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BOOK 93

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BOOK 93

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

-OF-

Township *11. N* Range *22 E*

Gila and Salt River Base and Meridian

ARIZONA.

By *O. D. Wheeler* D. S.

under contract dated *May 31 1882*

Survey commenced *Aug. 11 1882*

Survey completed *Aug 14 1882*

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1A

BOOK 93

Township

Range

22

M.



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Subdivisions J. H. N.
R 22 E.

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Township *11 N.*Range *22 E.*

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Gila and Salt River, Arizona.

ARIZONA.

No-93

Subdivision S. 11 N. R. 22 E.

Gila & Salt River Meridian

Chains.

Survey commenced August
11th 1882, with a Burt's
Patent Improved Solar Compass
nearly new and in first
rate order, made by Otto
Pencil of Basel Germany
in 1881.

Before proceeding with the
survey of the subdivision
lines of this Township,
I carefully examined the
adjustments of my Solar
Compass, particularly the
latitude and reversing
apparatus, and found
them correct.

T. 11 N. R. 22 E.

chain

I commence at the cor. to
Secs. 1. 2. 357 36. on South
Boundary of Township, which
is a Basalt stone,
properly notched
with stone mound
alongside.

Thence I run North bet.
Secs. 357 36.

Var. $10^{\circ} 34' E.$

(As per observation with Solar compass)
over Rolling Land

4000 Set a Basalt stone $17 \times 10 \times 4$
ins. 12 ins. in the ground

S. 11 N. R 22 E'

Acres

for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside, Pits impracticable.

8000 Set a Basalt stone $22 \times 10 \times 4$ ins. 16 ins. in the ground for Cor. to Secs. 25. 26. 35 & 36. marked with notch on S. & E. edges, and raised a mound of stone alongside Pits impracticable.

Sec. 35 is rolling & rocky

Sec. 36 is nearly level

Soil 2d & 3d Rate

Shrub Juniper

Good Grass.

S. 11 N. R. 22 E.

chain

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

Var. $14^{\circ} 03' E$.

Descend

25.08 Cross creek 300 yds wide course
N. soon turns N. W.

Ascend

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

79.90 Intersect E. Ry of Township
19 lks S. of cor. to Secs. 25, 30,
31 & 36. which is a

Basalt stone properly
notched with stake
run along side

T. 11 N. R. 22 E.

chains

Thence I run S. 89° 52' W.
on a true line bet. Secs. 25 & 36
with same ca.

39.95 Set a Basalt stone 20 x 10 x 3 ins.
15 ins. in the ground for 1/4
sec. cor. marked 1/4 on N. face,
and raised a mound of stone
along side, from which
a juniper 8 ins. dia. to N 10° W. 26 lds. dist.
marked 1/4 S. B. P.

79.90 Ad. cor. to Secs. 25 & 26. 35 & 36
Land nearly level
Soil 2^d rate
Good grazing
Scattering Juniper.

North bet. Secs. 25 & 26

S. 11 N. R. 22 E.

Lines

Var. $14^{\circ} 03' E!$

over low Rolling Hills

20.16 Begin descend

38.77 Cross Wash 44 lbs wide,
course N. $49^{\circ} W.$ ascend

4000 Set a Post 4 ft. long, 4 ins.
square, with marked stone 12
ins. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ S. on N. face,
dug pits $18 \times 18 \times 12$ ins. In 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.

8000 Set a Basalt stone $16 \times 10 \times 8$ ins.
11 ins. in the ground, for cor.
to Secs. 23, 24, 25 & 26, marked
with 1 notch on E & 2 notches
on S. edges, and raised a

T. 11 N. R. 22 E.

Stains

wound of stone alongside,
 Pits impracticable on
 Side to N. 48° W.
 Low rolling hills
 Good grass
 Soil 1st rate
 Plenty juniper brush.

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

Var. 13° $23'$ E!

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

80.25 Intersect E by of Tp. 30 lks

S of cor. to Secs. 19, 24, 25 & 30

which is a Basalt
 stone properly notched

S. 11 N. R. 22 E.

chains

with stone mound
alongside.

Thence Iron S. $89^{\circ} 47'$ W. on
a true line bet. Secs. 24+25.
with same va.

40.12 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 face, dug
pit 18x18x12 ins. E. W. of
post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft.
high 3 ft. base around post.

80.25 The cor. to Secs. 23. 24. 25+26
Low Rolling Hills
Good grass

S. 11 N. R. 22 E.

chain

Soil 1st rate

Plenty Juniper brush

North bet. Secs. 23 + 24.

Cor. 19° 23' E.

Descend over Rolling land

4.00 Set a sandstone 14 + 8 + 5 ins.

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

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

and raised a mound of stone

alongside, Pts impracticable

8.00 Set a Blue Limestone 18 + 10 + 7

ins. 12 ins. in the ground for

Cor. to Secs. 13, 14, 23 + 24, marked

with 1 notch on E + 3 notches

on S. edge, and raised a

mound of stone alongside

N. 11 W. R 22 E.

chain

Pits impracticable
 Land Rolling Hills
 Good grass
 Soil 1st rate
 Some Juniper brush.

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

Var. 11° 8' E.

Descend

39.00 Cross Silver Creek 28 lbs wide
 course N. W.

39.80 Cross Silver Creek 26 lbs wide
 course N. and ascend

40.00 Set temporary 1/4 sec. Cor.

50.75 Cross Silver Creek 25 lbs wide
 course N. 55° W.

S. 11 N. R. 22 E.

chains

76.39 Cross Road br N. 63° W.

79.40 Intersect E. By of Sp. 20 lbs.

N. of cor. to Secs. 13, 18, 19 & 24.

which is a Basalt stone
properly notched with
bearing trees, properly
marked in S. E. & S. W. sec.

Thence I run N $89^{\circ} 51'$ W,
on a true line bet. Secs. 13 & 24
with same on.

39.70 Set a Sandstone $18 \times 10 \times 7$ ins.

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

S. 11 N. R. 22 E.

chains

and raised a mound of
stone alongside Pts imp
rectifiable

79.40 The cor. to Secs. 13, 14, 23 & 24

Land rolling hills

Good grass

Soil 1st rate

Some Juniper Bunch

North bet. Secs. 13 & 14

Var. 11° 8' E.

Descend

14.70 Cross Silver Creek 3000s wide
course N. ascend

20.40 Top of Ridge 70ft. high, course
E. N. & Descend.

40.00 Set a post 4 ft. long 4 ins.

S. 11 N. R. 22 E.

4 lines

square, with marked stone
 12 ins. in the ground, for $\frac{1}{4}$
 sec. Cor. marked $\frac{1}{4}$ S. on
 N. face, from which
 when Run 10 ins. dia to N. 45° W. 55 fms. dist.
 marked $\frac{1}{4}$ S. B. R.

A further 8 ins. dia to S. 9° E. 110 fms. dist.
 marked $\frac{1}{4}$ S. B. T.

