

No - 214

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

-OF-

Township *15 N* Range *29 E*

Gila and Salt River Base and Meridian

ARIZONA.

By *Milton Santee* D. S.

under contract dated *Apr 29* 1882

Survey commenced *July 31* 1882
at 4

Survey completed *Aug 5* 1882

No - 214

Camp

214

No-214

Field - Notes
ofTownship 15 N. Range
29 E.

By Milton Sauter

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Township *15 N.*
 Range *29 E*
Gila and Salt River Meridians

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Gila and Salt River, Arizona.

ARIZONA.

No-214

Subdivisions T. 15 N. R. 29 E.

Gila & Salt River Meridian

chain

Survey commenced July 31
1882. with a Burt's Patent
Improved Solar Compass,
nearly new, and in first
rate order, Made by
Otto Reumel of Cassel
Germany in 1881.

From the corner to Secs. 1. 2
35 & 36 on South Boundary,
of township, which is a
Sandstone set firmly in the
ground, marked with 1 notch
on E. and 5 notches on N.
edges, with pts 18 & 12 in.
in each Sec. 5/8 ft. dist. with
mound of earth 2 ft. high

Subdivision T. 15 N. R. 29 E

chains

4½ ft. base alongside,
 Thence 2 mi
 north bet. Secs. 35 & 36

Var. 14° 05' E!

ascend through timber

4000

Set a post 3 ft. long 3 ins. dia.
 with marked stone 12 ins.
 in the ground, for ¼ sec. cor.

marked ¼ S. on N. face,
 dug pits 18 × 18 × 12 ins. N. & S.
 of post 5½ ft. dist. and raised
 a mound of earth 1½ ft. high
 3½ ft. base around post.

7400

Leave timber by E & N. and
 to top of Ridge by E & N. + 60 ft
 and descend

8000

Set a post 4 ft. long, 4 ins. sq.
 with marked stone, 12

Subdivision T. N. R. 29 E.

chains

ins. in the ground, for cor.
 to Secs. 25, 26, 35 & 36, marked
 S. 15 N. S. 25. on N. E.
 R 29 E. S. 36 on S. E.
 S. 35 on S. W. and
 S. 26 on N. W. faces with
 notch on E & 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.
 Land mountainous
 Soil 2^d rate
 Timber of Cedar.
 Vegetation, PUNCHGRASS &
 Sagebrush.

Subdivision Sp. 15 N. R. 29. E

chains

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

Var. 14° E.

Mesceud

4000 Set temporary $1/4$ Sec. cor
79.94 Intersect C. B. of Taps 13 lbs
N of cor. to secs. 25, 30, 31 & 36
which is a prot. 4 in. sq.

set firmly in mound of earth,
marked, S. 15 N. S. 30 on N. E.
R. 30 E. S. 31 on S. E.

R. 29 E. S. 36 on S. W. and
S. 25 on N. W. faces, with 5
notches on N. and 1 notch
on S. edges, with pits $18 \times 18 \times 10$
in. in each Sec. $5/2$ ft. dist.

Thence I run

N. $89^{\circ} 54'$ W. on a true line,

Subdivision Sp 15 N. R. 29 E

chains

bet. Secs. 25 & 26

Var. 14° 05' E.

39.97 Set a Sandstone 10x10x5 ins.

Yins. in the ground, for $\frac{1}{4}$
 Sec. cor. marked $\frac{1}{4}$ on N. face,
 dug pits 18x18x12 ins. E & W
 of stone $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

79.94 The corner to Secs. 25, 26, 35, 36

Land rolling

Soil 2^d rateVegetation, Bunch grass &
Sagebrush.

North bet. Secs 25 & 26.

Var. 14° E.

Subdivision T. 15 N. R. 29 E

chain

Descend gradually

40.00 Set a post 2 ft. long, 3 ins. dia. with marked stone 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on W. face, dug pits $18 \times 18 \times 12$ ins. N & 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.

59.25 Cross Wash 15 lbs wide corner N. W. and ascend 150 ft.

80.00 Set a post 4 ft. long, 4 ins. sq. with marked stone 12 ins. in the ground, for cor. to Secs. 23, 24, 25, & 26. marked
 S. 15 N. S. 24 on N. E.
 R. 29 E. S. 25 on S. E.
 S. 26 on S. W. and

Subdivision Sp. N. R. 29. E

chain

S. 23 on N. W. face, with 1
notch on E. and 2 notches
on S. edges, dug pits 18" x 18" x 2"
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

Soil 2d rate

Vegetation, Rough grass
degrebrush.

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

Var. 14° E!

Desced gradually

2000 Cross Gulch. 15 lbs wide

Subdivision Sp 15 A.R. 09 E

chains

course N. W. and ascend
 4000 Set temporary $\frac{1}{4}$ Sec. cor.
 79.77 Intersect E. B. of Sp. 4
 lks S. of cor. to Secs. 19, 24, 25 & 30
 which is a post 4 in. sq. set
 firmly in mound of earth
 marked

R. 15 N. S. 19 on N. E.

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

R 29 E. S. 25 on S.W. and
 S. 24 on N. W. faces. with
 4 notches on N. and 2 notches
 on S. edges, ^{with} dug pits 18 x 18 x 12
 ins. in each sec. 5' ft. dist.

Phenel Iron.

S 89° 58' W. on a true line,
 bet Secs. 24 & 25.

Var. 14° 05' E.

Subdivision T. 15 N. R. 29 E.

Chains

- 39.89 Set a post 2 ft long, 2 ins. dia. with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on N. face, dug pits $18 \times 18 + 12$ ins. Ex 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.
- 79.77 The corner to Secs. 23, 24, 25 & 26
 Land rolling
 Soil 2d rate
 Vegetation, Bunchgrass,
 & Sagebrush.
-

North between Secs. 23 & 24
 Var. 14° E.
 Ascend.

Subdivision Sp 15 N.R. 30 E

- chains
 12.00 Top of Spur brs N. W. & S. E. + 40 ft
 and descend
- 40.00 Set a Flint stone 10 x 10 x 8 ins.
 4 ins. in the ground, for 1/4
 Sec. cor., marked 1/4 on W.
 face, dug pits 18 x 18 x 12 ins.
 N & S. of stone 5 1/2 ft. dist. and
 raised a mound of earth 1 1/2
 ft. high, 3 1/2 ft. base alongside.
- 80.00 Set a Sandstone 14 x 12 x 4 ins.
 9 ins. in the ground for cor. to
 Secs. 13.14. 23 x 24 marked
 with 3 notches on S. and 1
 notch on E. 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

Subdivision Sp 15 N. R. 29. E

chain

Land mountainous
 Soil 2d. rate
 vegetation, Bunch grass &
 Sagebrush.

East, on a random line
 bet. Secs. 13 & 24

Var. $14^{\circ} 10' E$.

Descend

7.65 cross Wash, 8 lks wide curve
 N. and ascend.

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

80.16 Intersect E. B. of Sp. 18
 lks S. of cor. to Secs. 13, 18, 19 & 24
 which is a Sandstone ~~set~~ firmly
 in the ground, marked
 with 3 notches on N & S. edges,

Subdivision Sp 15 N. R. 29 E

chains

with pits $18 \times 18 \times 12$ ins. in
each Sec. $5\frac{1}{2}$ ft. dist.
with mound of earth
along side. Thence Iron
S. $89^{\circ} 52'$ W. on a true line,
bet. Secs. 13 & 24

Var. $14^{\circ} 10' E.$

4008 Set a Sandstone $12 \times 8 \times 8$
ins. 8 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$
on N. face, dug pits 18×18
 $\times 12$ ins. $5\frac{1}{2}$ ft. 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.

80.16 The corner to Secs. 13. 14
23 & 24.

Land rolling

Subdivision Sp 15 N.R. 29 E

chain

Soil 2d rate
 Vegetation, Bunch grass
 & Sagebrush.

North bet. Secs. 13 & 14

Var. 14° 10' E.

Ascend

13.43 Cross Wash, 10 lks wide, course
 W. and ascend.

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

Subdivision Sp 15 N R. 29 E

50.00 Enter Luni Valley br. N. 70° E.
and S. 70° W.

80.00 Set a Sandstone 12 x 10 x 8 ins.

8 ins. in the ground for Cor
to Secs. 11, 12, 13 & 14 marked
with 1 notch on E edge
and 4 notches on 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 alongside
land level & rolling

Soil 2d rate

Vegetation, Bunchgrass &
Sagebrush.

