

12 ins. in the ground for $\frac{1}{4}$
sec cor. marked $\frac{1}{4}$ on N.

face, and raised a mound
of stone alongside. Pits
impracticable.

80.31 The corner to Secs. 26, 27, 34 & 35.
Land rolling.

Subdivisions S. 11 N. R. 27 E. cont

chains

gravelly Soil
 Good grazing.

North bet. Secs. 26 & 27

Var. 13° 25' E!

4000 Set a Basalt stone 24x10x12
 ins. 18 ins. in the ground,
 for 1/4 sec. cor. Marked
 1/4 on N. face, dug pits 18x18x12
 ins. N.W. of cor. 5 1/2 ft. dist
 and raised a mound of
 earth 1 1/2 ft. high 3 1/2 ft. base
 alongside

8000 Set a Basalt stone 21x10x7
 ins. 16 ins. in the ground
 for cor. to Secs. 22, 23, 26 & 27.
 marked with 2 notches on

Subdivisions N. 11 N. R. 27 E. cont.

Chairs

Ex S. edges, dug pits 18x18x12
 ins. in each sec. 5 1/2 ft. dist.
 and raised a mound of
 earth 2 ft high 4 1/2 ft. base
 alongside.

Land rolling Hills

Soil 2^d rate

Good grass.

East on a random line
 bet. Secs. 23 & 26.

Var. 130° 7' E

4000 Set temporary 1/4 sec cor.

80.16 Intersect N & S line 36 lks

S. of cor. @ Secs. 23. 24. 25 & 26
 from which corner I run
 S. 89° 45' W. on a true line

Subdivisions N. 11 W. R. 27 E. cont.

chains

- bet. Secs. 23 & 26. with same or.
 4008 Set a Basalt stone 18x10x7
 ins. 12 ins. in the ground
 for $\frac{1}{4}$ sec. cor. Marked
 $\frac{1}{4}$ on N face, dug pits 18x18
 x12 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 along side.
- 8016 The corner to Secs. 22, 23, 26 & 27.
 Land rolling hills
 Good grazing
 Soil 2d rate.

North bet. Secs. 22 & 23.

Cor. 1307' E.

4000 Set a Basalt stone 18x12x6

Subdivision N. 11 N. R. 27 E. cont.

chains

ins. 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
W. face, and raised a
mound of stone alongside
Pits impracticable

80.00 Set a Basalt stone 20x10x6
ins. 15 ins. in the ground
for cor. to Secs. 14, 15, 22 & 23,
marked with 2 notches on
E & S notches on S. edges,
and raised a mound
of stone alongside Pits
impracticable.

Land rolling hills
Good grazing.
Soil 2d. rate

Subdivisions T. 11 N. R. 27 E. cont.

Chains

East on a random line
bet. Secs. 14 & 23.Var. $13^{\circ} 15' E$.40.00 Set temporary $\frac{1}{4}$ sec cor80.56 Intersect N.S. line 39 lbs
S. of cor. to Secs. 13, 14, 23 & 24
from which corner I run
S. $89^{\circ} 43' W$. on a true line
bet. Secs. 14 & 23. with same va.40.28 Set a Basalt stone 21. x 9 x 7 lbs.
15 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on
N face, and raised a mound
of stone alongside Pits
impracticable.80.56 The corner to Secs. 14, 15, 22 & 23.
Land rolling.
Soil 2d. rate

Subdivisions N.H.R. 27 E. cont.

chains

Good grazing.

North bet. Secs. 14 & 15,

Var. $13^{\circ} 15' E$

Plateau

4000 Set a Basalt stone $18 \times 10 \times 9$ ins.
 12 ins. in the ground, for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on
 N face, dug pits $18 \times 18 \times 12$
 ins. N.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 along side

8000 Set a Basalt stone $24 \times 15 \times 10$
 ins. 18 ins. in the ground
 for cor. to Secs. 10, 11, & 14, & 15,
 marked with notches on

Subdivision S. 11 N. R. 27 E. cont.

Chains

E. and 4 notches on S. edges.
 and raised a mound of etan
 along side, Pits impracticable
 Land level grazing good.
 Soil gravelly & 3^d rate
 Oct. 18. 1882.

East on a random line,
 bet. Secs. 11 & 14.

Var. 130 12' E.

Land nearly level

40.00 Set temporary $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. S. line 21 lbs
 S of cor. to Secs. 11, 12, 13 & 14
 from which corner I run
 S. 89° 57' 41". on a true line
 bet. Secs. 11 & 14. with same va.

Subdivision S. 11 N. R 27 E. cont.

Chairs

39.95 Set a Basalt stone $17 \times 8 \times 6$
 ins. 12 ins. in the ground
 for $\frac{1}{4}$ sec. cor marked $\frac{1}{4}$
 on N. face, dug pits $18 \times 18 \times 12$
 ins. E. N. of stone $5 \frac{1}{2}$ ft. dist.
 and raised a mound of
 earth $\frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft. base
 alongside

79.90 The corner to Secs. 10. 11. 14. 15.
 Land rolling
 Soil 3^d rate
 Good grazing.

North bet. Secs. 10 & 11

Tas. $130^{\circ} 12' E!$

Ascend

40.00 Set a Basalt stone $21 \times 11 \times 7$

Subdivisions S. 11 N. R 27 E. cont

chains

ins. 15 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on W face, dug pit 18x18x2
ins. N. 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
along side,

8000 Set a Basalt stone 17x9x6
ins. 12 ins. in the ground
for cor. to Secs. 2, 3, 10x11,
marked with 2 notches on
E & 5 notches on S. edges.
and raised a mound of
stone along side, Pits
impracticable.

Land rolling hills.

Soil 2d rate
Good grass

Subdivisions P. 11 N. R. 24 E. cont.

chains

East on a random line
bet. Secs. 2 & 11

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

Over slightly rolling land

40.00 Set temporary $\frac{1}{4}$ sec cor.

80.30 Intersect N & S. line 20 lbs

N of cor. to Secs. 1, 2, 11 & 12

from which corner I run

N $89^{\circ}48' W.$ on a true line,

bet. Secs. 2 & 11. with same

va.