8000 Set a Post 4 ft. long 4 ins. sq. with
 with marked stone 12 ins. in the
 ground for Cor. to Secs. 11, 12, 13 & 14
 marked S. 11 N. S. 12 on N. E.

R. 22 E. S. 13 on S. E.

S. 14 on S. W. and

S. 11 on N. W. faces, with 1
 notch on E & 4 notches on S edges,
 dug pits 18 x 18 x 12 ins. in each
 sec. $\frac{5}{8}$ ft. dist. and raised a

S. 11 N. R. 22 E.

chain

mound of earth 2 ft. high $4\frac{1}{2}$
ft. base around post.
Land Rolling & Rocky
Soil 2^d. rate
Good grazing.
Some Juniper brush.

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

Var. $12^{\circ} 15' E.$

over Rolling land

- 2.75 Cross Road course N. W.
40.00 Set temporary $\frac{1}{4}$ sec. cor.
42.00 Begin to ascend
78.90 Top of Ridge S. $43^{\circ} W.$
Ascend
79.80 Intersect E. Ry. at S.P.

S. 11 N. R 22 E.

chains

26 lbs S of Cor to Secs. 7. 12
13 x 18 which is a Basalt
stone properly notched
with wound of stain
alongside.

Thence Iron S. $89^{\circ}49'$ W.
on a true line bit. Secs. 12 x 13.
with same va.

39.90 Set Blue limestone 14 x 9 x 6
ins. 10 ins in the ground
for $\frac{1}{4}$ sec. Cor. marked upon
N. face, and raised a wound
of stain alongside Pts imp-
racticable.

S. 11 N. R. 22 E.

chains

79.80

The cor. to Secs. 11, 12, 13 & 14
 Land Rolling & rocky
 Soil 2^d rate
 Pair grazing.
 Some scattering Juniper.

North bet. Secs. 11 & 12

Var. $12^{\circ} 15' E!$

ascend gradually

2.45 cross road course N. $38^{\circ} W.$

40.00 Set at Basalt stone 16 & 10 & 4

ins. 11 ins. in the ground
 for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$
 on W. face and raised a

round of stone alongside
 Pts impracticable.

48.00 Top of Ridge 300 ft high

S. 11 N. R. 22 E.

Chains

course Es W.

80.00 Set a post 4 ft. long, 4 ins. sq. with marked stone 12 ins. in the ground, for Cor. to Secs.

1. 2. 11 + 12. marked

S. 11 N. S. 1 on N. E.

R. 22 E. S. 12 on S. E.

S. 11 on S. W. and

S. 2 on N. W. faces, with 1 notch on E and 5 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 around post.

Secs. 11 + 12 are rolling, ^{Secs 11 + 12 level}
Soil 2^d rate, good grass.
Scattering Juniper, a spring on S. E. 1/4
Sec. 11.

T. H. R. 22 E.

Lains

East on a random line
bet. Secs. 14/12.

Var. 130/51 E.

Over Rolling Land

40.00 Set temporary 1/4 sec. cor.

80.28. Intersect E. By of Sp. 40 lbs S.
of cor. to Secs. 1.6. 7+12 which
is a Basalt stone
properly matched
with mound of
stone along side

Spence Iron S. 89° 43' W.
on a true line bet. Secs. 14/12
with same va.

40.14 Set a Basalt stone 21+10+4

S. 11 N. R. 22 E.

chain

ius. 15 ius. in the ground for
 1/4 sec. cor. marked 1/4 on
 on N. face, and raised a
 mound of stone alongside.
 Pits impracticable.

80.28 The Cor. to Secs. 1, 2, 11 & 12.
 Land slopes gradually to the West.
 Soil 2^d rate
 Some Juniper,
 Good grass.

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

Var. 130° 15' E.

Ascend gradually

4500 Set temporary 1/4 sec. cor.

44.19 Top of Ridge 300 ft. high

S. 11 N. R. 22 E

chain

course Ex W. descend.

80.20

Intersect N. Ry of Sp.
14 lbs E. of cor. to Secs. 12.
35 & 36. which is a
Basalt stone properly
notches, with mound
of stone alongside.

Thence 1 mm S. 6' E. on a
true line bet. Secs. 1 & 2.
with same or.

40.20

Set a Basalt stone 16 x 10 x 6
ins. 11 ins. in the ground
for 1/4 sec. cor. marked 1/4
on W. face, and raised

S. 11 N. R. 22 E.

chain

a mound of stone alongside
Pit impracticable.

80.20 The Cor. to Secs. 1, 2, 11 & 12
Land Rolling.

Soil 3^d rate

Good grass

Scattering Juniper.

I carefully examined the
adjustments of my solar
compass today, particularly
the latitude and bearing
apparatus, and found
them correct.

Aug. 11, 1882

S. 11 N. R. 22 E.

chain

From the cor. to Secs. ^{2.3.} 34+35.
on S. Boundary of Twp.
which is a Basalt
stone properly notched
with mound of stone
along side

Thence from North bet.
Secs. 34+35.

Var. 11° 15' E.

Ascend gradually

4000 Set a Sandstone 16+10+3 ins.
11 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N.
face, and raised a mound.

S. 11 N. R. 22 E.

chains

of stone along side, pits imp
practicable.

59.12 Top of Ridge 300ft. high, course
E. W. ascend

80.00 Set a Basalt stone 20x9x5
ins. 15ins. in the ground,
for cor. to secs. 26, 27, 34 & 35
marked with 2 notches on
E. & 1 notch on S. edge, and
raised a mound of stone
along side, from which
a Juniper 24 ins. di. br. S. 24° W. 31' 1/2' di. is
marked S. 11 N. R. 22 E. S. 26 B. T.

Secs. 34 & 35 are rolling & rocky
Soil 3^d rate

Scattering Juniper and Bush
Good grazing.

S. 11 N. R. 22 E.

chains

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

Var. $9^{\circ} 31' E.$

Ascend gradually

23.00 Trip of spur 100 ft. high, course
N. & S. descend

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

43.15 Cross Head of Wash 20 lbs
wide, course N. $21^{\circ} W.$ ascend.

59.00 Trip of spur 36 ft. high course
N. $20^{\circ} W.$ descend

80.30 Intersect N. & S. line 38 lbs
N. of cor. to Secs. 25, 26, 35 & 36
Thence I run N. $89^{\circ} 44' W.$
on a true line bet. Secs. 25 & 26.
with same va.

40.15 Set a Basalt stone 16 & 12 & 3 ins.
11 ins. in the ground for $\frac{1}{4}$

T. 11 N. R. 22 E.

chain

Sec. cor. marked $\frac{1}{4}$ on N. face
and raised a summit of
stone alongside, Pits impact-
icable.

80.30 The cor. to Secs. 26-27, 34+35,
Land Rolling.

good grass

Soil 2^d rate

Plenty of Juniper brush.