Subdivision Sp 15 N. R. 29 E

chain

Cast on a random line,
bet. Secs. 12 & 13.

Var. $14^{\circ} 15' E.$

Ascending gradually
across Luni Valley

40.00 Set temporary $\frac{1}{4}$ Sec. cor.
79.87 Intersect E. B. of Sp. 29 lks
S. of cor. to secs. 7, 12, 13 & 18.
from which corner I run
S. $89^{\circ} 48' W.$ on a true line
bet. sections 12 & 13.

Var. $14^{\circ} 20' E.$

39.94 Set a Sandstone 1579×5 ins.
18 ins. in the ground, for $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on N face
and pits $18 \times 18 \times 12$ ins. E & W.
of stone $5\frac{1}{2}$ ft. dist. and
raised a mound of earth

Division of 15 N. R. 29. E

chain 1 1/2 ft. high. 3 1/2 ft. base alongside.
 49.87 The corner to sec. 11. 12. 13 & 14
 Land rolling
 Soil 2d rate
 Vegetation, Bunchgrass &
 Sagebrush!

North, bet. Secs. 11 & 12
 Var. 14° 15' E

Descend gradually
 37.56 cross Wash 6 ft wide course
 N. and ascend

40.00 Set a Sandstone 12 x 10 x 7 ins.
 8 ins. in the ground, for 1/4
 Sec. cor. marked 1/4 on N.
 face, dug pits 18 x 18 x 12 ins.
 N. & S. of stone 5 1/2 ft. dist.

Subdivisions Sp 15 N. R. 29. E

chains.

and raised a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.
 80.00 Set apart 4 ft. long, 4 ins. sq.
 with marked stone, 12 ins. in
 the ground, for cor. to Secs.
 1.2. 11 & 12. marked
 N. 15 N. S. 1. on N. E.
 R. 29 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 in.
 ins. in each sec. $5\frac{1}{2}$ ft. dist.
 and raised a mound of earth
 $2\frac{1}{2}$ ft. high, $4\frac{1}{2}$ ft. base around
 post.
 Land rolling
 Soil 2d rate

Subdivision Sp. 15 N. R. 29 E

Chairs

Vegetation, Ryegrass
Sagebrush.

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

Var. 14° 15' E.

Ascend gradually

4000 Set temporary 1/4 sec. cor.
49.91 Intersect E. B. of Sp. 18 lbs
N. of cor. to secs. 1, 6, 7 & 12,
which is a Basalt stone
set firmly in the ground,
marked with 1 notch on
N. and 5 notches on S. edge,
with pits 18 x 18 x 12 ins. in
each sec. 5 1/2 ft. dist. with
mound of earth alongside

Subdivision Sp. 15 N. R. 29 E.

Chains

Theucel Iron

N. $89^{\circ} 52' W.$ on a true line
bet. Secs. 1 & 12.Var. $14^{\circ} 15' E.$

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

79.91 The cor. to Secs. 1, 2, 11 & 12
Land rolling.
Soil 2d. rate
Vegetation, Bunchgrass &
Sagebrush.

Subdivision Sp 15 N. R. 29 E

chains

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

Var. $14^{\circ}15' E$

Descend gradually.

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

57.32 Cross Wash, 8 lks wide course
S. $82^{\circ} W$. and ascend.

79.97 Intersect h.P. of Sp. 17 lks
W. of cor. to Secs. 1, 2, 35 & 36
which is a Sandstone set firmly
in the ground, marked with
1 notch on E. and 5 notches
on W. edges, with pits 18x18x12
ins. in each sec. 5 $\frac{1}{2}$ ft. dist.
with mound of earth along
side. Thence Iron
S. $7^{\circ} W$. on a true line, bet.
Secs 1 & 2.

Subdivision Sp 15 N. R. 29 E.

chains

Var. $14^{\circ} 05' E$.

39.97 Set a Sandstone $14 + 9 + 3$ ins.
 9 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 alongside.

49.97 The corner to Secs. 1, 2, 11 & 12
 land rolling.
 Soil 2^d rate
 Vegetation, Bunchgrass
 Sagebrush.

July 31. 1882

Subdivision of 15 N.R. 29 E.

chains

From the cor. to Secs. 2, 3,
34 & 35. on South Bound-
ary of township, which
is a Post 4 ins. sq. set firmly
in mound of earth, marked
N. 15 N. S. 35 on N. E.
R. 29 E. S. 2 on S. E.
N. 14 N. S. 3 on S. W. and
S. 34 on N. W. faces. with
2 notches on E. and 4 notches
on W. edges. with pits 18 & 18 1/2
ins. in each sec. 5/8 ft. dist.

Thence from
North bet. Secs. 34 & 35.
Var. $14^{\circ} 10' E.$

Ascend

4000 Set a post 3 ft. long. 3 ins. dia
with marked stone 12 ins. dia

Subdivision Sp 15 N. R. 29 E

Chains.

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

69.00 Top of Ridge, to E & W.
 and descend.

80.00 Set a Sandstone $14 \times 14 \times 12$ ins.
 9 ins. in the ground for cor.
 to Secs. 26, 27, 34 & 35. marked
 with 1 notch on S. and 2 notches
 on E. edges, dug pits $18 \times 18 \times 12$
 ins. in each sec., $5\frac{1}{2}$ ft. dist.
 and raised a mound of earth
 2 ft. high, $4\frac{1}{2}$ ft. base, alongside.
 Land mountainous.
 Soil 2d rate.

Subdivision Sp 15 - N. R. 29 E

cheius

Number of Cedar
Vegetation, Bunchgrass,
Sagebrush.

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

Var. $14^{\circ} 15' E$.

Ascend gradually

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

55.00 Ascend abruptly.

69.10 Top of spur, br. N + S. + 70ft.
and descend.

80.21 Intersect N + S. line 11 lbs N.
of cor. to secs. 25, 26, 35 & 36.
from which corner I run
N. $89^{\circ} 55' W$. on a true line,
bet. Secs. 26 & 35.

Subdivision Sp 15 N. R. 29 E

chains

Var. 14° E!

- 40.11 Set a post 3ft. long, 2ins. dia. with marked stone 12ins. 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. E & W. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post.
- 80.21 The corner to Secs. 26.27.34 & 35. Land mountainous.
Soil 2^d rate
Vegetation, Bunchgrass & Sagebrush.
-

Subdivision Sp 15 N. R 29 E.

chains

North. bet. Secs. 26 & 27
Var. $14^{\circ} 15' E.$

Resceud.

9.00 Leave timber, bro E & W.

4.000 Set apart 3 ft. long, 3 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 $18 \times 18 \times 12$ ins. N & S. of
post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. base around post.80.000 Set apart 4 ft. long, 4 ins. sq.
with marked stone, 12 ins. in
the ground, for cor. to secs.
22. 23. 26. & 27. marked
N. 15 N. S. 23. on N. E.
R. 29 E. S. 26 on S. E.

Subdivision Sp 15 N.R. 29 E

chain

S. 27 on S. W. and S. 22 on N.W. faces, with 2 notches on Ex S. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base around post.

Land rolling

Soil 2d rate

Vegetation of Bunchgrass
& Sagebrush.

Cast, on a random line bet.
Secs. 23 & 26.

Var. $14^{\circ} 10'$ E.

Ascend gradually

8.00 Top of Spur, bet. N.W. & S. E. +140 ft
and descended.

Subdivision Tp 15 N. R. 29 E

- chains
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 61.58 Cross Wash. 5 lks wide, course
N. W. and ascend
- 80.06 Intersect N + S. line 9 lks S. of
cor. to secs. 23. 24. 25 & 26 from
which cor. I run
S. $89^{\circ} 56' W.$ on a true line,
bet. secs. 23 & 26.
- Var. $14^{\circ} E.$
- 40.03 Set a Sandstone $16 \times 8 \times 6$ ins.
qms. 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 $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base, alongside
- 80.06 The corner to secs. 22. 23. 26 & 27.
Land rolling.

Subdivisions, Sp 15 N. R. 29 E

chains

Soil 2^d rate
 Vegetation, Bunch grass &
 Sagebrush.

North bet. Secs. 22 & 23.