40.15 Set a Sandstone $19 \times 10 \times 4$ ins.

12 ins. in the ground for $\frac{1}{4}$

sec. cor. marked $\frac{1}{4}$ on N.

face, dug pits $18 \times 18 \times 12$ ins

E & W. of stone, 5 ft. dist.

and raised a mound of earth

$\frac{1}{2}$ ft. high. $3 \frac{1}{2}$ ft. base along side.

Subdivisions N. 11 W. R. 27 E. cont.

chains

80.30

The cor. to Secs. 2, 3, 10 & 11.
 Land rolling
 Good grass.
 Soil 2^d rate

North on a random line
 bet. Secs. 2 & 3.

Cor. $13^{\circ} 40' E!$

Ascend

23.46

Road course N. $55^{\circ} E!$

40.00

Set temporary $\frac{1}{4}$ sec. cor.

79.83

Intersect N. By of Sp. 37 lbs
 E. of cor. to Secs. 2, 3, 34 & 35,
 which is a limestone
 set firmly in the ground,
 properly notched

Subdivision T. 11 N. R. 27 E. cont.

Chains

with pits and mound
of earth on E. side.

Thence I run S. 16° E. on
a true line bet. Secs. 2 & 3.
with same ca.

39.83 Set a Basalt stone 24 x 11 x 6
ins. 18 ins. in the ground, for
1/4 sec. cor. marked 1/4 on W.
face, dug pits 18 x 18 x 18 ins.
W. S. of stone 5 1/2 ft. dist.
and raised a mound of earth
1 1/2 ft. high 3 1/2 ft. base along
side

79.83 The corner of Secs. 2, 3, 10 & 11.
Land rolling.
Soil 3d rate
Good grazing.

Subdivision D. H. A. R 27 Cont.

Chains

From the corner to Secs. 3 & 4.
 33 & 34 on S. By of Tp.
 which is a Limestone
 set firmly in the
 ground, properly
 notched, with pits
 and mound of earth
 on E. side.

Hence I run North bet
 Secs. 33 & 34.

Cor. $11^{\circ} 30' E$.

Ascending.

40.00 Set a Basalt stone $17 \times 10 \times 3$
 ins. 12 ins. in the ground
 for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$
 on W. face dug pits $18 \times 18 \times 12$
 ins. W. of stone $5 \frac{1}{2}$ ft dist.

Subdivision S. 11 N. R. 27 E. cont.

chains

and raised a mound of earth
 1 1/2 ft high 3 1/2 ft. base alongside
 80.00 Set a sandstone 19 x 10 x 3 ins.
 13 ins. in the ground, for Cor.
 to Secs. 27, 28, 33 & 34, marked
 with 3 notches on E & 1 notch
 on S. 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
 alongside.
 Land level & gravelly
 Soil 2^d rate
 Good grazing.

East on a random line
 bet. Secs. 27 & 34.

Subdivisions T. 11 N. R. 27 E. cont.

chains

Var. $12^{\circ} 16' E!$ 3.43 Road br S. $46^{\circ} E!$ \perp N 46 W.40.00 Set temporary $\frac{1}{4}$ sec cor.80.23 Intersect N. & S line 43 lbs
N of cor to Secs. 26. 27. 34 & 35.from which corner I run
N. $89^{\circ} 41' W.$ on a true line,
bet. Secs. 27 & 34, with same va.40.12 Set a Basalt stone $18 \times 12 \times 4$
in. 12 in. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N face, and raised a mound
of stone along side, Pits imp-80.23 The cor. to Secs. 27, 28, 33 & 34
Land level & rocky
soil 3^d rate & gravelly
Good grass.

Subdivisions T. 11 N. R. 27 E. cont.

chain

North bet. Secs. 27 + 28
 Var. $12^{\circ} 16' E.$

Level land

2,35 Road brs h. $35^{\circ} W.$ and $S. 35^{\circ} E.$

40.00 Set a Basalt stone $17 \times 8 \times 3$
 ins. 12 ins. in the ground for
 $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on
 W. face, dug pits $18 \times 18 \times 12$
 ins. N. & S. of stone $5 \frac{1}{2}$ ft. dist.
 and raised a mound of
 earth $\frac{1}{4}$ ft. high $3 \frac{1}{2}$ ft. base
 alongside.

80.00 Set a Basalt stone $21 \times 13 \times 7$
 ins. 15 ins. in the ground
 for cor. to Secs. 21. 22. 27 + 28.
 marked with 3 notches on
 E + 2 notches on S. edge, and
 raised a mound of stone

Subdivisions S. 11 N. R. 27 E. cont.

Chains

alongside, Pits impracticable
 Land level
 Soil 3^d rate & gravelly
 Good grass.

East on a random line bet.
 Secs. 22 & 27.

Var. $13^{\circ} 00' E!$

Ascend gradually

40.00 Set temporary $\frac{1}{4}$ sec. cor.

Descend gradually

80.27 Intersect N.S. line 28 lbs

S. of cor. to Secs. 22, 23, 26 & 27

from which corner I run

S $89^{\circ} 48' W.$ on a true line
 bet. Secs. 22 & 27. with same or.

40.13 Set a Basalt stone 21 x 7 x 6 ins.

Subdivisions N. 11 W. R. 27 E. cont.

chains

15 ins in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face, and
 raised a mound of stone along
 side. Pits impracticable

80.27 The corner to Secs. 21, 22, 27 & 28
 Land rolling hills.
 Good grazing
 Soil 2d rate.

North bet. Secs. 21 & 22

Var. 130° E'

Ascend

40.00 S't Basalt stone 18 & 14 & 9
 ins. 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N.
 face, and raised a mound
 of stone alongside, Pits

Subdivisions N. 11 N. R. 27 E. cont.

Chains

impracticable.