North bet. Secs. 26+27

Var. 90 31' E.

Descend over Rolling hills

4000 Set a Basalt stone $14 \times 9 \times 7$

ins. 10 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N. face, and raised a

N. 11 N. R. 22 E.

Notes

wound of stone alongside
Pits impracticable.

42.16 Cross Mark to N. 44° E.
Continue
Descending.

80.00 Set a Basalt stone 15 x 12 x 6 in.
in the ground for cor.
to Secs. 22, 23, 26 & 27 marked
with 2 notches on E & S. edges
and raised a wound of
stone alongside, Pits imp-
racticable.

Land Rolling

Good grass

Soil 2^d rate

Plenty of Juniper bush.

East on a random line

S. 11 N. R. 22 E.

chains

bet. Secs. 23 & 26.

Var. $140^{\circ}30'E.$

Slightly rolling land

36.70 cross Wash 14 lbs. wide course
N. W.40.00 Set temporary $\frac{1}{4}$ sec. cor.80.21 intersect prop. line 13 lbs. N.
of cor. to Secs. 23, 24, 25 & 26.
Thence down N. $89^{\circ}55'W.$
on a true line bet. Secs. 25 & 26.
with same or.40.10 Set a Bessett stone 14 x 7 x 6 lbs.
10 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.

80.24 The cor. to Secs. 22, 23, 26 & 27

T. H. R. R. 22 E.

chain

Land Rolling.
 Good Grass
 Soil 2^d rate
 Plenty of Juniper brush.

North bet. Secs. 22 & 23.

Var. 14° 30' E.

Descend

25.00 Cross Wash 20 lbs wide, course
 N. W. ascend

40.00 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. W. S. of post
 5 $\frac{1}{2}$ ft. dist. and raised a
 mound of earth 1 $\frac{1}{2}$ ft. high

S. 11 N. R. 22 E.

chains

3 1/2 ft. base around post.

61.31 Top of Ridge, brs N. 67° W.
descend gradually

80.00 Set a sandstone 19 x 10 x 6 ins.

13 ins. in the ground, for Cor.
to Secs. 14, 15, 22 x 23. marked
with notches on E & 3 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
a long side.

Land Rolling

Good grass

Soil 2d rate

Some Juniper brush.

S. 11 N. R. 22 E.

chains

East on a random line, bet.
Secs. 14 & 23.

Var. $11^{\circ} 45' E$

descend

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

57.80 Cross Wash 30 lks wide, course
N. W.

71.80 Cross creek 31 lks wide, course
S. W.

79.70 Intersect N & S. line 27 lks
N. of cor. to Secs. 13, 14, 23 & 24

Thence down N. $89^{\circ} 48' W$.

on a true line bet. Secs. 14 & 23
with same va.

39.85 Set a Blue Limestone $18 \times 10 \times 7$
in. 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N face, and raised a mound

S. 11 N. R. 22 E.

chain

of stone along side, Pts
impracticable.

79.70 The cor. to Secs. 14, 15, 22 & 23.
Land Rolling & rocky
Pair grazing.
Soil 3^d rate
Some Juniper Bush.

North bet. Secs. 14 & 15.

Cor. 11° 45' E.

Descend

40.00 Set a Blue limestone
14 x 12 x 3 ins. 10 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, and raised a
row of stone along side
Pts impracticable

S. 11 N. R. 22 E.

Chains

48.12 Cross creek 25 lbs wide, course
W. ascend

8000 Set a Basalt stone 14 x 8 x 3 in.
16 in. in the ground for cor.
to Secs. 10. 11. 14 x 15. marked
with 2 notches on E & 4 notches
on S. edges, dug pits 18 x 18 x 12
in. in each sec. 5 1/2 ft. dist.
and raised a mound of
earth 2 ft. high 4 1/2 ft. base
along side, from which
a Juniper 20 in. dia. br. S. 70° W. 26 lbs dia.
marked S. 11 N. R. 22 E. S. 15 B. T.
a Juniper 8 in. dia. br. N. 8° E. 15 lbs. dist.
marked S. 11 N. R. 22 E. S. 11 B. T.
Land Rolling.
Good grass
Soil 3d rate
Plenty of Juniper brush

N. 11 N. R. 22 E.

chain

Plenty water in creek.

Cast on a random line, bet.

Secs. 11 & 14

Var. 13° 00' E.

over Rolling land

40.00 Set temporary 1/4 sec. cor.

65.85 Spring on line

79.73 Intersect N. & S. line 46 lbs

N. of cor. to Secs. 11, 12, 13 & 14

thence I run N. 89° 40' W.

on a true line bet. Secs. 11 & 14

with same on.

39.86 Set a post 4 ft. long 4 ins. sq.

with marked stone 12 ins. in the ground for 1/4 sec. cor. marked

1/4 S. on N. face, dug pits 18" x 18" x 12"

T. 11 N. R. 22 E.

chains

At W. of port $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around port.

79.73 The cor. to Secs. 10, 11, 14 & 15.

Land Rolling.

Good grass

Soil 3d rate,

Plenty of Juniper bark

North bet. Secs. 10 & 11.

Cor. 13° E.

ascend over Rolling ground

4000

Set a sandstone $18 \times 18 \times 4$

ins. 12 ins. in the ground,

for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$

on N. face, dug pits $18 \times 18 \times 2$

N. 11 N. R. 22 E.

chains

ius. West 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. from which

A quarter 8 ius. dia. br. N. 9° E. 130 lbs dist.
marked $\frac{1}{4}$ S. B. T.

A quarter 10 ius. dia. br. S. 47° W. 224 lbs dist.
marked $\frac{1}{4}$ S. B. T.

75.03 Cross Road to Snowflake corner
N. 47° W.

80.00 Set a sandstone $19 \times 10 \times 6$ ius.
12 ius in the ground, for cor.
to Secs. 2, 3, 10 & 11. marked
with 2 notches on E & 5 notches
on S. edges. and raised a
mound of stone alongside
Pits impracticable.
Sand Rolling.

T. 11 N. R. 22 E.

chains

Soil 2^d rate

Good grass.

Plenty of Juniper brush
Some Piñon Pine.

R. J. Baileys Ranch is in the
S. E. 1/4 of Sec. 10. at 20.15 chs
West and 9.62 North of sec
cor. to Secs. 10. 11. 14 & 15.

A fine Spring at 25.00 chs North
and 10.5 West. of same cor.

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

Cor. 13° 30' E.

Ascend

40.00 Set temporary 1/4 sec. cor.
43.13 Top of Ridge 150ft. high

S. 11 N. R. 22 E.

chains

brs N.S. descend

80.13 Intersect N.S. line 16 lks S.
of cor. to Secs. 1, 2, 11 & 12.

Thence run S. $89^{\circ} 54' W.$
on a true line bet. Secs. 2 & 11.
with same ra.