Var. $14^{\circ} 10' E.$

Descend

18.12 Cross Wash 5 lks wide, course
 N. $7^{\circ} W.$ - 10 ft.

46.00 Set a Basalt stone $10 \times 8 \times 6$ ins.
 7 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.

52.50 Cross Wash 15 lks wide course

Subdivision Sp 15 N. R. 29 E

chains

N. 25° W. - 10ft.

8000

Set a Sandstone 13 x 11 x 6 ins.
 9 ins. in the ground, for Cor. to
 Secs. 14, 15, 22 x 23. marked
 with 3 notches on S. and 2 notches
 on E. edges. dug pits 18 x 18 x 12
 ins. in each sec. 5 1/2 ft. dist.
 and raised a mound of earth
 2ft high 4 1/2 ft. base along side.
 Land rolling.

Soil 2^d rate

Vegetation, Bunchgrass
 Sagebrush.

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

Var. 14° 05' E.

Subdivision Tp 15 N. R. 29 E

chains

Ascend

38.50 Top of spur, to N. W x S E + 100 ft
and descend.

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

79.72 Intersect Grad. line 15 lbs N. of
cor. to Secs. 13, 14, 23 x 24. from
which corner I run.

N. $89^{\circ} 54'$ W. on a true line
bet. Secs. 14 x 23.

Var. $14^{\circ} 10'$ E.

39.86 Set a Sandstone $14 \times 12 \times 8$ ins.
9 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. Et 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.

Subdivision Sp 15 N. R. 29 E

Chains

79.72 The Cor. to Secs. 14, 15, 22 & 23
 Land mountainous
 Soil 3^d rate
 Timber of cedar
 Vegetation, Bunchgrass &
 Sagebrush.

North bet. Secs. 14 & 15:
 Var. $14^{\circ} 05' E$.

Ascend

17.70 Cross Wash 10 lks wide, come
 W. 10 ft and ascend

4000 Set a Basalt stone $16 \times 13 \times 5$
 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.

Subdivision Sp. 15 N. R. 29 E

chains

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 Basalt stone $12 \times 11 \times 8$ ins. in the ground for Cor. to Secs. 10. 11. 14 & 15. marked with 4 notches on S. and 2 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base along side.

Land rolling.

Soil 2d rate

Vegetation, Bunch grass & Sagebrush.

Subdivision Twp 15 N. R. 29 E

chains

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

Var. 14° E.

Ascend gradually

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

80.13 Intersect N. & S. line, 27 lks

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

N. $89^{\circ} 48'$ W. on a true line,
bet. Secs. 11 & 14

Var. $14^{\circ} 15'$ E.

40.07 Set a Sandstone $18 \times 18 \times 10$ 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 $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

Subdivision Twp 15 N. R. 29 E

chains

80.13

The Cor. to Secs. 10. 11. 14 & 15.
 Land rolling
 Soil 2^d rate
 Vegetation, Bunchgrass &
 Sagebrush.

North bet. Secs. 10 & 11

Var. 14° E.

Ascend

10.00

Top of Ridge, br. N. 80° E. &
S. 80° W. and descend

23.25

Cross Wash 6 lks wide, course
S. 80° W. -

39.10

Cross Wash, 5 lks wide course
West -

40.00

Set a Basalt stone 18 x 15 x 13
ins. 12 ins. in the ground

Subdivision T_p 15 N. R. 29 E

chains

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 $14 \times 11 \times 7$
 ins. 9 ins. in the ground, for
 cor. to Secs. 2, 3, 10 & 11 marked
 with 5 notches on S. and 2
 notches on E. edges. dug pits
 $18 \times 18 \times 12$ ins. in each sec.
 $5\frac{1}{2}$ ft. dist. and raised a
 mound of earth 2 ft high
 $4\frac{1}{2}$ ft. base, alongside.
 Land mountainous
 Soil 2^d rate

Vegetation, Bunchgrass & Sagebrush.

Subdivision Sp 15 N. R. 29 E

chains

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

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

Ascend gradually

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.84 Intersect N & S. line 17 lks.

S. of cor. to secs. 1, 2, 11 & 12
from which corner. Run
S. $89^{\circ} 53' W$. on a true line,
bet. Secs. 2 & 11.

Var. $14^{\circ} 15' E$.

39.92 Set a sandstone $12 \times 8 \times 7$ ins.

8 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 $5\frac{1}{2}$ ft.

dist. and raised a mound

of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft.

Subdivision Sp 15 - N. R. 29 E

chains

base, alongside.

79.84 The cor. to secs. 2, 3, 10 & 11

Land rolling.

Soil 2^d rate

Vegetation, Punch grass

Seget. rush.

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

Var. 14° E!

Descend

40.00 Set temporary 1/4 sec. cor.

47.00 Enter Luni Valley br. N. E.
and S. W.

48.05 Cross Luni River 50 lbs wide
course S. 65° W.

61.83 Cross Road, to St. Wengate

Subdivision Sp 15 N. R. 29 E

Chains

bn. E & W.

73.90 Cross Wash 16 lks wide, corner E
 80.35 Intersect N. B. of Sp. 29 lks W.
 of cor. to secs. 2, 3, 34 & 35,
 which is a Basalt stone set
 firmly in the ground, marked
 with 2 notches on E and 4 notches
 on W. edges. with pits 18 x 18 x 12
 ins. in each sec. 5 1/2 ft. dist.
 with mound of earth 2 ft. high,
 4 1/2 ft. base alongside
 Thence I run

S 0° 12' W. on a true line,
 bet. Secs. 2 & 3.

Var. 14° 05' E.

40.35 Set a Sandstone 12 x 10 x 8 ins.
 8 ins. in the ground, for 1/4 Sec.
 Cor. marked 1/4 on W. face

Subdivision. Tp 15 N. R. 29 E

chains

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.

80.35 The corner to Secs. 2, 3, 10 & 11
Land level & rolling.
Soil 2^d. rate.

Vegetation, Bunchgrass &
Sagebrush.

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

Aug. 1st 1882.

Subdivision Tp 15 N. R. 29 E

chains

From the Cor. to Secs. 34.
33 & 34. on S. By of Township.
which is a Post 4 ins. sq. set
firmly in earth mound,
marked

P. 15 N. S. 34 on N. E.

R. 29 E. S. 3. on S. E.

P. 14 N. S. 4 on S. W. and
S. 33. on N. W. faces. with
3 notches on E & W edges, with
pits 18 x 18 x 12 ins. in each
sec. 5/2 ft. dist.

Thence I run.

North bet. Secs. 33 & 34

Var. 14° 10' E.

Ascend

40.00

Set a post 2 ft. long, 3 ins. dia.
with marked stoul, 12 ins.

Subdivision Sp 15 N. R. 29 E

Chairs

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

68.70 Cross Wash, 10 lks wide, comes
W. and ascend.

80.00 Set a Boulder stone $10 \times 10 \times 7$ ins.
7 ins. in the ground, for
cor. to Secs. 27, 28, 33 + 34
marked with 3 notches on E.
and 1 notch on S. edges.
dug pits $18 \times 18 \times 12$ ins. in
each Sec. $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
2 ft. high, $4\frac{1}{2}$ ft. base alongside.

Subdivision. Sp 15 N. R. 29 E

chains

Land rolling.

Soil 2d. rate

Vegetation, Bunchgrass & Sage-
brush.

 East on a random line, bet.
Secs. 27 & 34.
Var. $14^{\circ}10' E'$

ascend.

40.00 Set temporary $\frac{1}{4}$ sec. cor.66.00 Top of ridge, brs N. $65^{\circ} W.$ &
S. $65^{\circ} E.$ + 30 ft. and ascend80.14 Intersect N & S. line 16 lks S.
of cor. to Secs. 26, 27, 34 & 35,
from which comes Iron
S. $89^{\circ}53' W.$ on a true line
bet. Secs. 27 & 34.

Subdivision Sp 15 N. R 29 E

chains

Var. $14^{\circ} 15' E$

40.07 Set a post 3 ft. long 3 ins. dia.
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. E. W. of
post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around
post.

80.14 The cor. to Secs. 27.28.33 & 34.

Land mountainous.

Soil 2^d rate

Timber of cedar

Vegetation, Bunchgrass &
Sagebrush.