80.00 Set apart 4 ft. long, 4 ins. sq.
with marked stone 12 ins. in
the ground for Cor. W. Sec.
15, 16, 21 & 22, marked
N. 11 N. S. 15 on N. E.
R. 27 E. S. 22 on S. E.
S. 23 on S. W. and
S. 16 on N. W. faces, with
3 notches on E. S. edge,
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 rolling Hills
Soil 2^d rate
Good grazing.

Subdivisions N. 11 R. R 27 E. cont.

Chains

East on a random line bet.
Secs. 15 & 22.

Var. $13^{\circ} 26' E.$

Plateau

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 79.63 Intersect N. S. line 18 lbs S.
 of cor. to Secs. 14, 15, 22 & 23,
 from which corner I run
 S. $89^{\circ} 52' W.$ on a true line
 bet. Secs. 15 & 22, with same va.
 39.81 Set a Basalt stone 20 x 10 x 6
 ins. 15. ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
 N face, dug pits 18 x 18 x 12
 ins. in each sec. $5\frac{1}{2}$ ft. dist.
 and raised a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside

Subdivision S. 11 N. R. 27 E. cont.

Oasis

79.69

The corner to Secs. 15, 16,
21 & 22.

Land level

Soil 2^d rate some
gravelly.

Good grazing.

I carefully examined the
adjustment of my solar
compass to day, particularly
the latitude and reversing
apparatus and found them
correct.

Oct. 19, 1882.

North bet. Secs. 15 & 16.

Var. $13^{\circ} 26' E!$

Desced

Subdivision N. 11 N. R. 27 E. cont.

Chains

4000

Set a Basalt stone $16 \times 8 \times 6$ ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N face dug pits $18 \times 18 \times 12$ ins. $\frac{1}{2}$ in. of stone $5 \frac{1}{2}$ ft. dist. and raised a mound of earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft. base along side.

8000 Set a Post 4 ft. long 4 in. sq. with marked stone 12 ins. in the ground for cor. to Secs.

9, 10, 15 & 16. marked.

N. 11 N. S. 10 on N. E.

R. 27 E. S. 15 on S. E.

S. 16 on S. W. and

S. 9 on N. W. faces, with 3 notches on E & 4 notches on S. edges, dug pits $18 \times 18 \times 12$

Subdivisions N. 11 N. R 27 E. cont

chains

in each sec 5 1/2 ft. dists
and raised a mound of
earth 2 ft high 4 1/2 ft. base
around post.

Land rolling

Soil 2^d rate

Good grazing.

East on a random line
bet. Secs. 10 & 15.

Var. 12° 33' E!

Descending very gradually

40.00 Set temporary 1/4 sec cor.

76.20 Wash 20 lbs wide course N. 63° 37'

ascend very gradually

79.84 Intersect N. S. line 38 lbs

S^o of cor. to Secs. 10, 11, 14 & 15.

Subdivision T. 11 N. R. 27 E. cont.

Chains

from which corner Iron
S. $89^{\circ} 44'$ W. on a true line
bet. Secs. 10 & 15. with corner

39.92 Set at Basalt stone $19 \times 17 \times 6$ ins.

14 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on

W 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 along-
side.

79.84 The corner to Secs. 9, 10, 15 & 16

Land nearly level

Soil 3^d rate

Good grazing.

here

North bet. Secs. 9 & 10.

Subdivision N. 11 W. R 27 E. cont.

chains

Var. $12^{\circ} 38' E$

Land nearly level

28.49 Road to S. 10° W.

32.48 bet in 6 chs E. of line

33.00 corner 9 chs W. of line

40.00 Set a Basalt stone $20 \times 8 \times 4$
ins. 15 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on W face, dug pits $18 \times 18 \times 12$
ins. N. S. of stone $5 \frac{1}{2}$ ft. dist.
and raised a mound of
earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft. base
alongside.

43.20 Wash 10 lbs wide course S. $83^{\circ} W$.
Ascend

80.00 Set a Basalt stone $21 \times 12 \times 3$.
ins. 15 ins. in the ground for
cor. to Secs. 3, 4, 9 & 10. marked

Subdivisions P. H. R. 27 E. cont.

chains

with 3 notches on Ex 5 notches
on S. edges, Aug 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.

Good spring in borral
noted on line also other
springs near borral.

Soil 2^d rate

Good grass.

East on a random line
bet. Secs. 9 & 10.

Var. $11^{\circ} 41' E$

Land nearly level

4000 Set temporary $\frac{1}{4}$ sec. Cor.

Subdivision P. 11 N. R. 27 E. cont.

chains

- 44.00 Road br N. 46° E. \angle S. 46° W.
- 79.65 Intersect N. & S. line 16 lks S. of cor. to Secs. 2, 3, 10 & 11, from which corner I run S. $89^{\circ} 54'$ W. on a true line bet. Secs. 3 & 10, with same or
- 39.82 Set a Basalt stone 21 x 11 x 7 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N face, dug pits 18 x 18 x 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 along side.
- 79.65 The corner to Secs. 3, 4, 9 & 10. Land nearly level
Soil 3^d rate
Good grazing.

Subdivisions P. 11 N. R 27 E. cont.

chains

North on a random line
bet. Secs. 3 & 4.

Var. $11^{\circ} 41' E!$

40.00 Set temporary $1/4$ sec. cor.

79.20 Intersect N. B. of Sp. 70
lks E. of cor. to Secs. 3 & 4

33 & 34 which is a
Limestone set firmly in
the groundy with pits
and earth around
E side,

Stone properly marked

Thence I run $S^{\circ} 30' E!$
on a true line bet. Secs. 3 & 4
with same va.

39.20 Set Basaltic stone $20 \times 10 \times 7$
ins. 15 ins. in the groundy for

Subdivision S. 11 N. R. 27 E. cont.

chains

$\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
W. face, dug pits $18 \times 18 \times 12$
ins. N. S. of stone $5\frac{1}{2}$ ft. dist.
and raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along
side.

79.20 To the corner to Secs. 3, 4, 9 & 10
Land nearly level
Soil 3^d rate.
Good grazing.

From the corner to Secs.
4, 5, 32 & 33. on S. By of
Sp. which is a lime-
stone properly matched
set firmly in the

Subdivision S. 11 N. R. 27 E. cont.

chains

groundy with pits, and earth mound on E. side.