40.06 Set a Baralt stone $21 \times 13 \times 4$
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.

80.13 Ok cor. to Secs. 2, 3, 10 & 11.
Land Rolling & rocky
Soil 3^d rate
Some Juniper brush.

S. 11 N. R. 22 E.

Chain

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

Var. $13^{\circ}30' E.$

Ascend over Rolling land

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

80.10 Intersect N. By of Sp. 20
lks E. of cor. to Secs. 2, 3.

34 & 35. which is a

Basalt stone properly
notched with stone
mound alongside

Hence I run S. $9' E.$ on
a true line bet. Secs. 2 & 3.
with same va.

N. H. R. D., 22 E.

Chains

40.10

Set a Basalt stone $18 \times 12 \times 2$ ins. 12 ins. in the ground for $\frac{1}{4}$ sec. bor. marked $\frac{1}{4}$ on W. face and raised a mound of stone alongside, Pit imp-
racticable.

87.10

See bor. 4 Secs. 2. 3. 10×11
Land Rolling & Rocky
Soil 3^d rate
Scattering Juniper.

—
I carefully examined the
adjustments of my solar compass
to-day, particularly the
latitude and reversing
apparatus and found them
correct. Aug. 11. 1882.
—

N. 11 N. R. 22 E.

chains

From the cor. to Secs.
3. 4. 33 & 34. on S. By of
Sp. which is a Basalt
stone properly notched
with mound of stone
along side.

Thence I run North bet.
Secs. 33 & 34.

Var. $14^{\circ} 50' E.$

Ascend

39.14 divide 50 feet high br N. $30^{\circ} W.$

descend

4000 Set a Basalt stone $18 \times 14 \times 9$
ins. 12 ins. in the ground

S. 11 N. R. 22 E.

chains

for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on W. face, and raised a
mound of stone alongside
Pts impracticable.

8000 Set a Basalt stone $30 \times 16 \times 7$
ins. 22 ins. in the ground
for cor. to Secs. 27. 28. 33 & 34
marked with 3 notches on
E & 1 notch on S. edges,
and raised a mound of
stone alongside, Pts impracticable.

Sand rolling Hills
Soil 3^d rate
Juniper thickets.

East on a random line

S. 11 R. N. 22 E.

chains

bet. Secs. 27 & 34.

Var. $14^{\circ} 8'$

over Rolling Land

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

80.14 Intersect N.S. line 18th S.
of cor. to Secs. 26, 27, 34 & 35.

Thence I run S. $89^{\circ} 54'$ W. on
a true line bet. Secs. 27 & 34,
with same va.

40.07 Set a B asalt stone 15 x 9 x 3

ins. 10 ins. in the ground
for $1/4$ sec. cor. marked
 $1/4$ on N. face, and raised
a mound of stone along-
side. Pits impracticable.

80.14 The cor. to Secs. 27, 28, 33 & 34,

Land sloping West.

Soil 3rd rate

S. 11 N. R. 22 E.

chain

Some Guniper.

North bet. Secs. 27 & 28
Var. 14° E!

Descend

15.60 Cross draw 20ft. Deep curve
S! E. ascend

40.00 Set a Basalt stone 21.15 x 7
ins. 16 ins. in the ground
for $\frac{1}{4}$ sec. hor. Marked $\frac{1}{4}$
on N. face, and raised
a mound of stone along-
side Pit impracticable

41.00 Divide soft high to N. 80° W
descend

80.00 Set a Basalt stone 20 x 14 x 8
ins. 15 ins. in the ground,

N. 11 N. R. 22 E.

Chairs

for Cor. to Secs. 21. 22. 27 & 28
marked with 3 notches on
E & 2 notches on S edges.
and raised a mound of
stone alongside. Pits imp-
racticable.

Land Rolling & rocky,
Soil 3^d rate
Thickets of Juniper.

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

Cor. 14° 00' E.

Descend over Rolling Hills.

4000 Set temporary 1/4 sec. cor.

79.94 Intersect N. S. line 29 lbs

N. of Cor. to Secs. 22. 23. 26 & 27

S. 11 N. R. 22 E.

chains

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

39.97 Set a Basalt stone $14 \times 9 \times 7$
ins. 10 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
Pit impracticable.

79.94 The cor. to Secs. 21, 22, 27 & 28
Land Rolling & rocky
Soil 3^d rate
Thickets of Juniper.

North bet. Secs. 21 & 22

Cor. $14^{\circ} E.$

Described

S. 11 N. R. 22 E.

chains

- 20.60 Wash 10 lks wide, course S 70° E.
descend
- 35.00 Spur soft high brs E & W. & descend
gradually
- 40.00 Set a Basalt stone 27 + 13 + 8
ins. 20 ins. in the ground,
for 1/4 sec. cor. marked 1/4 on
N. face, and raised a mound
of stone alongside, Pits imp-
racticable.
- 55.00 Dry Wash 8 lks wide course
N. E & ascend
- 80.00 Set a Basalt stone 17 + 13 + 9
ins. 12 ins. in the ground
for Cor. to Secs. 15. 16. 21 + 22
marked with 3 notches on
E & S. edges, and raised
a mound of stone along-

S. 11 N. R. 22 E.

chain

side, Pits impracticable
Land Rolling Hills & rocky
grass fair
Soil 3^d rate.

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

Cor. $14^{\circ} 30' E$

Descend

26.00 Cross Wash 20 lbs wide, corner
N. W. ascending.

36.19 Top of spur to N. $57^{\circ} W$.
Descend

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

79.29 Intersect N. S. line 40 lbs
Top cor. to Secs. 14 & 15. 22 & 23.

Thence I run N. $89^{\circ} 43' W$.

S. 11 N. R. 22 E.

Chains

on a true line bet. Secs.

15 & 22, with same va.

39.65 Set a Basalt stone $18 \times 10 \times 3$ 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 alongside, Pits impracticable.

79.29 a line cor. to Secs. 15, 16, 21 & 22

Land Rolling Hills, & rocky
Grass Fair.

Soil 3^d rate.

North bet. Secs. 15 & 16.

Cor. $14^{\circ} 30' E!$

Descend

4000 Set a Basalt stone

S. 11 N. R. 22 E.

Chains

18 x 14 x 9 ins. 12 ins. in
the ground for 1/4 sec. cor.
marked 1/4 on N. face,
and raised a mound of
stone alongside, Pit imp-
racticable.

8000 Set a Basalt stone 19 x 13 x 8
ins. 13 ins. in the ground
for cor. to Secs. 9, 10, 15 & 16
marked with 3 notches on
E & 4 notches on S. edges,
and raised a mound of
stone alongside, Pit imp-
racticable,
Sand Rolling & rocky
Good grass, Soil 3' drab
Juniper and Scattering
Pine.