Subdivision Sp 15 N.R. 29 E

chains

North bet. Secs. 27 & 28

Var. $14^{\circ} 10' E!$

Ascend

17.00 Top of ridge, br. N. $35^{\circ} W.$ + S. $35^{\circ} E.$ + 140 ft. and descend.40.00 Set a post 3 ft. long, 3 ins. dia.
with marked stone, 12 ins.in the ground, for $\frac{1}{4}$ sec.Cor. marked $\frac{1}{4} S.$ on W. face
dug pits $18 \times 18 \times 12$ ins. N & S,of post $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
around post.

80.00 Set a post 4 ft. long, 4 ins.

sq. with marked stone 12
ins. in the ground, for cor

to Secs. 21, 22, 27 & 28

Subdivision Sp 15 N.R. 29E

chains

marked

D. 15 N. S. 22 on N. E.

R 29 E. S. 27 on S. E.

S. 28 on S. W. and

S. 21 on N. W. faces, with
3 notches on E. and 2 notches
on S. edges. dug pits 18x18x12
in. 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 mountainous

Soil 2^d rate

Timber of Cedar

Vegetation, Bunch grass &

Sagebrush.

Subdivision Sp 15 N. R. 29 E

chains

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

Var. $14^{\circ}10'E$

Descend gradually through
timber

6.00 Leave timber, br. N. W & S. E.

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

79.99 Intersect N & S. line 7 lks

S. of cor. to secs. 22.23.26 & 27
from which corner, run
S. $89^{\circ}57'W$. on a true line,
bet. Secs. 22 & 27.

Var $14^{\circ}10'E$

40.00 Set a Boulder stone $12 \times 10 \times 5$ ins.

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

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

dig pits $18 \times 18 \times 12$ ins. E & W.
of stone $5\frac{1}{2}$ ft. dist. and raised.

Subdivision Sp. 15 N. R. 27 E

Chain

a mound of earth $1\frac{1}{2}$ ft. high,
3' ft. base alongside.

79.99 The corner to Secs. 21, 22, 27 & 28.

Land rolling.

Soil 2d rate

Timber of cedar

Vegetation, bunch grass
Sagebrush.

North bet. Secs. 21 & 22.

Var. $14^{\circ} 10' E$

Descend gradually

40.00 Set apart 3 ft. long, 3 in. g.
with marked stone 12 in.
in the ground for $\frac{1}{4}$ sec.
Cor. marked $\frac{1}{4}$ S. on N.
face, dug pits 18 & 18 & 12

Subdivision Sp 15 N. R. 29 E

chains

ius. 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.

73.95 Cross Wash 20 lks wide, course
S. 80° W. and ascend.

80.00 Set a Sandstone $17 \times 8 \times 8$ ius.
11 ius. in the ground for cor.
to Secs. 15, 16, 21 & 22 marked
with 3 notches on S. and
E. edges. dug pits $18 \times 18 \times$
 12 ius. 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 rolling & level

Soil 1st & 2^d rate

Vegetation, Bunchgrass &
Sagebrush.

Subdivision. Sp 15 N. R. 29 E

Chain

East, on a random line, bet.
Secs. 15 & 22.Var. $14^{\circ} 10' E$.

over level land

6.80 cross Wash, 20 lks wide course
S. $75^{\circ} W$. - 10 ft

16.80 cross Wash 20 lks wide course N. W. - 10 ft

33.75 cross Wash 20 lks wide course S. $65^{\circ} W$ - 10 ft40.00 Set temporary $\frac{1}{4}$ Sec. cor.42.85 cross Wash 20 lks wide course S. $75^{\circ} W$. - 10 ft

47.90 cross Wash 20 lks wide course N. W. - 10 ft.

79.81 Intersect N & S. line 28 lks U.

of cor. to secs. 14, 15, 22 & 23.

from which corner, run

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

bet. Secs. 15 & 22.

Var. $14^{\circ} 05' E$.

39.91 Set a Sandstone 18 x 13 x 12 ins.

Subdivision Sp 15 N.R. 29 E

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. E & W.
 of stone $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth
 $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft. base alongside

79.81 The cor. to Secs. 15-16. 21 & 22.

Land level

Soil 1st rateVegetation, Bunchgrass &
Sagebrush.

North bet. Secs. 15 & 16

Var. $14^{\circ} 10' E$.

Over level land Luni Valley

8.25 Cross Luni River, 30 lks wide,
come N. $80^{\circ} W$.

Subdivision T_p 15 N. R. 29 E.

Chains

15.20 Cross Road, to Pt. Wingate
to N. E. + S. W.

4.000 Set a post 3 ft. long, 3 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. N. & S.
of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. base around
post.

80.000 Set a post 4 ft. long, 4 ins.
square with marked stone
12 ins. in the ground, for
cor. to Secs. 9, 10, 15 & 16
marked S. 15 N. S. 10 on N. E.
R. 29 E. S. 15 on S. E.
S. 16 on S. W. and

Subdivision, Sp 15 N. R. 29. E

chain

S. g on N. W. faces. with
3 notches on E & 4 notches
on S. edges, dug pits $18 \times 18 \times 12$
ins. in each sec. $5\frac{1}{2}$ ft. dist.
and raised a mound of earth
2 ft. high, $4\frac{1}{2}$ ft. base around
post.

Land level

Soil 1st & 2^d rateVegetation, Sagebrush &
Bunchgrass.

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

Cor. $14^{\circ} 15' E$.

Desceud gradually

12.00 Enter Luni Valley bro

Subdivision. Tp. 15 N. R. 29 E

Chain

N. W. x S. E.

12.50 Cross Road to S. W. Wingate
to N. S.14.20 Cross Luni River 30 lbs
wide, course S. 20° W. - 40 ft.40.00 Set temporary $\frac{1}{4}$ sec. cor.79.68 Intersect N x S. line, 23 lbs
N. of cor. to secs. 10. 11. 14 x 15.
from which corner, 2 run
N. 89° 50' W. on a true line,
bet. secs. 10 & 15.

Var. 140° E.

39.84 Set a post 3 ft. long, 3 ins.
dia. 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. E x
W. of post 5 $\frac{1}{2}$ ft. dist. and

Subdivision, T₁₅ N. R. 29. E

chain

raised a mound of earth
1 1/2 ft. high, 3 1/2 ft. base around
post.

79.68 The cor. to Secs. 9, 10, 15 & 16
Land level & rolling.

Soil 2^d rate

Vegetation, Bunchgrass &
Sagebrush.

North bet. Secs. 9 & 10.

Var. 14° 15' E.

Ascend gradually

3000 Leave Juni Valley. bro.

N. W. and S. E. and enter

Timber bro E & W.

4000 Set a post 3 ft. long, 3 in. dia
with marked stone, 12 in.

Subdivision Sp 15 N. R. 29 E

chains

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

54.00

Foot of Mesa, brs Ex W. and
 ascend top of same brs. Ex W.
 +100 ft. and descend gradually.

80.00

Set a post 4 ft. long, 4 ins. sq.
 with marked stone, 12 ins. in
 the ground, for cor. to Seco.

3. 4. 9 x 10 marked

N. 15 N. S. 3 on N. E.

R 29 E. S. 10 on S. E.

S. 9. on S. W. and

S. 4 on N. W. faces, with
 5 notches on S. and 3 notches

Subdivision Sp 15. N. R. 29. E

chains

on E. 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 around
 post.

Land rolling.

Soil 2^d rate

Vegetation, Bunchgrass x
 Sagebrush.

Timber, Cedar.

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

Var. 14° 10' E.

Ascend

24.00 Top of Mesa br N. 20° E. x
 S. 20° W. + 200 ft. and descend

Subdivision Tp. 15 N. R. 29 E

- | | |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| chains | |
| 35.00 | Leave timber, bro. N & S. |
| 40.00 | Enter Luni Valley, bro N. W.
& S. E. and set temporary $\frac{1}{4}$
Sec. cor. |
| 40.60 | Cross Road to Pt. Wingate
bro N 20° E & S. 20° W. |
| 49.85 | Cross Luni River, 30 lks wide
runs South. |
| 79.89 | Intersect N & S. line 14 lks
N. of cor. to secs. 2, 3, 10 & 11
from which corner, I run
N. $89^{\circ} 54'$ W. on a true line
bet. secs. 3 & 10.
Var 14° E. |
| 39.95 | Set a post 3 ft long, 3 ins.
dia. with marked stone,
12 ins. in the ground, for
$\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ S. on |

S. 15 N. R. 29 E. continued.

Chain

N. face, dug pits $18 \times 18 \times 12$ ins.
E & W. of post $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
around post.