Thence 1 mm North bet. Secs. 32 + 33.

Var. $11^{\circ}23'E!$

Descend

19.95 Wash 10 lbs wide course $60^{\circ}E!$ ascend.

40.00 Set a Basalt stone $16 \times 10 \times 6$ ins.

11 ins. in the ground for $\frac{1}{4}$ sec.

Cor. marked $\frac{1}{4}$ on W face

dug pits $18 \times 18 \times 12$ ins. N. & S.

of stone $5 \frac{1}{2}$ ft. dist. and

raised a mound of earth

$1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft. base alongside

80.00 Set a Basalt stone $18 \times 17 \times 4$ ins.

12 ins. in the ground for cor.

Subdivisions T. 11 N. R. 27 E. cont.

chains

to Secs. 28, 29, 32 & 33.
 marked with 4 notches on E.
 and 1 notch on S. edges, dug
 pits 18 x 18 x 12 ins. in each
 sec. 5/8 ft. dist. and raised
 a mound of earth 2 ft. high
 4 1/2 ft. base alongside.
 Land nearly level
 Soil 3^d rate
Good grazing land.

East on a random line
 bet. Secs. 28 & 33

Var. $110^{\circ} 48' E.$

Land nearly level

4000 Set temporary 1/4 sec. cor.
 79.84 Intersect N. & S. line 18 lbs S.

Subdivisions P. 11 N. R 27 E. cont.

Chains

of cor. to Secs. 27, 28, 33 + 34.
from which corner I run
S. 89° 52' W. on a true line,
bet. Secs. 28 + 33, with same

39. 92

Set a sandstone 16 + 9 + 3 ins.
11 ins. in the ground for 1/4
sec. cor. marked 1/4 on N. face
dug pits 18 + 18 + 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. base along
side.

74. 84

The corner to Secs. 28, 29, 32 + 33
Land nearly level
Soil gravelly & 3^d rate
Good grazing.

Subdivisions N. 1/4 R. 27 E. cont.

| | |
|--------|--|
| chains | North bet. Secs. 28 & 29. Var. $11^{\circ} 48' E$ |
| 40.00 | Set a Basalt stone $14 \times 8 \times 4$ ins. 10 ins. in the ground for $1/4$ sec. Cor. marked $1/4$ on N. face, and raised a mound of stone alongside, Pits impracticable |
| 66.48 | Round Valley & Caucha Road course N. W & S. E. |
| 67.71 | Crossing of Round Valley & Caucha, St John & Saw Mill Roads 1.13 ch. N. of line |
| 70.18 | Cross St John and Saw Mill road course N. $30^{\circ} E$. & S. $30^{\circ} W$. |
| 78.85 | Top of Ridge brs N. $70^{\circ} E$. descend |
| 80.00 | Set a Basalt Stone, $14 \times 10 \times 8$ ins. |

Subdivision N. H. R. 27 E. cont.

chain

10 ins. in the ground, for cor.
 of Secs. 20, 21, 28 & 29. marked
 with 4 notches on E & 2 notches
 on S. edges, dug pits 18 & 18 & 12
 ins. in each sec. 5 1/2 ft. dist.
 and raised a mound of earth
 2 ft. high & 1/2 ft. base alongside.
 Land Rolling
 Good grazing
 Soil 2^d rate.

Cast on a random line bet.
 Secs. 21 & 28.

Var. 13° 14' E.

Ascend

5.30 Cross Road course N. 37° E.
 40.00 Set temporary 1/4 sec. cor.

Subdivisions T. 11 N. R. 27 E. cont.

Lains

Descend gradually

80.20 Intersect N.S. line 18 lbs N.
of cor. to Secs. 21, 22, 27 & 28
from which corner I run
N. $89^{\circ} 52'$ W. on a true line
bet. Secs. 21 & 28. with same ca.

40.10 Set a Basalt stone $24 \times 12 \times 7$
ins. 18 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N. face, and raised a mound
of stone alongside, Pit inup-
racticable.

80.20 The corner to Secs. 20, 21, 28 & 29,
Land sloping East.
Soil 2^d rate
Good grazing.

Oct. 20. 1882.

Subdivision S. 11 N. R 27 E. cont.

chains

North bet. Secs. 20 & 21.

Var. $13^{\circ} 14' E$

Descend

40.00

Set a Basalt stone $30 \times 23 \times 16$
 ins. 22 ins. in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on N face
 and raised a mound of stone
 alongside Pit impracticable

62.00

Outer Dry Basin corner Ex N.

80.00

Set a Basalt stone $18 \times 10 \times 6$ ins.
 12 ins. in the ground for cor.

to Secs. 16, 17, 20 & 21. marked
 with 4 notches on Ex 3 notches
 on S. edges, dug 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
 along edge.

Subdivision S. 11 N. R 27 E. cont.

chain

Land rolling
Soil 2^d rate
Good grazing.

East on a random line
bet. Secs. 16 + 21

Var. $11^{\circ} 18' E'$

Ascend

- 4.20 Leave dry Basin dros N. 20th.
39.80 Top of ridge 30ft high course N. W.
40.00 Set temporary $\frac{1}{4}$ sec. cor.
40.81 Road to Saw Mill corner
S. $30^{\circ} E'$
79.65 Intersect N.S. line 38th
N. of corner to Secs. 15. 16. 21 + 22
from which corner run
N. $89^{\circ} 44' W.$ on a true line

Subdivision S. 11 N. R 27 E. cont.

chains

bet. Secs. 16 + 21. with same on.

39.82

Set a Basalt stone 18 + 9 + 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on Refasy dug pits 18 + 18 + 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. base along side.

79.65

The corner to Secs. 16, 17, 20 + 21
Land Rolling
Soil 2^d rate
Good grazing.

North bet. Secs. 16 + 17.

Cor. 11° 18' E!

Ascend

5.80

Leave dry Basin come E + W.