S. 11 N. R. 22 E.

- chains East on a random line
bet. Secs. 10 & 15.
Cor. $13^{\circ} 31' E$
- Descend
- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 41.10 Enter farm.
- 41.50 Cross creek 39 lbs wide
course N. curve turns N. E.
ascend gradually.
- 52.15 Leave farm
- 56.85 Cross Road course N. $40^{\circ} E$
- 80.10 Intersect. N. & S. line, 18 lbs
N. of cor. to Secs. 10, 11, 14 & 15.
Thence Iron N. $89^{\circ} 52' W$.
on a true line bet. Secs. 10 & 15.
with same va.
- 40.05 Set Basalt stone $24 \times 12 \times 4$
ins. 18 ins. in the ground

N. 11 N. R 22 E.

chains

for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N face, and raised a
round of stone alongside
Pits impracticable

80.10 The cor. to Secs. 9, 10. 15716.
West half broken then level.
Soil 2^d rate on hills & 1st
rate in creek bottom
Some scattering juniper brush.

North bet. Secs. 9 + 10.

Var. $13^{\circ} 31' E$

Descend

4000 Set a Basalt stone 23×18
 $\times 10$ ins. 18 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N face, and raised a

S. 11 N. R. 22 E.

chain

mound of stone alongside
Pit impracticable

67.74 Mouth of cave 8 ft. dia. &
10 ft. deep. 0.27 chs E of line.

88.00 Set a sandstone $24 \times 10 \times 6$ ins.
18 ins. in the ground for cor.
to Secs. 3. 4. 9 & 10. marked
with 3 notches on E & 5 notches
on S. edges, and raised a
mound of stone 4 ft. base
and 4 ft. high alongside.
Pit impracticable.
Land rolling & rocky.
Scattering Juniper
Soil 4th set
Poor Grass.

S. 11 T. R. 22 E.

chains

Start on a random line bet.
Secs. 3 & 10.

N. $13^{\circ} 24' E$.

descend over Rolling land

3.60 Silver Creek 24 lks wide, course
N. $87^{\circ} W$. descend

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

64.85 cross Road course N.S.

75.15 cross Snowflake road course
N. $50^{\circ} W$.

79.77 Intersect N.S. line 28 lks
S. of cor. to Secs. 2, 3, 10 & 11.

Thence run S. $89^{\circ} 48' W$.

on a true line, bet. Secs. 3 & 10
with same va.

39.88 Set a Bassett stone $16 \times 11 \times 3$
ins. 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on.

S. 11 N. R. 22 E.

chain

N. face and raised a mound
of stone alongside Pit imp-
racticable.

79.77 Pk cor. to Secs. 3, 4, 9 & 10.
Land slightly rolling
Soil 3^d rate
Scattering Juniper.

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

Var. $13^{\circ} 24' E.$

Descend

0.69 Silver creek 31 lks wide,
course N. $86^{\circ} W.$ ascend

15.00 Deposition 30 ft. high, to
N. $50^{\circ} W.$ descend.

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

S. 11 N. R 22 E.

2 lines

39.21

Intersect N. By of Township.
30 lks E of cor. to Secs. 3, 4, 33 & 34
which is a Basalt
stone properly notched
with mound of stone
alongside,

Thence I run S. 13' E. on
a true line bet. Secs. 3 & 4

Var. 13.° 24' E.

40.21

Set a Basalt stone 30 x 12 x 6 ins.
22 ins. in the ground, for 1/4
sec. cor. marked 1/4 on N.
face, and raised a mound
of stone alongside. Pit trap

S. 11 N. R. 22 E.

chains

rectifiable.

80.21 The cor. to Secs. 3, 4, 9 & 10.
Land Rolling Hills, & rocky
Soil 3^d rate,
Good grass.
Scattering Grumples.

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

Aug. 12. 1882.

From the cor. to Secs. 4, 5, 32 & 33. on S. 13th
of township which is a

B asalt stone properly
notched with bearing true properly
marked in N. W. sec.

S. 11 N. R. 22 E.

chains Thence from

North bet. Secs. 32 & 33

Var. $12^{\circ} 30' E$.

Descend

25.00 Sag 20 ft. deep. to N. 50° W. ascend

40.00 Set a Basalt stone $14 \times 12 \times 7$ ins.

10 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.

46.00 Spur 4 ft. high to N.

Descend gradually

77.25 Begin to ascend

80.00 Set a Basalt stone $20 \times 10 \times 8$ ins.

15 ins. in the ground for cor. to Secs. 28, 29, 32 & 33. marked with 4 notches on E. & 1 notch on S edge, and raised a mound of stone

N. 11 W. R. 22 E.

chains

alongside, Pits impracticable
 Land rolling & rocky
 Good grass.
 Soil 3^d rate
 Juniper.

Cast on a random line,
 bet. Secs. 28 & 33.

Var. 13° E!

Ascend gradually

25.25 Spur 25 ft. high to N. E. descent

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

79.88 Intersect N & S. line 11 lbs

N. of cor. to Secs. 27, 28, 33 & 34.

Thence I run N. $89^{\circ}55'$ W.
 on a true line bet. Secs.
 28 & 33. with same va.

S. 11 N. R. 22 E.

Lains

39.94 Set a Basalt stone $18 \times 11 \times 6$ 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 along side; Pit imp-
 racticable.

79.88 The cor. to Secs. 28, 29, 32 & 33.
 Land Rolling & rocky
 Soil 3rd rate
 good grass.

North bet. Secs. 28 & 29
 Var. 13° E.

Ascend gradually

4000 Set a Basalt stone $18 \times 10 \times 8$
 ins. 12 ins. in the ground
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$

S. 11 N. R. 22 E.

chains

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

57.92 Ridge 30ft. high fr N. W.
to S. E. descend gradually.

80.00 Set a Basalt stone 16x14x5
ins. 11 ins. in the ground
for cor. to Secs. 20. 21. 28+29
marked with 4 notches on E.
and 2 notches on S. edge.
and raised a mound of
stone alongside, from which
Juniperus div. div. br S. 23° W. 120 lbs diet.
marked S. 11 N. R. 22 E. S. 29. B. N.
No other tree within limits.
Land Rolling & rocky
Soil 3^d rate
Juniperus thickets.

S. 11 N. R. 22 E.

chain

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

Var. $13^{\circ} 31' E.$

Descend gradually

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

79.95 Intersect N & S. line 44 lbs

3' of cor. to Secs. 21, 22, 27 & 28

Thence run S. $89^{\circ} 41' W.$

on a true line bet. Secs. 21 & 28

with same va.

39.97 Set a Basalt stone $19 \times 13 \times 7$

ins. 13 ins. in the ground

for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$

on N face, and raised a

row of stone along

side, Pitt impracticable

79.95 The Cor. to Secs. 20, 21, 28 & 29

Land rolling & rocky

T. 11 N. R. 22 E.

chains

Soil 3^d rate
Juniper Thickets.

North bet. Secs. 20 & 21.