79.89 The corner to Secs. 3, 4, 9 & 10
Land rolling and level
Soil 1st and 2^d rate
Timber of cedar
Vegetation, Bunchgrass &
Sagebrush.

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

Var. $14^{\circ} 10' E.$

Ascend gradually through
timber.

Sp 15 N. R. 29 E. Continued

chains

20.90 Cross Road, N 80° E, and
S. 80° W.

38.00 Top. of Mesa, to N. E. & S. W.
+ 90 ft. and descend

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

89.46 Intersect N. B. of Sp 15 lbs
West of cor. to secs. 3, 4, 33 & 34
which is a Post. 4 ins.

sq. set firmly in mound
of earth, marked

N. 16 N. S. 34 on N. E.

R 29 E. S. 3 on S. E.

N. 15 N. S. 4 on S. W. and
S. 33 on N. W. faces, with
3 notches on E & W. edges.

with pits $18 \times 18 \times 12$ ins.
in each sec. $5 \frac{1}{2}$ ft. dist.

Thence I run.

¹⁴
Sp. 15 N. R. 29 E. Continued

chain

S⁰6' W. on a true line bet.
Secs. 3 + 4

Var. 14° 20' E'

40.46 Set a Basaltstone 14 + 12 + 10 ins.
9 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.

80.46 The cor. to Secs. 3, 4, 9 + 10.
Land Rolling.
Soil 3^d rate
Timber of cedar.
Vegetation of Bunchgrass &
Sagebrush.

Aug. 2. 1882.

Subdivision of 15 N. R. 29 E.

chains

From the Cor. to Secs. 45.
32 x 33. on S. By of Sp.
which is a Post. 4 ins. sq.
set firmly in mound of
earth, marked

N. 15 N. S. 33. on N. E.

R. 29 E. S. 4 on S. E.

N. 14 N. S. 5 on S. W. and

S. 32 on N. W. faces, with
4 notches on E x 2 notches
on W. edges, with pits 18 x
18 x 12 ins. in each sec.

5 1/2 ft. dist. and
a mound of earth 1 ft. high
4 1/2 ft. base around post.

Thence I run

North bet. Sec. 32 x 33.

Var. 14° 05' E.

St. 15 N. R. 29E Continued

Chains

- 10.00 Ascend through timber.
Bank of Mesa to Ex W. + 70ft
and leaving timber to Ex W.
descend abruptly.
- 23.00 Enter corral, to Ex W.
- 24.60 Leave corral, to Ex W.
- 27.00 A house to East 214 lbs. diet.
- 40.00 Set a post 3ft long, 3 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+18+12 ins. N+S.
of post 5/8ft. dist. and
raised a mound of earth
1 1/2ft. high, 3 1/2ft. base
around post.
- 80.00 Set a post 4ft. long, 4 ins
sq. with marked stone 12

Sp 15 N. R. 29 E. Continued

chains

ins. in the ground, for cor.
to Secs. 28, 29, 32 + 33. marked
S. 15 N. S. 28. on N. E.
R. 29 E. S. 33 on S. E.
S. 32 on S. W. and
S. 29 on N. W. faces, with
4 notches on E + 1 notch
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, 4 1/2 ft. base
around post.

Sand rolling

Soil 2^d rate

Vegetation, Ruzichgrasses,
Sagebrush

Sp 15 N. R. 29 E. Continued

Chain

Fast. on a random line,
bet. Secs. 28 + 33.

Var. $14^{\circ} 05' E'$

Descend gradually

39.00 Enter corner, cor N + S.

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

55.80 Cross Wash 15 lks wide, corner
N. W. - 20 ft. and ascend

80.17 Intersect N + S. line 11 lks
S. of cor. to sec. 27. 28. 33 + 34
from which corner, run
 $S 89^{\circ} 55' W.$ on a true line,
bet. Secs. 28 + 33

Var. $14^{\circ} 10' E'$

40.09 Set a post 3 ft. long, 3 in. dia.
with marked stone, 12 in. in
the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on N. face

Apr 15 N. R. 29 E. Continued

chains

dug pits, 18x18x12 ins. Q. W.
of post 3 1/2 ft dist; and raised
a mound of earth 1 1/2 ft. high,
3 1/2 ft. base around post.

84.17 The Cor. to Secs. 28-29, 32x33.

Sand rolling.

Soil 2^d rate

Timber of bed or

Vegetation, Bunchgrass &
Sagebrush.

North lat. Secs. 28+29.

Cor. 14° 05' E.

ascend

16.00 Top of Ridge to NE + S.W.
+ 10 ft and descend

40.00 Set a Sandstone 18x17x12 ins

Sp 15 N. R. 29 E. Continued

chains

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 alongside.

43.98 Cross Road, to S. t. Wingate
br N. E. & S. W.

62.40 Enter Timber, br N. W. & S. E.

80.00 Set a Boulder stone 14 + 11 + 5 ins. 9 ins. in the ground, for Cor. to Secs. 20. 21. 28 + 29. marked with 4 notches on E. and 2 notches on S. edges. dug pits 18 + 18 + 12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high

Apr. 15 N. R. 29 E. Continued

chain

4 1/2 ft. base alongside
sand mountains.

Soil 2^d rate

Timber of cedar

Vegetation, Bunchgrass,
Sagebrush.

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

Var. $14^{\circ} 10' E.$

Over level land

23.00 Cross Road to Ft. Wingate
br N. $10^{\circ} E.$ & S. $10^{\circ} W.$

35.50 Enter timber br N & S. and ascend

40.00 Set temporary 1/4 Sec. Cor.

47.00 Top of Ridge, br N & S. + 20 ft.
and descend.

Sp 15 N. R. 29 E. Continued

chains

80.33 Intersect U + S. line, 24 lbs.

U. of cor. to Secs. 21, 22, 27 + 28
from which corner Iron
N. $89^{\circ} 50' W.$ on a true line,
bet. secs. 21 + 28.

Var. $14^{\circ} 10' E.$

40.17 Set a post 3 ft. long 3 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 + 18 x 12 ins. E + W. of
post 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high,
3 $\frac{1}{2}$ ft. low around post.
from which

A Cedar 20 ins. dia. br. N. $23^{\circ} E.$ 18 lbs dist
marked $\frac{1}{4}$ S. B. J.

A. Cedar. 18 ins. dia. br. S. $58^{\circ} W.$ 65 lbs dist
marked $\frac{1}{4}$ S. B. J.

Sp 15. N. R. 29 E. Continued

chains
80.33 The cor. to Secs. 20, 21, 28 & 29.
Land mountainous & level
Soil 2^d rate
Timber of cedar.
Vegetation Burdock grass &
Sagebrush.

North bet. Secs. 20 & 21
Twp. 14° 10' E.

Disced.

40.00 Set a post 3ft long, diam. 2q.
with marked stone, 12 in in
the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on W face, dug
pits 18 x 18 x 12 in. N & S. of
post. 5' ap. dist. and raised
a mound of earth $\frac{1}{2}$ ft.

Sp 15 N. R. 29 E. Continued

chains

high, $2\frac{1}{2}$ ft. base alongside
 60.35^{60.35} Wash 20 lbs wide corner $S. 86^{\circ} W.$
 - 10 ft. and ascend.

80.00 Set a sand stone $15 \times 10 \times 10$ ins.
 10 ins. in the ground, for cor.
 to Secs. 16, 17, 20 & 21 marked
 with 4 notches on E & 3 notches
 on S. edges. dug pits $18 \times 18 \times 12$
 ins. in each sec. $5\frac{1}{2}$ ft. dist.
 and raised a mound of
 earth 2 ft. high $4\frac{1}{2}$ ft. base
 alongside.

Sand rolling

Soil 2d rate

Vegetation of Bunch grass &
 Sagebrush.

Sp 15 N. R. 29 E. Continued

chain

Post on a random line,
bet. Secs. 16 & 21.