Subdivision T. 11 N. R. 27 E. cont.

| | |
|--------|---|
| Chains | |
| 32.35 | Top of Spur to N. W. & S. E. descend |
| 40.00 | Set a Basalt stone 18 x 10 x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable |
| 42.60 | Road to N. E. and S. W. |
| 76.40 | Wash 3 ft. deep. to N. 20° E. ascend |
| 80.00 | Set a Basalt stone 20 x 12 x 6 ins. 15 ins. in the ground for cor. to Secs. 8, 9, 16 & 17, marked with 4 notches on E. & 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 |

Subdivision T. 11 N. R. 27 E. cont.

Chain

4 1/2 ft. base alongside
 Sand hilly & broken
 Soil 3^d rate
 Good grassing.

Cast on a random line bet.
 Secs. 9 & 16.

Var. $11^{\circ} 27' E.$

Ascend

3.10 Wash 15 lbs deep. drains N. E.
 ascend

40.00 Set temporary 1/4 sec. cor.

40.85 Road bet N. E. and S. W.

76.20 Saw Mill road course $S. 20^{\circ} W.$

79.53 Intersect N. & S. line 28 lbs N.

of cor. to Secs. 9, 10, 15 & 16. from
 which corner I run $N. 89^{\circ} 48' W.$

Subdivisions N. 11 N. R. 27 E. cont.

chains

on a true line bet. sees. 9 & 16.
with same va.

39. 7. 6 Set at Basalt stone 16 + 10 + 8 ins.
11 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N face,
dug pits 18 + 18 + 12 ins. At 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 along side.

79. 53 The corner to Sec. 8, 9, 16 & 17.
First half slightly rolling
last half level
Soil 2^d rate
Good grazing.

North bet. Secs. 8 & 9.

Var. 11° 25' E.

Subdivisions S. 11 N. R. 27 E. continued

Chairs

Descend gradually

32.53 Wash 30 lks wide come N. E.
ascend44.00 Set a Basalt stone 15 x 10 x 4 ins.
10 ins. in the ground for 1/4 sec.
Cor. marked 4 on N. face,
and raised a mound of stone
alongside,63.00 Top of spur 30 lks high to N. E.
descend80.00 Set a Basalt stone 18 x 8 x 6 ins.
12 ins. in the ground, for cor.
to secs. 4, 5, 8 & 9. marked
with 4 notches on E & 5 notches
on S. edges, and raised a
mound of stone alongside,
Pt to impracticable.
Land rough & rocky.

Subdivisions D. 11 N. R 27 P. cont.

chains

Soil 4th rate
 some grass & scattering
 Juniper.

Cast on a random line, bet:
 Seco. 4 & 9.

Var. $11^{\circ} 55' 8''$

ascend

3.40 Top of spur 30 ft high, br
 N. 45° E. descend

16.80 Wash 20 lbs wide course N. 10° W.
 ascend

17.30 Road br N. 10° W.

24.00 Top of Bluff br N. 15° W.
 descend gradually

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.85 Intersect N.S. line 43 lbs

Subdivision P. 11 N. R. 27 E. cont.

chains

N. of cor. to Secs. 3, 4, 9 + 10.
from which corner I run
N. $89^{\circ} 42'$ W. on a true line
bet. Secs. 4 + 9. with same ra.

39.92 Set a Post 4 ft. long 4 ins. sq.
with marked stone 12 ins. in
the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on N. face, dug
pits 18 x 18 x 12 ins. Et 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.

79.85 The corner to Secs. 4, 5, 8 + 9
Soil 4th rate
Some grass scattering
Juniper
Land rough and rocky.

scap

Subdivisions N. 11 W. R 27 E. cont.

chains

North on a random line
bet. Secs. 4 & 5.

Var. $11^{\circ} 55' E$

Descend

22.00 Wash soft. deep. on N. $30^{\circ} W$

40.00 Set temporary $1/4$ sec. box

78.93 Intersect N. Bay of Sp. 22
lbs E. of cor. to Secs. 4, 5, 32 & 33,
which is a volcanic
stone set firmly in the
ground, with pits and
mounds of earth on E side
stone properly marked.

Hence I run $S. 9^{\circ} E$ on a true
line bet. Secs. 4 & 5. with
same or.

38.93 Set a Basalt stone $18 \times 8 \times 6$ ins.

Subdivision P. U. R. 27 E. cont.

Chain

12 ins. in the ground for $\frac{1}{4}$ sec.
 Cor. marked $\frac{1}{4}$ on W. face,
 dug pits 18 + 18 + 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 side

78.93

The corner to Secs. 4, 5, 8 + 9.

Land Rocky

Soil 4 rate

Good grazing.

From the corner to Secs. ^{5, 6} 31 + 32
 on S. By of Sp. which is a
 limestone properly notched
 set firmly in the ground,
 with pits, and

Subdivisions N. 11 N. R 27 E. cont.

chain

earth mound
alongside.

Thence 9 mm North. bet.
Secs. 31 & 32.

Cor. $11^{\circ} 23' E!$

Descend

40.00 Set at Basalt stone $27 \times 9 \times 6$ in.

20 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N.

face, dug pits $18 \times 18 \times 12$ ins.

N. & S. of stone $5 \frac{1}{2}$ ft. dist.

and raised a mound of

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

78.50 Cross Wash 21 lbs wide curve

N. $83^{\circ} E!$ ascend,

80.00 Set at Basalt stone $20 \times 10 \times 9$

Subdivision T. 11 N. R. 27 E. cont.

Chains

15 ins. in the ground, for cor.
to Secs. 29, 30, 31 & 32, marked
with 5 notches on E & 1 notch
on S. edges, dug pits 18 x 18 + 12
ins. in each sec. 5 1/2 ft. dist.
and raised a mound of earth
2 ft high 4 1/2 ft. base along-
side.

Land rocky

Soil 4 rate

Good grass.

East on a random line,
bet. Secs. 29 & 32.

Var. $11^{\circ} 31' E$

Rolling

4000. Set temporary 1/4 sec. cor.

Subdivisions P. 11 N. R. 27 E. cont.