Var. $13^{\circ} 30' E.$

Ascend

- 4000 Set a Basalt stone, $25 \times 10 \times 7$
 ins. 18 ins. in the ground
 for $\frac{1}{4}$ sec. Cor. marked
 $\frac{1}{4}$ on W. face, and raised
 a rim of stone along
 side Pit impracticable
- 8000 Set a Basalt stone $20 \times 11 \times 7$
 ins. 15 ins. in the ground
 for Cor. to Secs. 16, 17, 20 & 21
 marked with 4 notches on E.
 and 3 notches on S. edges, and

Subdivision T. 11 N. R. 22 E. continued

chain

raised a mound of stone
alongside, Pit impracticable
on ridge 30 ft. high, which
to N. W.

Land Rocky
Soil 4th rate
dense growth of underbrush
Poor grass.

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

Var. 13° E.

Descend

4000 Set temporary 1/4 sec. cor
79.41 Intersect V.S. line 37th S.
of Cor. to Secs. 15, 16, 21 & 22
Thence from S. 89° 44' W. on a

P. 11 N. P. 22 E.

Chain

true line bet. Secs. 16 & 21
with same va.

- 39.70 Set a Bassalt stone $27 \times 10 \times 6$
ins. 20 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N face, and raised a
mound of stone alongside
from which *Juniper* 7 ins.
dia. to N. 49° E. 26 lbs. dist.
marked $\frac{1}{4}$ S. B. T.
Juniper 5 ins. dia. to N. 17° W. 16 lbs. dist.
marked $\frac{1}{4}$ S. B. T.

- 79.41 The Cor to Secs. 16. 17. 20 & 21
Land Rolling & rocky
Soil 3^d rate
Juniper Stickets.
-

S. 11 N. R. 22 E.

chain

North bet. Secs. 16 & 17
Var. 13° E.

Reocclud gradually from
corner

4000 Set a Basalt stone 20x20x6
ins. 15 ins. in the ground
for 1/4 sec. cor. marked 1/4
on W. face and raised a
mound of stone alongside
Pits impracticable

8000. Set a Basalt stone 18x10x10
ins. 12 ins. in the ground for
cor. to Secs. 8, 9, 16, & 17.
marked with 4 notches on
E & S. edges and raised
a mound of stone alongside
Pits impracticable.
Good grazing land

S. 11 N. R. 22 E.

chains

Soil 2^d rate
Juniper thickets, dense
undergrowth.

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

Var. $13^{\circ} 30' E$.

Descend gradually

10.00 Center of dry Basin 30ft
deep. brs N. W. and ascend

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

49.00 Top of Ridge 30ft. high brs
N. $61^{\circ} W.$ & descend

79.70 Intersect Trs. line 12 lks

N. of cor. to Secs. 9, 10, 15 & 16.

Thence from N. $89^{\circ} 55' W.$
on a true line bet. Secs.

T. 11 N. R. 22 E.

chains

9x16. with same va.

39.85 Set a Basalt stone 20x14x7 ins.
15 ins. in the ground for 1/4
sec. cor. marked 1/4 on N face
and raised a mound of stone
alongside, Pts impracticable

79.70 The cor. to Secs. 8, 9, 16 & 17
Land Rolling.
Soil 3^d rate
Good grazing.

North bet. Secs. 8 & 9.

Var. 13° 30' E!

Descend gradually

12.60 Dry Basin 4 ft. deep. to

N. W. and ascend gradually

40.00 Set a Basalt stone 20x8x8 ins

S. 11 N. R. 22 E.

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
 Pit impracticable

47.60 Top of Ridge to N. 80° W.
 descend

80.00 Set a Basalt stone $16 \times 13 \times 7$
 ins. 11 ins. in the ground
 for cor. to Secs. 4. 5. 8 & 9
 marked with 4 notches
 on E and 5 notches on S.
 edges, and raised a
 mound of stone along
 side Pit impracticable
 Land good grazing
 $5\frac{1}{2}$ w timber $9\frac{1}{2}$
 Juniper, Soil 3.9 rate

S. 11 N. R. 22 E.

chains

East on a random line
bet. Secs. 4 & 9.

Var. $12^{\circ}30' E$

Descend

46.00 Set temporary $\frac{1}{4}$ sec. cor.
80.31 Intersect N & S. line 16 lks S.
of cor. to Secs. 3, 4, 9 & 10.

Thence I run S. $89^{\circ}53' W$.
on a true line, bet. Secs. 4 & 9.
with same va.

40.15 Set a Basalt stone 23 x 8 x 6
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 along side
Pit impracticable.

80.31 N. cor. to Secs. 4, 5, 8 & 9.
Land Rolling & rocky.

N. 11 N. R. 22 E.

chains

Soil 3^d rate
 Good Grass
 Scattering Juniper.

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

Var. 12° 30' E.

Descend

- 4000 Set temporary 1/4 sec. cor.
 59.75 Cross Silver Creek 50 lks wide
 course N. 85° W. ascend
 gradually
 80.24 Intersect N. Ry of Sp.
 16 lks W. of cor. to Secs.
 4.5. 32 & 33. which is a
 Sandstone properly
 notched, with bearing

S. 11 N. R. 22 E.

chains

trees properly marked
in each sec.

House Iron S. 7' N. on a
true line, bet. Secs. 4 & 5.
with same va.

40.24 Set a Basalt stone 3 4 x 9 x 6
ins. 25 lbs. in the ground
for 1/4 sec. Cor. marked 1/4
on W. face, and raised a
mound of stone alongside
Pit impracticable.

80.24 The Cor. of Secs. 4, 5, 8 & 9.
Land Rolling & rocky
Soil 3^d rate
Scattering Juniper

J. H. R. R. 22 E.

chains

I carefully examined
the adjustments of my
Solar Compass today,
particularly the latitude
and reversing apparatus
and found them correct.

Aug. 13. 1882

From the cor. to Secs. 5. 6.
31 + 32 on S. By of Tp. which
is a Basalt stone, properly
notched, with stone mound
alongside, and bearing
trees properly marked
in N. E + N. W. Secs.

S. 11 N. R. 22 E.

chains

Thence Iron North bet.
Secs. 31 & 32Var. $13^{\circ}10' E$

Ascend gradually

2000 Ridge 80 ft. high to E. W.
descend4000 Set a Basalt stone $18 \times 10 \times 8$
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.8000 Set a Basalt stone $18 \times 12 \times 8$
ins. 12 ins. in the ground for
cor. to Secs. 29, 30, 31 & 32,
marked with 5 notches on
E & 1 notch on S. edge, and
raised a mound of stone

S. 11 N. R. 22 E.

chasus

alongside Pitt impracticable
 Sand almost level
 good grazing.
 Soil 3^d rate
 scattering Juniper.

East on a random line
 bet. Secs. 29 + 32.

Var. $13^{\circ} 30' E$

Descend

36.81 cross Wash 14 lbs wide,
 course N. $39^{\circ} W$. Ascend

40.00 Set temporary 1/4 sec. cor.

80.16 Intersect N.W. line 17 lbs
 N of cor. to Secs. 28, 29, 32, 33
 Thence run N. $89^{\circ} 53' W$.
 on a true line bet. Secs.