Var. $14^{\circ} 20' E!$

Descend gradually

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

51.60 Cross Road to Ft. Wingate
to N. $26^{\circ} E!$ & S. $26^{\circ} W.$

79.95 Intersect N & S. line, 13
lks N. of cor. to Secs. 15, 16, 21 & 22
from which comes Iron
to $89^{\circ} 54' W.$ on a true line
bet. Secs. 16 & 21.

Var. $14^{\circ} 10' E.$

39.98 Set a post 2 ft. long 3 ins. dia.,
with marked stone 12 ins. in
the ground, for $\frac{1}{4}$ Sec. cor.
Marked $\frac{1}{4}$ S on face, dug
pits 18 & 18 & 12 ins. E & W.

Sp 15 N. R. 29 E. Continued

chain

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.

79.95 The corner to Secs. 16, 17, 20 & 21

land rolling.

Soil 2^d. rate

Vegetation, Bunch grass &
Sagebrush.

North bet. Secs. 16 & 17

Var. 14° 20' E.

Ascend

40.00 Set a post 2 ft. long, 2 in. dia.
with marked stone 12 in. in
the ground, for 1/4 sec. cor.
marked 1/4 S. on W. face, dug
pits 18 x 8 x 12 in. N & S. of

Sp 15 N. R. 29 E. Continued

chains

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.

43.50 Cross Juni River 30 lbs wide
burr $S. 30^{\circ} W.$ - 50 ft.

68.10 Cut or timber loc. N. Ex S. W.

8000 Set a post 4 ft. long, 4 in. sq.
with marked stone 12 in. in
the ground, for loc. W Secs.

S. 9. 16 & 17. marked

S. 15 N. S. 9. on N. E.

R. 29 E. S. 16 on S. E.

S. 17 on S. W. and

S. 8. on N. W. faces with
4 notches on E & S. edges,
dug pits $18 \times 18 \times 12$ in. in each
sec. $5\frac{1}{2}$ ft. dist. and
raised a mound of earth

Sp 15 N. R. 29 E. Continued

chains

2 ft. high, 4 1/2 ft. base around
post.

Land rolling

Soil 2^d rate

Timber of cedar

Vegetation, Bunchgrass
Sagebrush.East on a random line,
bet. Secs. 9 & 16.Nor. $14^{\circ} 10' E.$

Descend

9.00 Leave timber, br. N. E. & S. W.

40.00 Set temporary 1/4 sec. cor.

80.22 Intersect N & S line, 22 lps

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

Sp 15 N. R. 29 E. Continued

chain

N. $89^{\circ}51'$ W. on a true line
bet. secs. 9 & 16.Cor. $14^{\circ}15'$ E.

40.11

Set a post 3 ft. long. 2 in. dia.
with marked stone, 12 in. 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. E. W.
of post 5 ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around
post.

80.22

The corner to Secs. 8. 9. 16 & 17
Land rolling.
Soil 2d etc
Vegetation, Bunchgrass
Sagebrush

^{no} Sp 15 N. R. 29 E. Continued

Chains

North bet. Secs. 8 & 9.

Var. $140^{\circ} 10' E.$

Ascend

40.00 Set a post 3 ft. long, 3 ins. dia. with marked stone, 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 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.

63.70 cross Road to N. Et S. $40^{\circ} W.$

80.00 Set a post 4 ft. long, 4 ins. sq. with marked stone, 12 ins. in the ground, for cor. to Secs. 4, 5, 8 & 9. marked -
 $S. 15^{\circ} N. S 4.$ on N. E.

Apr 15. N. R 29 C. Continued

Chains

R 29 E. S. 9 on S. E.

S. 8 on S. W. and

S. 5 on N. W. faces, with
4 notches on E & 5 notches
on 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
around post.

Land rolling

Soil 2^d rate

Vegetation, Bunch grasses,
Sagebrush.

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

Var. 14° 10' E

Apr 15 N. R. 29 E. Continued

chains

Rescend gradually

39.00 Cross Road br. N. Ex S. W.

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

79.89 Intersect N & S. line 40th

N. of cor. to sec. 3, 4, 9 & 10.

from which corner, run
N. $89^{\circ} 43' W.$ on a true line
bet. sec. 4 & 9.

Var. $14^{\circ} 10' E!$

39.95 Set a post 3 ft. long 3 ins.

dia. 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 & 18 & 12

ins. Ex 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.

Sp 15 N. R. 29 E. Continued

chains
79.89

The Cor. to Secs. 4, 5, 8 & 9.
Land rolling
Soil 2^d rate
Vegetation, Bunchgrass
Sagebrush.

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

Var. 14° 10' E.

Ascend through timber.

4000 Set temporary 1/4 sec. cor.

80.19 Intersect N. B of Sp. 8 lks
East of cor. to Secs. 4, 5, 32 & 33,
which is a Post, 4 ins. sq.
set firmly in mound of
earth, marked —

T. 16 N. S. 33 on N. E.

Sp 15 N. R 29 E. Continued

chains

R. 29 E. S. 4 on S. E.

T. 15 N. S. 5 on S. W. and

S. 32 on N. W. faces, with
4 notches on E & 2 notches
on W. edges, and pits 18
18 x 12 ins. in each sec.

5/8 ft. dist.

Thence 2 mm

S. 0.3' E on a true line, bet
secs. 4 & 5.

Var. 14° 15' E.

40.19 Set a post 2 ft. long, 2 ins. dia.
with marked stone, pins.

in the ground, for 1/4 sec cor.

marked 1/4 S. on W. face
dug pits 18 x 18 x 12 ins. bet.

of cor. 5/8 ft. dist. and

raised a mound of earth

Sp. 15 N. R. 29 E. Continued.

chain

1 1/2 ft. high, 3 1/2 ft. base around post.

80. 19 The cor. to Secs. 4, 5, 8 & 9.

Land rolling,

Soil 2d rate.

Timber of cedar.

Vegetation of Ranchgrass

Sagebrush

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

Aug. 3. 1882.

Sp. 15 N. R. 29 E. Continued

chain

From the Corner to Secs.
5.6. 31 & 32. on S. Bound-
ary of township, which
is a Post. 4 ins. sq. set
firmly in mound of earth
marked -

T. 15 N. S. 32 on N. E.

R. 29 E. S. 5 on S. E.

T. 14 N. S. 6 on S. W. and

S. 31 on N. W. faces, with
5 notches on E & 1 notch
on W. edges, with pits 18x18x
2 ins. in each sec. 5 feet
dist. Thence 2 mi.

North bet. Secs. 31 & 32

Var. 14° 15' E.

Secs end gradually

4000 Set a Basalt stone 12x9x7

Sp. 15 N. R. 29 E. Continued

Chain

ins. 8 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on W. face, dug pits 18×18
 $\times 12$ ins. In E. 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 post 4 ft. long, 4 ins.
square, with marked stone
12 ins. in the ground, for
cor. to Secs. 29. 30. 31 & 32.
marked

T. 15 N. S. 29. on N. E.

R. 29 E. S. 32 on S. E.

S. 31 on S. W. and

S. 30 on N. W. faces. with
5 notches on E. and 1 notch
on S. edges. dug pits $18 \times 18 \times 12$

Sp. 15 N. R. 29 E. Continued

Chains

ins. in each Sec. $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth 2ft high, $4\frac{1}{2}$ ft.
base around post.
& and rolling.
Soil 2d rate
Vegetation, Bunch grass
& Sagebrush.

Post. on a random line
bet. Secs. 29 & 32.

Var. $14^{\circ} 15' E.$

Miscellaneous

40.00 Set temporary $\frac{1}{4}$ sec cor.
in low Sag & ascend

41.63 Cross Road to Pt. Wingate
br. N. $30^{\circ} E.$ and S. $35^{\circ} W.$

Apr 15 N. R. 29 E continued

chains

63.00 Top of Ridge, to N. Et S. W.
+ 20 ft. and descend79.73 Intersect N & S. line 13 lks.
S. of cor. to Secs. 28, 29, 32 & 33
from which corner, from
S. $89^{\circ}54'$ W. on a true line,
bet. Secs. 29 & 32.Var. $14^{\circ}05'$ E.39.87 Set a Lava stone $13 \times 10 \times 8$ ins.
9 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. Et 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.79.73 The corner to Secs. 29, 30, 31 & 32
Sand weathered
Soil 2d rate

Apr. 15. N. R 29 E. Continued

chain

Vegetation, Puncturegrass,
Sagebrush.