Chains

- 48.16 Cross Road to N. $27^{\circ} 8' E$ & S. $27^{\circ} W$.
- 79.95 Intersect N & S line 41 Chs. S.
of cor. to Secs. 28, 29, 32 & 33,
from which corner I run
S. $89^{\circ} 42' W$ on a true line
bet. Secs. 29 & 32, with same cor.
- 39.97 Set a Basalt stone 20 x 8 x 7 ins
15 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on
N face and raised a
mound of stone alongside
Pit impracticable.
- 79.95 The corner to Secs. 29, 30, 31 & 32
Land rough & rocky
Soil 4th rate
Good grazing
-

Subdivisions N. W. R. 27 E. cont.

chains

West. on a random line bet.
Secs. 30 & 31

Var. $11^{\circ} 31' E.$

Rolling

46.00 Set temporary $\frac{1}{4}$ sec. cor.

80.29 Intersect W. By of $\frac{1}{4}$ sec. 16 lbs
S^o of cor. to Secs. 25, 30, 31 & 36

which is a Basalt stone,
marked with 5 notches on
N and 1 notch on S. edges,
with pits in each sec.

$5\frac{1}{2}$ ft. dist. and mound of
earth 2 ft high $4\frac{1}{2}$ ft. base
along side.

Thence I run S. $89^{\circ} 53' E.$
on a true line, bet. Secs.

30 & 31. with same va.

40.29 Set a Basalt stone 18 & 12 & 6

Subdivisions N. 11 N. R. 27 E. cont.

chains

12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside, Pit's impact. ice ab.

80.29 The corner to Secs. 29, 30, 31 & 32.
Land rocky
Soil 3^d rate
Good grass.

North bet. Secs. 29 & 30.
Var. $11^{\circ} 31' E.$

Rolling

40.00 Set a Basalt stone 21 x 10 x 7 ins. 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, and raised a

Subdivisions N. W. R. 27 E. cont

chains

row of stone alongside
Pits impracticable

8000 Set a Basalt stone 18x10x7
ins. 12 ins. in the ground for
cor to secos. 19, 20, 29, & 30
marked with 5 notches
on E & 2 notches on S. edge,
and raised a row of
stone alongside Pits imp-
racticable.

Land rocky

Soil 3^d rate

Good grass.

I carefully examined the adjust-
ments of my solar compass today, partic-
ularly the latitude and reversing
apparatus, and found them correct

Oct 21. 1882.

✓

Subdivision T. 11 N. R. 27 E. cont.

chains

East on a random line, bet
Secs. 20 & 29.Var. $12^{\circ} 18' E!$

Ascend

36.40 Top of ridge to $N 20^{\circ} W.$

Descend

49.00 Set temporary $\frac{1}{4}$ sec. cor.60.00 Wash left. deep. drains $N. 30^{\circ} E!$ 65.15 Road to Round Valley to
 $N. 49^{\circ} W.$

79.76 Intersect N & S line 35 lbs

N of cor. to Secs. 20, 21, 28 & 29,

from which corner found

 $N. 89^{\circ} 45' W.$ on a true line
bet. Secs. 20 & 29. with same cor.39.88 Set a Basalt stone $16 \times 8 \times 6$ ins.11 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N.

Subdivisions T. 11 N. R. 27 E. cont.

chains

fascy and raised a mound
of stone alongside, Pit
impracticable.

79.76 The cor. to Secs. 19, 20, 29 & 30.

Land Rolling

Soil 2^d rate

Good grazing.

West on a random line bet.
Secs. 19 & 30.

Var. $12^{\circ} 18' E!$

Rolling

40.00 Set temporary $1/4$ sec. cor.

80.12 Intersect N. Ry of Sp. 31

lbs N. of cor. to Secs. 19, 24, 25 & 30

which is a Basaltstone
marked with 4 notches

Subdivision S. 11 N. R. 27 E. cont.

Chains

on N. end 2 notches on S. edges, with mound of stone alongside.

Thence I run N. $89^{\circ}47' E$.
on a true line bet. Secs.
19 & 30. with same on

40.12 Set a Basalt stone $24 \times 12 \times 10$
ins. 18 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on E.
face, dug pit $18 \times 18 \times 12$ 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
along side.

80.12 The corner to Secs. 19, 20, 29 & 30
Land Rolling.

Subdivisions S. 11 N. R. 27 E. cont.

Chains

Soil 2^d rate
 Good grazing.

North bet. Secs. 19 & 20

Var. $12^{\circ} 18' E$

- 4000 Set a Basalt ^{stone} $21 \times 7 \times 6$ ins.
 15 in the ground, for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face,
 dug pits $10 \times 10 \times 12$ ins. N.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.
- 7120 Cross Road for N. $70^{\circ} W$.
- 8000 Set a Basalt stone $18 \times 10 \times 8$ ins.
 12 ins. in the ground, for cor.
 to Secs. 17, 18, 19 & 20. marked

Subdivisions T. 11 N. R. 27 E. cont.

Acres

with 5 notches on E & 3 notches
 on S. edges. dug pits 18" x 18"
 in. in each sec. 5' ft. dist.
 and raised a mound of earth
 2ft high 4' ft. base along side.
 Land rolling
 Soil 2d rate
 Good grazing.

East on a random line bet.
 Secs. 17 + 20

Var. $12^{\circ} 43'$ E!

Ascend

18.20 Top of spur 15ft. high to S. E.
 descend

4.00 Set temporary 1/4 sec. cor.

56.20 Road to N. 30° E!

Subdivisions S. 11 N. R. 27 E. cont.

- 65.00 ^{Center} Dry Basin for N. 20° E.
- 79.80 Intersect W. S. line 13 lbs S. of
cor. to Secs. 16, 17, 20, 21, from
which corner I run S. 89°
55' W. on a true line bet.
Secs. 17. & 20. with same co.
- 39.90 Set a Basalt stone 18x9x8 ins.
12 ins. in the ground, for 1/4
sec. cor. marked 1/4 on N face
dug pit 18x18x12 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. base alongside.
- 79.80 The corner to Secs. 17, 18, 19 & 20
Land slightly rolling
Soil 2^d rate
Good grazing.