S. 11 N. R. 22 E.

chains

- 29 & 32. with same on.
 40.08 Set a Post. 4 ft. long 4 ins. sq.
 with marked stone 12 ins. in
 the ground, for 1/4 sec. cor.
 marked 1/4 S. on N. face, dug
 pits 18 x 18 x 12 ins. E & W. of
 post 5 1/2 ft. dist. and raised
 a mound of earth 1 1/2 ft. high
 3 1/2 ft. base around post.
 80.16 The cor. to Secs. 29 x 30. 31 x 32
 Land almost level
 Soil 2 d rate
 Good grazing
 Scattering Juniper

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

S. 11 N. R. 22 E.

chains

Var. $130^{\circ} 30' E$

Ascend gradually

37.60 Top of Ridge 30ft. high top

W. S. descend gradually

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

78.00 Intersect W. By of Sp. 17 lbs

S. of cor. to Secs. 25. 30. 31 + 36.

which is a $1/4$ sec. alt. it may properly watched, with the stone ^{marked} ~~marked~~ along

thence from $89^{\circ} 53' E$ on

a true line bet. Secs. 30 & 31

38.00 Set a Basalt stone $37 \times 33 \times 30$

ins. 27 ins. in the ground for

$1/4$ sec. cor. marked $1/4$ on

face, and raised a mound

of stone alongside Rite imp-

racticable.

78.00 The cor. to Secs. 29. 30. 31 + 32

Land Hilly & broken

soil 3^d rate

S. 11 N. R. 22 E.

chain

Bushy and dense undergrowth

North bet. Secs. 29 & 30

Var. $13^{\circ} 30' E.$

Descend gradually

38.00 cross wash 15ft. deep. course

W. and descend

40.00 Set a Basalt stone $25 \times 18 \times 7$

ins. 29 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 unpracticable.

80.00 Set a Basalt stone $20 \times 17 \times 10$

ins. 15 ins. in the ground
for Cor. to Secs. 19, 20, 29 & 30.
marked with 5 notches on

S. 11 N. R. 22 E.

chains

and 2 notches on Sedges,
and raised a mound of
stone alongside from which

Alum Pul. stms. dia. br. N. 70° E. 32 lbs. dia.
marked S. 11 N. R. 22 E. S. 20 B. P.

Juniper 24 ins. dia. br. S. 44° W. 25 lbs. dia. et.
marked S. 11 N. R. 22 E. S. 30 B. P.

Juniper 10 ins. dia. br. S. 63° E. 92 lbs. dia. et.
marked S. 11 N. R. 22 E. S. 29 B. P.

no other tree near

Land rolling.

Good grazing.

Soil 3^d rate

Scattering Juniper.

East on a random line bet.
Secs. 20 & 29.

S. 11 N. R. 22 E.

chains

Var. 13° E.

Ascend

46.00 Set temporary 1/4 sec. cor.

53.00 Low Hills to N.W. descend

79.90 Intersect N.W. line 11 lbs S.
of cor. to Secs. 20, 21 & 28 & 29.

Hence I run S. 89° 55' W. on
a true line bet. Secs. 20 & 29.
with same va.

39.95 Set a Basalt stone 20 x 12 x 5 ins.

15 ins. in the ground, for 1/4 sec.

cor. marked 1/4 on N face, and
raised a mound of stone along
side, Pit impracticable!

from which a Juniper
ovus. dia. br. N. 32° W. 14 lbs dist.
marked 1/4 S. B. T.

Altum Bone 20 ins. dia. br. S. 42° W. 14 lbs dist.

marked 1/4 S. B. T.

N. 11 W. R. 22 E.

chains
79.90

19, 20, 29 & 30

The corr. to Secs. 20 & 21. 28 & 29.
Land Rolling & rocky
Soil & Rate
Poor Grazing.
Juniper Thicket.

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

Var. 13° E.

descend

28.00 Leave timber

40.00 Set temporary 1/4 sec. cor.

77.90 Intersect N. By of P.B. 10
N. of cor. to Secs. 19, 24, 25 & 30
which is a Basalt stone
properly marked with
stone mound

S. 11 N. R. 22 E.

Chains

alongside

Thence I run N. $89^{\circ} 56' E.$
on a true line bet. Secs. 19 & 30.
with same or.

37.90 Set a Basalt stone $18 \times 14 \times 7$ 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
imperceptible.

77.90 The cor. to Secs. 19, 20, 29, 30.
Land Rolling, rocky
Soil 3^d rate
Good grass
heavy Undergrowth.

N. 11 W. R. 22 E.

chains

North bet. Secs. 19 + 20.
Var. 13° E!

Ascend gradually

4000 Set a Basalt stone 18 + 8 + 8 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, Rts impracticable

49.19 Top of Ridge bet N. 84° W.
Descend gradually

3000 Set a Basalt ^{stone} 20 + 10 + 8 ins.

15 ins in the ground, for cor. to Secs. 17. 18. 19 & 20. marked with 5 notches on E. & 3 notches on S. edges, and raised a mound of stone along side. Rts impracticable.

T. 11 N. R. 22 E.

chain

Land Rolling & rocky
Soil 3^d rate
Good grass.
Some Underbrush.

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

Var. 13° E.

Descend gradually

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

45.97 brogs West 10 lks wide, corner

N. W. and ascend

80.11 Intersect grad. line 7 lks

N of cor. to Secs. 16, 17, 20 & 21

Thence run N. $89^{\circ} 48' W.$

on a true line bet. Secs. 17 & 20

with same va.

S 11 N. R. 22 E.

- Chains
 40.05 Set a Basalt stone $18 \times 10 \times 8$
 12 ins. in the ground, for $1/4$
 Sec. cor. marked $1/4$ on N. face,
 and raised a mound of stone
 along side, Pitrimpracticabb.
 80.11 The cor. to Secs. 17, 18, 19 & 20.
 Land Rolling, & rocky
 Thick undergrowth & brush
 Grazing Poor.
 Soil 3^d rate.
-

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

Var. 13° E!

Ascend gradually

- 40.00 Set temporary $1/4$ sec. cor.
 47.00 Cross Ridge 20 ft high corner

T. 11 N. R. 22 E.

chain

N. 27° W. descend

77.83

Intersect W. By of Township.
2 1/2 lks N. of cor. to Secs. 13, 18, 19 & 24
which is a Basalt stone
properly marked, with
bearing trees properly marked
in N. E. & S. E. & S. W. secs.

Thence from N. 89° 51' W. on
a true line bet. Secs. 18 & 19.
with same ca.

37.83

Set a sandstone 20 x 8 x 6 ins. 15 ins
in the ground, for 1/4 sec. cor.
marked 1/4 on N. face, and
raised a mound of stone along

T. 11 N. R. 22 E.

chains

Pits impracticable

77.83

The cor. to Secs. 17. 18. 19 + 20.