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

Var. $14^{\circ} 15' E$.

Ascend

- 40.00 Set temporary $1/4$ sec. Cor.
61.50 Top of ridge br N. $20^{\circ} W$.
✓ S $20^{\circ} E$. + 50 ft. and descend
86.29 Intersect W. By of Sp. 22
lbs N. of cor. b sec. 25, 30,
31 & 36. which is a
Sandstone set firmly in the
ground, marked with
5 notches on N. &
1 notch on S. edges

Sp 15 N. R. 29 E. Continued

chains

_____ with pits 18 x 18 x 12
ins. in each sec. 5 1/2 ft. dist.

Thence I run
N. 89° 51' E. on a true line
bet. Secs. 30 & 31.

Var. 14° 05' E.

46.29 Set a Lava stone 10 x 9 x 8 ins.

4 ins. in the ground for 1/4
sec. cor. marked. 1/2 on N.
face, dug pits 18 x 18 x 12 ins.

Ex N. of stone 5 1/2 ft. dist.
and raised a mound of
earth 1 1/2 ft. high 3 1/2 ft.
base alongside.

86.29 The cor. to Secs 29. 30. 31 & 32

Sp 15 N. R. 29 E. Continued

chain

Land mountainous
 Soil 2^d. rate Bunchgrass
 Vegetation, ~~Vegetation~~,
 & Sagebrush.

North, bet. Secs. 29 & 30.
 Var. 14° 15' E.

Descend gradually

4000 Set a Basalt stone 13x13x8
 ins. 9 ins. in the ground
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
 on W. face, dug pits 18x18
 x 12 ins. N & S. of stone $3\frac{1}{2}$
 ft. dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft.
 base alongside.

8000 Set a Basalt stone 14x12x11

Sp 15 N. R. 29 E. Continued

chains

ins. 9 ins. in the ground for
 Cor. to Secs. 19, 20, 29 & 30.
 marked with 2 notches on
 S. and 5 notches on E. 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.

hand rolling
 Soil 2d rate
 Vegetation, Rough grass &
 Sagebrush.

Cast. on a random line, bet.
 Secs. 20 & 29.

Var. 14° 15' E.
 Poor level land

Sp. 15 N. R. 29 E. Continued

chains

- 40.00 Set temporary $\frac{1}{4}$ Sec. cor.
- 79.65 Intersect N & S line, 28 lbs
N. of cor. to Secs. 20, 21, 28 & 29,
from which corner, run
N. $89^{\circ} 48'$ W. on a true line
bet. Secs. 20 & 29.
Var. $14^{\circ} 10'$ E.
- 39.83 Set a sandstone $12 \times 10 \times 10$ ins.
8 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N.
face, dug pits $18 \times 18 \times 10$ ins.
E & W. of stone $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft.
base alongside.
- 79.65 The cor. to Secs. 19, 20, 29 & 30
Sand level
Soil 1st rate

Sp 15 N. R 29 E. Continued

chains

Vegetation Bunchgrass
Sagebrush.

Next, on a random line
bet. Secs. 19 & 30.

Var. 14° 15' E!

Ascend

19.20 Cross Luni River 50 lbs
wide runs S.

30.00 Top of ridge br N x S + 20 ft.
and descend.

40.00 Set temporary 1/4 sec. cor.

86.37 Intersect W. Bdy. of Sp.

45 lbs N. of cor. to Sec.

19.24. 25 x 30. which is a

Post. 4 ins. sq. set firmly
in mound of earth, marked

¹⁰
Sp. 15 N. R. 29 E. Continued

Chairs

S. 15 N. S. 19. on N. E.
R. 29 E. S. 30 on S. E.
R. 28 E. S. 25 on S. W. and
S. 24 on N. W. faces, with
4 notches on N & 2 notches
on S. edges. with pits 18x18x12
ins. in each sec. 5 1/2 ft. dist.

Thence from.

N. 89° 41' E! on a true line,
bet. Secs. 19 & 30.

Var. 14° 15' E!

46.37 Set a post 3 ft. long, 3 ins. sq.
with marked stone 12 ins. in
the ground, for 1/4 sec. bar.
marked 1/4 S. on N. face
dug pits 18x18x12 E & W. of
post. 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft.

Sp 15 N. R. 29 E. continued

chains

high, $3\frac{1}{2}$ ft. base around
port.

86.37 The cor. to Secs. 19, 20, 29 & 30
Sand mountains.
Soil 2^d rate
Vegetation, Bunchgrass,
Sagebrush

North bet. Secs. 19 & 20

Var. $14^{\circ}15'8''$

over level land

4000 Set a Sandstone $14 \times 13 \times 7$ ins.
9 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 around

Sp 15 N. R. 29 E. Continued

chains

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

- 41.31 Cross Luni River, 30 lks wide, runs S. 80° W.
- 48.30 Cross same, 30 lks wide runs S. E.
- 50.20 Cross same, 30 lks wide, runs S. 60° W. and ascend.
- 80.00 Set a post 4 ft. long, 4 ins. sq. with marked stone, 12 ins. in the ground, for cor. to Secs. 17, 18, 19 & 20. marked
 S. 15 N. S. 17 on N. E.
 R. 29 E. S. 20 on S. E.
 S. 19 on S. W. and
 S. 18 on N. W. faces. with 5 notches on E. and 3 notches on S. edges. dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist

Sp. 15 N. R. 29 E. Continued

chains

and raised a mound of
earth 2 ft. high 4 1/2 ft. base
around post.

Land rolling & level.

Soil 2d. soil

Vegetation, Burdock grass &
Sagebrush.

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

Var. $14^{\circ} 15' E.$

Descent gradually

10.67 Cross ^{of} Luni River, 30 lbs
wide runs S. $30^{\circ} W.$

40.00 Set temporary 1/4 sec. cor.

79.86 Intersect U. & S. line, 15 lbs.
N. of cor. to Secs 16, 17, 20 & 21

Sp 15 N. R. 29 E. Continued

chain

from which corner, Iron
N. $89^{\circ}54'$ W. on a true line
bet. Secs. 17 & 20.

Var. $14^{\circ}20'$ E.

39.93 Set a Sandstone $12 \times 10 \times 7$ ins.
8 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 $5 \frac{1}{2}$ ft. dist.
and raised a mound of earth,
 $1 \frac{1}{2}$ ft. high, $3 \frac{1}{2}$ ft. base alongside.

79.86 The corner to Secs. 17, 18, 19 & 20
Land rolling and level

Soil 2^d rate

Vegetation, Bunchgrass &
Sagebrush.

Sp 15 N. R. 29 E. Continued

chain

West on a random line,
bet Secs. 18 & 19.Var. $14^{\circ}15' E$

Ascend

40.00 Set temporary $\frac{1}{4}$ sec. bor.82.00 Top of Ridge br. N. $40^{\circ} E$ &
S. $40^{\circ} W$ + 50ft and descend.86.68 Intersect N. B. of Sp. 26 lbs
N. of cor. to Secs. 18, 19 & 20which is a Basalt stone
set firmly in the ground,
marked with 3 notches on
N & S edges, with pits
 $18 \times 18 \times 12$ ins. in each sec,
5/8 ft. dist. Thence I run
N. $89^{\circ} 49' E$. on a true line,
bet. Secs. 18 & 19. with same cor.

46.68 Set a post. 3 ft. long, 3 ins. dia

Sp 15 N. R. 29 E. Continued

chains.

with marked stony pins.
in the ground, for $\frac{1}{4}$ Sec.
cor. marked $\frac{1}{4}$ S. on N. face,
dug pits 18+18+ pins. E. W.
of post $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high, $9\frac{1}{2}$ ft. base
around post.

86.68 The Cor. to Secs. 17, 18, 19+20
Sand mountains.

Soil 2^d rate

Vegetation, bunch grass
Sagebrush.

North bet. Secs. 17+18.

Var. $14^{\circ}15' E.$

Across Yucui Valley

Sp. 15 N. R 29 E. Continued

chains

27.00

Leave Valley brs S. 60° W. and
N. 60° E.

29.25

Enter timber brs E x W.

40.00

Set a post 3 ft. long, 3 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.

41.00

Leave timber, brs E x W.

80.00

Set a post 4 ft. long, 4 ins.
sq. with marked stone,
12 ins. in the ground, for
cor. to Secs. 7, 8, 17 & 18. marked
S. 15 N. S. 8. on N. E.