Subdivisions T. 11 N. R. 27 E. cont.

chains

West on a random line bet.
Secs. 18 & 19.

Var. $12^{\circ} 43' E$.

Rolling

32.75 Cross Road to N. $70^{\circ} W$.

80.20 Intersect W. By of Sp. 16 lks.
Prof cor. to secs. 13, 18, 19 & 24
which is a Basaltstone
marked with 3 notches
on N. & S. edges, with
round of stone along-
side.

Thence I run N. $89^{\circ} 54' E$
on a true line, bet. Secs. 18 & 19.
with same va.

40.20 Set a Basaltstone $21 \times 12 \times 3$ ins.
15 ins. in the ground, for $1/4$

Subdivisions T. 11 N. R. 27 E. cont.

chains

sec. cor. marked $\frac{1}{4}$ on N face
and raised a mound of
stone along side, Pit un-
suitable

80.20 S/E corner to Secs. 17, 18, 19 & 20
Land slightly rolling
Soil 2d rate
Good grazing.

North bet. Secs. 17 & 18

Var. $12^{\circ} 43' E.$

Land nearly level

40.00 Set a Basalt stone $20 \times 10 \times 4$
ins. 15 ins. in the ground, for
 $\frac{1}{4}$ sec. cor marked $\frac{1}{4}$ on
N face, dug pits $18 \times 18 \times 12$ ins.
W of stone 5 ft. dist. and

Subdivisions N. 11 N. R. 27 E. cont.

Chain

raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. base along side.
 80.00 Set a B cast stone 18 x 12 x 7
 ins. 12 ins. in the ground for
 Cor. to Secs. 7, 8, 17 & 18.
 marked with 5 notches on
 E & 4 notches on S. 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 along side
 land slightly rolling.
 Soil 2^d rate.
 Good grazing.

East on a random line
 bet. Secs. 8 & 17.

Subdivisions P. 11 N. R. 27 E. cont.

Chains

Var. $13^{\circ} 14' E!$

Ascend

20.12 Tap of spur 50 ft. high to N. 150 E.

Descend

4000 Set temporary $\frac{1}{4}$ sec. cor.79.87 Intersect hsd. line 31 lbs N.
w/cor. to Secs. 8, 9, 16 & 17, from
which corner I run N. 89°
 $47' W.$ on a true line bet.

Secs. 8 & 17, with same va.

39.99 Set a Basalt stone $17 \times 8 \times 6$
ins. 12 ins. in the groundfor $\frac{1}{4}$ sec. cor marked
 $\frac{1}{4}$ on N. face, and raised
a mound of stone alongside
Pit impracticable.79.87 The corner to Secs. 7, 8, 17 & 18
Land selling.

Subdivisions N. 11 N. R 27 E. cont.

chains

Good grass
Soil 2^d rate.

West on a random line
bet. Secs. 7 & 18.

Var. $13^{\circ} 14' E$

descend gradually

4000 Set temporary 1/4 sec cor.

80.27 Intersect W. By of Sp.

33 lbs S. of cor. to Sec. 7. 12

13 & 18. which is a

Basalt stone marked
with 2 notches on N. &
4 notches on S. edges
with iron doptone
alongside.

Bence 2 run S. $89^{\circ} 46' E$

Subdivision P. 11 N. R. 27 E. cont.

chains

on a true line bet. secs.
7 & 18. with same va.

40.27 Set a Basalt stone 18x10x5
ins. 12 ins. in the ground for
1/4 sec. cor. marked 1/4 on
N face, dug pits 18x18x12 ins.
E & W of stone 5 1/2 ft. dist, and
raised a mound of earth
1 1/4 ft high 3 1/2 ft. base along-
side.

80.27 The corner to Secs. 7, 8, 17 & 18.
Land nearly level
Soil 2^d rate
good grazing.
Oct. 23, 1882.

North bet. Secs. 7 & 8.

Subdivisions S. 11 N. R. 27 E. contd

Var. $13^{\circ} 14' E!$

Ascend

- 40.00 Set a Basalt stone $16\frac{1}{2} \times 10\frac{1}{2} \times 9$ ins. 11 ins. in the ground, for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone along side. Pits impracticable.
- 42.00 Top of ridge 25 ft. high to N. W. $S. 70^{\circ} E.$ descend.
- 62.00 Work 10 ft deep $S. 60^{\circ} E.$ ascend
- 80.00 Set a Basalt Stone $19 \times 8 \times 7$ ins. 13 ins. in the ground, for cor. to $\frac{1}{4}$ sec. $S. 6.7 \times 8$ marked with 5 notches on E & S. edges, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. and

Subdivisions N. 11 N. R. 27 E. cont.

Chains

raised a mound of earth 4 ft
high 4' left base, alongside
land rolling.

Soil 2^d rate

Good grazing.

East on a random line
bet. Secs 5 & 8.

Var. $12^{\circ} 8' E!$

ascend

13.50 Wash 15 lbs wide drain N. E.
ascend

35.40 Tip of spur to N. E.

40.00 Set temporary $1/4$ sec. Cor.

76.70 Wash 35 ft. deep. drain N. 20° E!
ascend

80.11 Intersect N.S. line 12 lbs N.

Subdivisions P. 11 N. R. 27 E. cont.

Chains

of cor. to Secs. 4, 5, 8 & 9,
from which corner I run
N. $89^{\circ} 55'$ W. on a true line
bet. Secs. 5 & 8, with same ca.

40.05 Set a Basalt stone $18 \times 6 \times 4$
ins. 12 ins. in the ground
for $1/4$ sec. cor. marked $1/4$ on
N face, and raised a mound
of stone along side. Pits imp-
rectifiable

80.11 The corner to Secs. 5, 6, 7 & 8
Land rolling.
Soil 2^d rate
Good grass, some scattering
Juniper.

West on a random line

Subdivision N. 11 N. R. 27 E. cont.

Chains

bet. Secs. 6 & 7.