Land good for grazing

Soil 3^d rate

Thickets of Gmripes

North bet. Secs. 17 + 18.

Var. 13° E!

Descend

24.27

cross Wash 15 lbs wide, course

N. 17° W. ascend

40.00

Set a Basalt stone 20 + 10 + 7

ins. 15 ins. in the ground, for

1/4 sec. cor. marked 1/4 on

N. face, and raised a mound

of stone alongside.

80.00

Set a Basalt stone 19 + 12 + 9 ins.

S. 11 N. R. 22 E.

Leino

13 ins. in the ground, for Cor. to
Secs. 7, 8, 17 & 18, marked with
5 notches on E. & 4 notches on
Sedges and raised a mound
of stone alongside, Pit imp
tractable, cor is on ridge
50 ft. high to N.W.
Land rough & rocky
Soil 3^d rate
Grass good
Thick juniper.

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

Var. $130^{\circ} 31' E$.

Descend gradually

4000

Set temporary $1/4$ sec. Cor.

S. 11 Twp. R. 22 E.

chains

79.61

Intersect N.S. line 17 lks S.
of cor. to Secs. 8, 9, 16 & 17.

Thence Iron S. $89^{\circ} 53' N$.
on a true line bet. Secs. 8 & 17
with same or

39.80

Set a Basalt stone $19 \times 18 \times 10$.

ins. 13 ins. into the ground,
for $\frac{1}{4}$ sec. cor. marked off
on N face, and raised a
mound of stone alongside,
Pits impracticable.

79.61

The cor. to Secs. 7, 8, 17 & 18.

Land Rocky

Some grass

Soil $\frac{1}{4}$ rate

Juniper

S. 11 W. R. 22 E'

chains

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

Var. $13^{\circ} 31' E'$

Descend gradually

13.20 cross Wash 16ft. deep. course
N. and ascend

32.40 cross Ridge 5ft. high to
W. descend

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

77.76 Intersect W. Ry of Sp. 31th
N. of cor. to Secs. 7, 12, 13 & 18:
which is a Basalt stone
properly notched
with rounded of stone
along side and bearing
trees properly marked
in S. W. & N. W. secos.

S. 11 N. R. 22 E.

chains

Thence Iron N. $89^{\circ} 47' 8''$
on a true line bet. Secs. 7 & 18
with same wa.

37.76 Set a Basalt stone $16 \times 8 \times 6$ 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. Pit
impracticable.

77.76 The cor. to Secs. 7, 8, 17 & 18.
Land rough & rocky
Soil 3^d rate
Good grass
Timber of juniper.

North bet. Secs. 7 & 8.

Var. $13^{\circ} 31' 8''$

S. 11 R. R. 22 E.

chain

over level country

4000 Set a Basalt stone 20x10x10
ins. 15 ins. in the ground for
1/4 sec. cor. marked 4 on
N. face, and raised a mound
of stone along side, Pit impracticable.

8000 Set a Basalt stone 20x16x5
ins. 15 ins. in the ground
for cor. to Secs. 5 & 6. 7 & 8.
marked with 5 notches
on E. S. edge, and raised
a mound of stone along
side, Pit impracticable
Good grazing.
Grass & Rickets.
Soil 3rd rate.

N. 11 N. R. 22 E.

chain

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

Cor. $13^{\circ}10' E!$

Ascend

27.81 Tip of spur 20 ft. high to
N. $13^{\circ} W.$ descend

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

54.31 cross Wash 11 lbs wide,
course N. $3^{\circ} E!$ ascend

71.15 Divide 40 ft. high to E. S.
Descend

80.14 Intersect N. S. line 39 lbs
S. of cor. to Secs. 4, 5, 8 & 9.
Thence run S. $89^{\circ}43' W.$
on a true line bet. Secs.
5 & 8. with same cor.

40.07 Set a Basalt stone $16 \times 9 \times 5$
ins. 11 ins. in the ground

S. 11 N. R. 22 E.

chains

for 1/4 sec. cor. marked 1/4
 on N. face, and raised
 a mound of stone, along with
 pits in perceptible form which
 a Guniper 7 lbs. dia. br. S. 88° E. 77 lbs. dist.
 marked 1/4 S. B. P.
 a Guniper 5 lbs. dia. br. S. 16° W. 50 lbs. dist.
 marked 1/4 S. B. P.

80. 14 The cor. to Secs. 5, 6, 7 & 8.
 Land Rolling.
 Soil rocky & 3^d oat
 Scattering Guniper
 Good grass.

West on a random line
 bet. Secs. 6 & 7.
 Var. N 3° 10' E

N. 11 W. R. 22 E.

Chain

Descend gradually

21.65 Dry wash 100 ft. deep. & ascend.

40.00 Set temporary 1/4 sec. cor.

71.00 Cross Ridge 77 ft. high S. W. N.
& descend

77.68 Intersect W. By of Sp.

21 lbs N. of cor. to Secs. 6 & 7
which is a Barabotom
properly marked with
mounds of stone
alongside

Hence from N. $89^{\circ} 51' 0''$
on a true line bet. Secs.
6 & 7. with same or

S. 112. R. 22 E.

chains

37.68 Set a Basalt stone 20 x 16 x 8
ins. 15 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N. face, and raised a
summit of stone along side
Pit's unpracticable.

47.68 The cor. to Sec. 5 & 6. 7 & 8.
Land rough & Rocky
some growth of Juniper
Soil 3^d oak
Grazing good.

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

Cor. 13° 18' E.

Ascend

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

P. 11 In P. 22 E.

chain

63.14 Low Ridge Ins N. 44° W.
and descend

80.60 Intersect N. By of P.B.
68 lbs N. of cor. to Secs. 5 & 6.
31 & 32. which is a
Basalt stone, properly
notched, with mound
of stone alongside,

Thence I run S. 29° W.
on a true line bet. Secs. 5 & 6.
with same or

40.60 Set a Basalt stone 18 × 10 × 7
ins. 12 ins. on the ground
for 1/4 sec. cor. marked
1/4 on N. face, and raised

S. 11 N. R. 22 E.

chains

a mound of stone alongside
Pit impracticable.

80.60 The Cor. to Secs. 5, 6, 7 & 8.
Land Rolling hills.

Good grass

Soil 4th rate

Scattering Juniper

I carefully examined the
adjustments of my Solar
compass to day, particul-
arly the latitude and
reversing apparatus,
and found them correct.
Aug. 14, 1882.

U. S. Surveyor General's Office,
Tucson, Arizona, February 7, 1883,

The foregoing Field Notes of the survey of

Subdivision Lines,

of Township 11 North,

Range 22 East,

of the Gila and Salt River Base and Meridian, Arizona,
executed by C. W. Wheeler,

D. S., under his contract of the 31st day of
May, 1882, 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. Coffin
Surveyor General.