Sp 15 N. R. 29 E. Continued

chains

R. 29 E. S. 17 on S. E.
 S. 18 on S. W. and
 S. 7 on N. W. faces, 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
 around post.

Land rolling and level
 Soil 2^d rate

Vegetation Bunchgrass
 Sagebrush

Timber Cedar.

Aug. 4. 1882.

Sp. 15 N. R. 29 E. Continued

chains

East on a random line,
bet. Secs. 8 & 17.Var. $14^{\circ} 20' E!$

Ascend gradually.

19.00 Enter winter, brs. N. & S.W.

22.00 Top of ridge, brs N & S. + Capt.
and descend.40.00 Set temporary $\frac{1}{4}$ sec. cor.79.79 Intersect N & S. line 23 lbs
S. of cor. to Secs. 8, 9, 16 & 17
from which corner, run
 $S 89^{\circ} 50' W.$ on a true line,
bet. secs. 8 & 17.Var. $14^{\circ} 10' E!$ 39.90 Set a post 3ft. long, 3ins. dia.,
with marked stone, 12ins.
in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4} S.$ on N.

Apr 15 N. R 29 E. Continued

chains

face, dug pits $18 \times 18 \times 12$ ins.
 E' x 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.

79.79 The cor. to Secs 78. 17×18 .
 hand rolling

Soil 2^d rate.

Number of cedar
 Vegetation, Bunchgrass,
 Sagebrush.

West on a random line,
 bet. Secs. 7×18 .

Var. $14^{\circ} 10' C.$

Cloud gradually

6.10 Cross Road, to N. $38^{\circ} E.$

Apr 15 N. R. 29 E. Continued

chains

and S. 38° W.

16.00 Cross low Sag and ascend

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

86.96 Intersect W. B. of Sp. 37 lks.

N. of cor. to Secs. 7, 12, 13 & 18

which is a Post. 4 ins. sq.
set firmly in mound of
earth, marked—

D. 15 N. S. 7 on N. E.

R. 29 E. S. 18 on S. E.

R. 28 E. S. 13 on S. W. and

S. 12 on N. W. faces. with
2 notches on N. and 4 notches
on S. edges. with pits $18 \times 18 \times 12$
ins. in each sec. $5\frac{1}{2}$ ft. dist.

Shence O m m.

N. $89^{\circ} 44'$ E. on a true
line, bet. Secs. 7 & 18

Sp 15 N. R. 29 E. Continued

chains

Var. 14° E.

46.96 Set a Sandstone $10 \times 10 \times 8$ ins.
7 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, $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft.
base, alongside.

86.96 The corner to Secs. 7, 8, 17 & 18.
Sand rolling
Soil 2^d rate
Vegetation Bunchgrass &
Sagebrush.

North bet. Secs. 7 & 8.

Var. $14^{\circ} 10' E.$

Sp. 15 N. R. 29 E. Continued

chains

- Ascend gradually
- 6.50 Cross Road, br. N. Ex S. W.
- 40.00 Set a post 3 ft long, 3 ins. dia. 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.
- 43.00 Enter timber, br Ex W.
- 80.00 Set a post 4 ft. long, 4 ins. sq. with marked stone 12 ins. in the ground, for cor. to Secs. 5, 6, 7 & 8. marked N. 15 N. S. 5 on W. E. R. 29 E. S. 8 on S. E.

Apr 15 N. R. 29. E Continued

chains

S. 7 on S. W. and
 S. 6 on N. W. faces, with
 5 notches on E & S. edges,
 dug pits 18x18x12 ins.
 in each sec. 5/8 ft. dist.
 and raised a mound of
 earth 2 1/2 ft high, 4 1/2 ft. base
 around post.

Sand rolling

Soil 2d rate

Timber of cedar

Vegetation bunch grasses
 Sagebrush.

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

Var. 14° 10' E.

Sp. 15 N. R. 29 E. Continued

chains

Ascend,

3.00 Top of spur, br. N & S. + 80 ft.
and descend.40.00 Set temporary $\frac{1}{4}$ sec. cor.80.12 Intersect N & S line 17 lbs
S. of cor. to secs. 4, 5, 8, & 9,from which corner I run
S. $89^{\circ} 53'$ W. on a true line
bet. Secs. 5 & 8. with same oa.40.06 Set a post 3 ft. long, 3 ins. dia.
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. E & W.of post $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
around post.

Sp 15 N. R. 29 E. Continued

chains
80.12 The corner to Secs. 5, 6, 7 & 8.
Land unmountainous.
Soil 2^d rate
Vegetation, Bunchgrass &
Sagebrush.

West on a random line
bet. Secs. 6 & 7.

Var. $14^{\circ} 10' E!$

Also end

12.20 Cross Road bet. N. & S. W.

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

87.16 Intersect W. B. of Sp. 28
lks S. of cor. to Secs. 1, 6, 7 &

12. ~~Line~~ which is a
Post. 4 in. sq. set firmly
in mound of earth.

Sp 15 - N. R. 29 E. Continued

chains

marked,

S. 15 N. S. 6 on N. E.

R. 29. E. S. 7 on S. E.

R. 28 E. S. 12 on S. W. and

S. 1. on N. W. faces, with

1 notch on N. & 5 notches

on S. edges, with pits 18x18x12

ins. in each sec. 5/8 ft. dist.

thence D run.

S. $89^{\circ} 48'$ E. on a true line,

bet. sec. 6 & 7.

Var. $14^{\circ} 05'$ E!

47.16 Set a post 3 ft. long 3 ins. dia.

with marked stone 12 ins.

in the ground, for $1/4$ Sec. cor.marked $1/4$ S. on N. face,

dug pits 18x18x12 ins.

E & W. of post 5/8 ft. dist.

Apr 15 N. R 29 C. Continued

chains

and raised a mound of earth $1\frac{1}{2}$ ft. high, $9\frac{1}{2}$ ft. base around post.

87.16 The Cor. to Secs. 5, 6, 7 & 8. d and rolling.

Soil 2^d rate

Vegetation, Bunchgrass & Sagebrush.

Timber cedar.

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

Var. $14^{\circ} 10' E$

Ascend through timber

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

80.41 Intersect N. B. of Sp. 17
lks N. of cor. to Secs.

Sp 15 N. R. 29 E. Continued

chains

5.6. 31 & 32, which is a
 Post. 4 ins. sq. set firmly
 in earth mound, marked
 N. 16 N. S. 32 on N. E.
 R. 29 E. S. 5 on S. E.
 S. 15 N. S. 6 on S. W. end,
 S. 31 on N. W. faces, with
 5 notches on E & 1 notch
 on W. edges, with pits
 18 x 18 x 12 ins. in each sec.
 5 ft. dist.

Thence I run

S. 71° W. on a true line
 bet. Secs. 5 & 6.

Var. 14° 10' E!

40.41 Set a post 3 ft. long, 2 ins. dia.
 with marked stone 12 ins.
 in the ground, for 1/4 sec.

Sp. 15 N R. 29 E Continued

chains

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

80.41 The Cor. to Secs. 5, 6, 7 & 8.
 Sand rolling.

Soil 2^d rate

Vegetation, Bunchgrass
 Sagebrush.

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

Aug. 5, 1882.

Sp 15. N R E. 29 Continued

General Description.

A small proportion of the land in this Township is mountainous, its general character, however, being rolling and level.

It is well watered by Yumi River, which flows in a South-westerly direction through the township.

The soil along Yumi valley is 1st rate and elsewhere 2^d rate. There is considerable cedar in the Sp. and vegetation of Sagebush and Bunchgrass.

A considerable portion

Sp 15 N. R. 29 E. Continued

is valuable for grazing purposes.

The road to Ft Wingate passes through the Sp.

There is one settler in Sec 33. by the name of Roman Ballejo, who has a house corral and about 40 acres under cultivation. Improvements valued at not less than \$500.

U. S. Surveyor General's Office,
Tucson, Arizona, Dec. 20, 1882

The foregoing Field Notes of the survey of

Subdivision Lines
of Township 15 North,
Range 29 East

of the Gila and Salt River Base and Meridian, Arizona,
executed by Milton Santee,
D. S., under his contract of the 29th day of
April, 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. Robinson
Surveyor General.