Var. $12^{\circ} 8' E!$

Ascend

20.60 Top of spur 30 ft high, on
N. $30^{\circ} E!$ descend40.00 Set temporary $1/4$ sec. cor.

79.84 Intersect W. By of Sp.

40 ft S of cor. to Secs. 1.6. 7 & 12
which is a Basalt
stone marked with
notch on N. & 5 notches
on S. edges, with round
of stone alongside.Thence I run S: $89^{\circ} 43' E!$ on a true line bet. Secs. 6 & 7
with same va.39.84 Rock in place $60 \times 48 \times 36$ ft

Subdivision S. 11 N. R. 27 E. cont.

Chains

marked $\frac{1}{4}$ \times at point of intersection.

79.84 The cor. to Secs. 5, 6, 7 & 8
 Land rough and rocky
 little grass
 Soil 3^d rate.

North on a random line
 bet. Secs. 5 & 6.

Var. $120^{\circ} 8' E$

ascend

16.55 Popoys spur 3 ft. high to
 N. $60^{\circ} E$. descend

37.60 Wash 10 ft. deep toains N. $83^{\circ} E$.
 ascend

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.67 Intersect N. 24 of Sp .

Subdivisions T. 11 N. R. 27 E. cont.

Chains

41 lbs E. of cor. to Secs. 5 & 6
31 & 32. which is a lime
stone set firmly in the
ground properly marked
with stone mound
on E. side

Thence I run S. 18' E. on a
true line bet. Secs. 5 & 6.
with same or.

40.67 Set a Basalt stone 18 x 4 x 4
in. 12 in. in the ground for
1/4 sec. cor. marked 1/4 on N. face
and raised a mound of stone
along side pit imperceptible

80.67 The corner to Secs. 5, 6, 7 & 8.
land rough & rocky, Soil 3^d rate
Good grass.

Oct. 24. 1882

General Description

Nearly all of this township is a smooth Mesa, and the greater portions are nearly level.

There is no timber except a few scattering Junipers.

There is excellent grazing throughout the township.

In Secs 9th & 10th are several Mud springs, Nathan Barth has horses, corral, and garden in Secs. 9 & 10 valued at \$600.

The Soil is mostly 2^d rate.

Final Oaths for Surveys.

LIST OF NAMES.

A list of the names of the individuals employed by

A. P. Johnson, United States
Deputy Surveyor, to assist in running, measuring, and marking
the lines and corners described in the foregoing field-notes of the
survey of *the Exterior retracing and*
subdivision lines of Tps 9. 10 + 11 N. Rs
30 + 31 E; Tps 10 + 11 N. R 29 E, T
90 N. R 28 E; Tps 9 + 10 N. Rs 26 + 27 E
+ T 11 N. R 27 E G. + S. R. M.

showing the respective capacities in which they acted.

- John Hewitt* , Compassman.
- E. E. Tollin* , Chainman.
- Maurice Legrand* , Chainman.
- S. J. Porter* , Chainman.
- James Hewitt* , Axeman.
- James Dalton* , Axeman.
- James Dalton* , Flagman.



Final Oaths of Assistants.

We hereby certify that we assisted

A. P. Johnson

United States Deputy Surveyor,

in surveying all those parts or portions of the *Exterior* ~~extending~~

and subdivision lines of Tps 9, 10 + 11 N
R. 20 + 31 E, Tps 10 + 11 N R 29 E, Tps
R 28 E, Tps 9 + 10 N. R. 26 + 27 E and
T. 11 N. R 27 E G. + S. R. M

of the *base and*
Meridian, *Territory* of *Arizona*, as are

represented in the foregoing field-notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor-General for

, Compassman.

John Hewitt, Chainman.

C. C. Tollin, Chainman.

Maurice Legrou, Chainman.

J. A. Porter, Chainman.

Lewis Hewitt, Axeman.

, Axeman.

James Datton, Flagman.

Subscribed and sworn to before me this

26th

day of *October*, 188*2*

A. E. Shaemaker

U. S. Commissioner, 3d Judicial District,

Arizona Territory.

Final Oath of United States Deputy Surveyor.

I, *A. P. Johnson*,United States Deputy Surveyor, do solemnly swear that in pursuance of instructions received from *John Nasson*

, United States Surveyor-General

for *Arizona*, bearing date of the*27 June* day of *June*, 1882,

I have well, faithfully, and truly, in my own proper person, and

in strict conformity with the instructions furnished by the United

States Surveyor-General for *Arizona*,

the surveying manual, and the laws of the United States, sur-

veyed all those parts or portions of *the Exterior retracing**and subdivision lines of Tps 9. 10**+ 11 N. Rs 30 + 31 E, Tps 10 + 11 N**R 29 E, T 9 N R 28 E, Tps 9 + 10 N**R. 26 + 27 E and T. 11 N. R 27 E*of the *Gila & A. R* base and *Meridian*~~Meridian~~ in the *Territory* of *Arizona*,

as represented in the foregoing field-notes as having been surveyed

by me and under my directions; and I do further solemnly swear

90 98

that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the United States Surveyor-General for *Arizona*, and in the specific manner described in the field-notes, and that the foregoing are the true field-notes of such survey; and, should any fraud be detected, I will suffer the penalty of perjury, under the provisions of an Act of Congress, approved August 8, 1846.

A. R. Johnson,

United States Deputy Surveyor.

Subscribed and sworn to before me this
day of *October*, 188*2*

26th

A. E. Shoemaker,

U. S. Commissioner, 3d Judicial District,
Arizona Territory.



BOOK

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28

U. S. Surveyor General's Office,
Tucson, Arizona, *January 17*, 18*83*

The foregoing Field Notes of the survey of

Subdivision Lines
of Township 11 North,
Range 24 East.

of the Gila and Salt River Base and Meridian, Arizona,
executed by *A. P. Johnson*,
D. S., under his contract of the *8th* day of
June, 18*82*, having been critically ex-
amined and the necessary corrections and explanations
made, the said Field Notes and the surveys they de-
scribe, are hereby approved.

J. W. Robinson

Surveyor General.